# American Civil War Battle Data Documentation

Release 5.0.1

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# Contents

1	Resources	3
2	Sources	7
3	CDB90 to CWSAC battle links	9
4	Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD	11
5	Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD	21
6	Miscellaneous battle data	23
7	Bodart (1908) battles of the American Civil War	27
8	Bodart (1908) battle data: commanders	35
9	Bodart (1908) battle data: force strengths and casualties	39
10	Bodart (1908) battle data: generals killed	47
11	Correspondence between Bodart (1908) battles and CWSAC battle IDs	51
12	Correspondence between Bodart (1908) battles and dbpedia.org resources	53
13	War Trend from Burdekin and Langdana (1993)	55
14	Batte data from civilwar.org	57
15	Commanders in civilwar.org battle data	61
16	Strengths and casualties for forces in the civilwar.org battle data.	63
17	Clodfelter (2008) battle data: battles	67
18	Clodfelter (2008) battle data: commanders	71
19	Clodfelter (2008) battle data: forces	75

20	Correspondence between Clodfelter and CWSAC battles.	87
21	clodfelter_to_dbpedia	89
22	CWSAC Report Updates battle data	91
23	CWSAC Report Updates battle data: battles	93
24	CWSAC Report Updates: commanders	99
25	CWSAC Report Updates battle data: battle dates	103
26	CWSAC Report Updates battle data: force strengths	105
27	CWSAC Report Updates battle data: locations	113
28	CWSAC Report (1993) battle data	115
29	CWSAC Report battle data: battles	117
30	CWSAC Report battle data: campaigns	125
31	CWSAC Report (1993) battle data: commanders	129
32	CWSAC Report (1993) battle data: forces	133
33	CWSAC Report (1993) preservation priority categories	139
34	CWSAC Report Updates battle data: military significance categories	141
35	CWSAC Report (1993) theaters	143
36	CWSS battle data: units engaged	145
37	CWSS battle data: battles	149
38	CWSS campaign list	153
39	CWSS unit category abbreviations	155
40	CWSS battle data: principal commanders	157
41	CWSS battle data: forces	159
42	CWSS people	161
43	CWSS people data: kewyords	165
44	CWSS units (regiments)	167
45	CWSS unit state names	171
46	CWSS theaters	173
47	CWSS Unit Titles	175
48	Dyer (1908) list of battles	177
49	Chronology of Some Important Civil War Dates from Eicher and Eicher (2001)	181

50	Eicher table of unit sizes	183
51	Fox (1898) battle casualties (revised)	185
52	Correspondence fox_forces and CWSAC battles	191
53	Fox (1898) battle outcomes	193
54	Weekly casualty data from Greer "Counting Casualties Week-by-Week"	197
55	Civil War Battlefield Guide data: battles	201
56	Civil War Battlefield Guide data: forces	205
57	Mapping between Kennedy (1997) data on forces and CWSAC battles	209
58	Size of the Union and Confederate Armies (Livermore, 1900)	211
59	Livermore (1900) battle data: battle list	213
60	Livermore (1900) battle data: commanders	219
61	Livermore (1900) battle data: force strengths and casualties	223
62	Correspondence between Livermore (1900) battles and CWSAC battles	227
63	List of naval battles	229
64	National Park Service combined battle data: Battle in each battle	231
65	Comparison of battles in CWSAC AAD, CWSAC Report, CWSAC Updates, and CWSS	235
66	NPS combined data battle data: battles	241
67	NPSA Battles to Dbpedia/Wikipedia Correspondence	253
68	NPS combined data battle data: campaigns	255
69	NPS combined data battle data: commanders	259
70	NPS combined data battle data: forces	263
71	NPS combined data: people	269
72	NPS combined data battle data: theaters	273
73	NPS ethnic categories of units.	275
74	nps_unit_categories_function	277
75	NPS combined categories of special functions of unit.	279
76	NPS combined data categories of types of data.	281
77	NPS Units	283
78	nytimes_civil_war_chronology	287
79	Phisterer (1883) battle data: battle list	289

80	Phisterer (1883) chronological list of engagements	293
81	Phisterer (1883) number of engagements by year	297
82	Phisterer (1883) battle data: force casualties	299
83	Concordance between battles in Phisterer data and CWSAC battles.	301
84	Reiter (2009) Turning Points of the American Civil War	303
85	NPS Shenandoah Report battle data	305
86	NPS Shenandoah Report battle data: list of battles	307
87	NPS Shenandoah Report battle data: commanders	311
88	NPS Shenandoah Report battle data: force strengths and casualties	313
89	Union and Confederate ship list	317
90	Ships in battles	319
91	Locations of engagements from Washington Post map, "Battles and casualties of the American Civi War"	321
92	Distributions of personnel in units	325
93	wikipedia_battles	329
94	wikipedia_forces	331
95	Indices and tables	335
Bil	bliography	337

Version 5.0.1 License ODC-BY Author Jeffrey B. Arnold <jeffrey.arnold@gmail.com> (http://jrnold.me) Homepage https://github.com/jrnold/acw\_battle\_data

A compilation of data on the American Civil War. This is mostly a repackaging of data from other secondary and primary sources, although some original data are included.

keywords: American Civil War, battle, war, casualties, commanders

Downloads

- acw\_battle\_data-5.0.1.tar.gz
- acw\_battle\_data-5.0.1.zip

# Resources

Datasets included in this collection:

Resource	Description	
cdb90_to_cwsac.json	CDB90 to CWSAC battle links	
aad_battles.csv	Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with	
aad_events.json	Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with	
battlemisc.csv	Miscellaneous battle data	
bodart1908_battles.csv	Bodart (1908) battles of the American Civil War	
bodart1908_commanders.csv	Bodart (1908) battle data: commanders	
bodart1908_forces.csv	Bodart (1908) battle data: force strengths and casualties	
bodart1908_generals_killed.csv	Bodart (1908) battle data: generals killed	
bodart1908_to_cwsac.json	Correspondence between Bodart (1908) battles and CWSAC battle IDs	
bodart1908_to_dbpedia.json	Correspondence between Bodart (1908) battles and dbpedia.org resources	
burdekin_langdana_war_trend.csv	War Trend from Burdekin and Langdana (1993)	
civilwarorg_battles.csv	Batte data from civilwar.org	
civilwarorg_commanders.csv	Commanders in civilwar.org battle data	
civilwarorg_forces.csv	Strengths and casualties for forces in the civilwar.org battle data.	
clodfelter_battles.csv	Clodfelter (2008) battle data: battles	
clodfelter_commanders.csv	Clodfelter (2008) battle data: commanders	
clodfelter_forces.csv	Clodfelter (2008) battle data: forces	
clodfelter_to_cwsac.json	Correspondence between Clodfelter and CWSAC battles.	
clodfelter_to_dbpedia.json	clodfelter_to_dbpedia	
cws2.json	CWSAC Report Updates battle data	
cws2_battles.csv	CWSAC Report Updates battle data: battles	
cws2_commanders.csv	CWSAC Report Updates: commanders	
cws2_dates.csv	CWSAC Report Updates battle data: battle dates	
cws2_forces.csv	CWSAC Report Updates battle data: force strengths	
cws2_locations.csv	CWSAC Report Updates battle data: locations	
cwsac.json	CWSAC Report (1993) battle data	
cwsac_battles.csv	CWSAC Report battle data: battles	

Table 1.1 – continued from previous page			
Resource	Description		
cwsac_campaigns.csv	CWSAC Report battle data: campaigns		
cwsac_commanders.csv	CWSAC Report (1993) battle data: commanders		
cwsac_forces.csv	CWSAC Report (1993) battle data: forces		
cwsac_preservation.csv	CWSAC Report (1993) preservation priority categories		
cwsac_significance.csv	CWSAC Report Updates battle data: military significance categories		
cwsac_theaters.csv	CWSAC Report (1993) theaters		
cwss_battle_units.csv	CWSS battle data: units engaged		
cwss_battles.csv	CWSS battle data: battles		
cwss_campaigns.csv	CWSS campaign list		
cwss_categories.csv	CWSS unit category abbreviations		
cwss_commanders.csv	CWSS battle data: principal commanders		
cwss_forces.csv	CWSS battle data: forces		
cwss_people.csv	CWSS people		
cwss_people_keywords.csv	CWSS people data: kewyords		
cwss_regiments_units.csv	CWSS units (regiments)		
cwss_state_names.csv	CWSS unit state names		
cwss_theaters.csv	CWSS theaters		
cwss unit tiles.csv	CWSS Unit Titles		
dyer_engagements.csv	Dyer (1908) list of battles		
eicher_chronology.csv	Chronology of Some Important Civil War Dates from Eicher and Eicher (2001)		
eicher_units_table.csv	Eicher table of unit sizes		
fox_forces.csv	Fox (1898) battle casualties (revised)		
fox_forces_to_cwsac.json	Correspondence fox_forces and CWSAC battles		
fox_outcomes.csv	Fox (1898) battle outcomes		
greer2005_weekly_casualties.csv	Weekly casualty data from Greer "Counting Casualties Week-by-Week"		
kennedy1997_battles.csv	Civil War Battlefield Guide data: battles		
kennedy1997_forces.csv	Civil War Battlefield Guide data: forces		
kennedy1997_forces_to_cwsac.json	Mapping between Kennedy (1997) data on forces and CWSAC battles		
livermore_army_sizes.csv	Size of the Union and Confederate Armies (Livermore, 1900)		
livermore_battles.csv	Livermore (1900) battle data: battle list		
livermore_commanders.csv	Livermore (1900) battle data: commanders		
livermore_forces.csv	Livermore (1900) battle data: force strengths and casualties		
livermore_to_cwsac.json	Correspondence between Livermore (1900) battles and CWSAC battles		
navalbattles.csv	List of naval battles		
nps_battle_units.csv	National Park Service combined battle data: Battle in each battle		
nps_battlelist.csv	Comparison of battles in CWSAC AAD, CWSAC Report, CWSAC Updates, and CWSS		
nps_battles.csv	NPS combined data battle data: battles		
nps_battles_to_wiki.csv	NPSA Battles to Dbpedia/Wikipedia Correspondence		
nps_campaigns.csv	NPS combined data battle data: campaigns		
nps_commanders.csv	NPS combined data battle data: companying		
nps_forces.csv	NPS combined data battle data: forces		
nps_people.csv	NPS combined data battle data. Torces		
nps_people.csv nps_theaters.csv	NPS combined data battle data: theaters		
nps_unit_categories_ethnic.csv	NPS ethnic categories of units.		
nps_unit_categories_function.csv nps_unit_categories_function			
nps_unit_categories_special.csv NPS combined categories of special functions of unit.			
nps_unit_categories_type.csv	NPS combined data categories of types of data. NPS Units		
nps_units.csv nytimes_civil_war_chronology.json	nytimes_civil_war_chronology		
nyumes_civii_war_ciironology.json	nyumes_orvn_wat_ontonology		

## Table 1.1 – continued from previous page

Resource	Description
phisterer_battles.csv	Phisterer (1883) battle data: battle list
phisterer_engagements.csv	Phisterer (1883) chronological list of engagements
phisterer_engagements_by_year.csv	Phisterer (1883) number of engagements by year
phisterer_forces.csv	Phisterer (1883) battle data: force casualties
phisterer_to_cwsac.json	Concordance between battles in Phisterer data and CWSAC battles.
reiter2009_turning_points.csv	Reiter (2009) Turning Points of the American Civil War
shenandoah.json	NPS Shenandoah Report battle data
shenandoah_battles.csv	NPS Shenandoah Report battle data: list of battles
shenandoah_commanders.csv	NPS Shenandoah Report battle data: commanders
shenandoah_forces.csv	NPS Shenandoah Report battle data: force strengths and casualties
ships.csv	Union and Confederate ship list
ships_in_battles.csv	Ships in battles
thorpe_engagements.csv	Locations of engagements from Washington Post map, "Battles and casualties of the American
unit_sizes.csv	Distributions of personnel in units
wikipedia_battles.csv	wikipedia_battles
wikipedia_forces.csv	wikipedia_forces

# Table 1.1 – continued from previous page

# Sources

# **Other Data Sources**

There are other data sources on the American Civil War that are not included in this data collection. These include:

- The Nafzier Orders of Battle collection. A collection of 7895 orders of battles from 1600-1945, that includes 812 orders of battle from the American Civil War. These are available from the US Army Combined Arms Research Library.
- American Civil War Research Database. This contains soldier's records, regimental rosters and chronicles, and
  officer profiles. http://www.civilwardata.com/
- Fogel, Robert W., Stanley L. Engerman, Clyne Pope and Larry Wimmer. Union Army Recruits in White Regiments in the United States, 1861-1865 (ICPSR 9425). http://www.icpsr.umich.edu/icpsrweb/NACJD/studies/ 9425
- Robert W. Fogel. Civil War Veterans Series http://www.icpsr.umich.edu/icpsrweb/NACJD/series/00192

# Chapter $\mathbf{3}$

# CDB90 to CWSAC battle links

name cdb90\_to\_cwsac
path cdb90\_to\_cwsac.json
format json
Each of the CDB90 battles maps onto only one CWSAC battle.
Sources: [jrnold], [cdb90], [CWSAC1997]

# Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

name aad\_battles

path aad\_battles.csv

format csv

gBattle-level data of the battles in the original reports of the Civil War Sites Advisory Commision compiled during 1990-1993.

These reports were deposited with the National Archives Access to Archival Databases.

Each observation in the data is a battle. The battles are those identified by the CWSAC as the principal battles of the American Civil War, and later used in the official CWSAC Report and its updates, and the CWSS database.

The original documentation reads:

The Civil War Sites Advisory Commission created this database to support its congressional mandate to identify Civil War battlefields, determine their historic significance, assess short- and long-term threats to their integrity, and propose new ideas about their preservation and interpretation. The Commission intended the recommendations to be used as the basis for legislative proposals in the area of battlefield preservation.

The Civil War Sites Advisory Commission data files contain information relating to battlefields of the American Civil War, 1861-1865. Four data files compose this series: Events, Counties, Campaign, and Theater files. The Events file is the primary data file. Of 10,500 armed conflicts in the military history of the Civil War, the file contains information on 384 conflicts that the Commission identified as the principal battles. Each record identifies the following information: state and county or counties of the historic site, the type of battle or event that occurred there, the theater of operations and the campaign to which the engagement relates, the dates of the battle or event, the current ownership of the site, and the assessment of three subject area experts of the military significance, physical integrity, historic preservation status, and interpretive potential of the site or event, and whether it should be a priority for protection of cultural property. The records of the Counties file identify the county location(s) of each battlefield and are linked to the Events file by a common battlefield reference number. The records of the Campaign file include a code for each of 116 campaigns and provide its name, dates, and a ranking of the military importance of the campaign's battle events. The records of the Campaign file are linked by the campaign code to the

records in the Events file. The Theater file records identify five designated Civil War theaters of operation and are linked to the Events file by a theater code.

The records in this file potentially identify the following information: state and county or counties of the historic site, the type of battle or event that occurred there, the theater of operations and the campaign to which the engagement relates, the dates of the battle or event, the current ownership of the site, and the assessment of three subject area experts of the military significance, physical integrity, historic preservation status, and interpretive potential of the site or event, and whether it should be a priority for protection of cultural property.

Sources: [CWSAC\_AAD]

# Schema

reference_number	string	Reference Number	
event	string	event	
type	string	Туре	
start_date	date	late Start date	
end_date	date	End date	
theater	string	Theater	
campaign	string	campaign	
threats	number	threats	
ownership_federal	boolean	Ownership (Federal)	
ownership_local	boolean	Ownership (local government)	
ownership_private	boolean	Ownership (private)	
ownership_state	boolean	Ownership (state government)	
ownership_unknown	boolean	Ownership (unknown)	
park	boolean	park	
integrity	string	integrity	
military	string	military	
interpretive_political	boolean	Interpretive Potential: effect upon international diplomacy	
interpretive_commander_loss	boolean	Interpretive Potential: Loss of significant commander (Wounding, Death, Relieved of Co	
interpretive_casualties	boolean	Interpretive Potential: Unusually High Casualties	
interpretive_tactics_strategy	boolean	Interpretive Potential: Illustrates Important Lessons in Military Tactics and Strategy	
interpretive_public_mind	boolean	Interpretive Potential: Unusual Importance in the Public Mind and Imagination	
interpretive_combat_arm	boolean	Interpretive Potential: Significant Participation of Cavalry, Artillery, or Other Single Cor	
interpretive_military_firsts	boolean	Interpretive Potential: Military Firsts	
interpretive_minority_troops	boolean	Interpretive Potential: Participation of Significant Numbers of Minority Troops	
interpretive_economic	boolean	Interpretive Potential: Significant Economic Consequences	
interpretive_archaelolgical	boolean	Interpretive Potential: High Archaelogical Potential	
interpretive_logistics	boolean	Interpretive Potential: Unusually Significant Logistics or Supply Feat	
interpretive_individual_bravery	boolean	Interpretive Potential: Exception Individual Initiative in Bravery or Command	
interpretive_group_behavior	boolean	Interpretive Potential: Exceptional Group Behavior	
interpretive_joint_ops	boolean	Interpretive Potential: Illustrates Joint Operations (Army, Navy)	
interpretive_coop_armies	boolean	Interpretive Potential: Illustrates Cooperation of Separate Military Departments or Armi	
interpretive_naval	boolean	Interpretive Potential: Naval Operations	
military_jim	string	Military Importance (James McPherson)	
military_ed	string	Military Importance (Edwin Bearss)	
military_bill	string	Military Importance (william_cooper)	
protected_acres	number	Protected land area (acres)	
	•	Continued on n	

Continued on r

number	Protected (percent of land area)
string	County
string	Land value
boolean	priority1
string	url
	string string boolean

Table 4.1 – continued from previous page

## reference\_number

title Reference Number

type string

format default

The reference number assigned to the battle site/event. The first two letters are the abbreviation of the state in which the battle site/event is located. The number reflects the order in which the battle site/events in the state were assigned a reference number.

#### event

title event

type string

format default

### type

title Type type string format default

The kind of conflict as designated in The War of the Rebellion: A Compilation of the Official Records of the Union and Confederate Armies (Washington, DC: GPO, 1880-1901).

## start\_date

title Start date

type date

format default

Beginning day of the event.

## end\_date

title End date

type date

format default

End day of the event.

#### theater

title Theater type string format default

The name of the theater. 1 Main Eastern Theater of operation. 2 Lower Seaboard Theater of Operation. 3 Main Western Theater of Operations & the Gulf Approach (1861-1863). 4 Trans-Mississippi Theater of Operations 5 Pacific Coast Theater Robert N. Scott, the overall editor of The War of the Rebellion: A Compilation of the Official Records of the Union and Confederate Armies (Washington, DC: The Government Printing Office, 1880-1901), arranged Series I, of that publication, according to the campaigns and several theaters of operations .... The Official Records editors recognized five theaters of operations, Main Eastern, Lower Seaboard, Main Western, Trans-Mississippi, and Pacific Coast. Dr. Dallas D. Irvine, the creator and major compiler-editor of Military Operations of the Civil War: A Guide-Index to Official Records of the Union and Confederate Armies, 1861-1865 (Washington, DC: The Government Printing Office, 1968-80), modified this arrangement by removing the Gulf Approach operations from the Main Western Theater and combining them with the Lower Seaboard Theater. The Commission study used Irvine's classification system.

#### campaign

title campaign type string format default

#### threats

title threatstype numberformat default

The degree of anticipated threats to the battle sites' integrity over the next 10 years. The Commission assigned the degree of threat based on short- and long-term threats identified by the field investigator on the battle site survey form.

## ownership\_federal

title Ownership (Federal)

type boolean

format default

The kind(s) of known ownership of the battle site. The Commission relied on the ownership information provided on the survey forms and additional data collected by staff members. The field surveyors and the Commission staff did not consult official ownership records, such as County tax records or maps. Many of the battle sites probably have more kinds of ownership than indicated in the Commission's database.

#### ownership\_local

title Ownership (local government)

type boolean

format default

### ownership\_private

title Ownership (private) type boolean

format default

## ownership\_state

title Ownership (state government)type booleanformat default

### ownership\_unknown

title Ownership (unknown)

type boolean

format default

#### park

title park type boolean format default

Park means any size or kind (historical, recreations, natural, etc.) of federal, state, local, or private park. A park presence does not mean that the battle is interpreted or even that the battle site is protected.

# integrity

title integritytype stringformat default

Integrity is the measure of the battle site's condition. A battle site with fair integrity is largely intact with some changes in primary geographical and topographical configuration and mass and scale of the buildings. A battle site with good integrity is essentially unchanged from the historic period with respect to terrain, land use, road network, and mass and scale of buildings. A battle site with poor integrity is significantly altered in terms of its primary geographical and topographical configuration and scale of the buildings. Road construction and changes in land use are usually evident at sites with poor integrity. Sites with poor integrity sometimes retain core parcels (50-200 acres) intact within the generally fragmented landscape. A local site has changed beyond recognition, meaning that a local resident of the time returning to the site today presumably would not recognize his surroundings. Lost battlefields may retain

small (1-50 acres) parcels suitable for commemoration, however, the ability to interpret the battle on the landscape has been lost.

#### military

title military type string format default constraints

enum ['A', 'B', 'C', 'D']

The Military Importance or Military Class; Military Importance = Military Class. The Commission ranked each battle (and its associated battle site) within the framework of its campaign and the war. Decisive: A general engagement involving field armies in which a commander achieved a vital strategic objective. Such a result might include an indisputable victory on the field or be limited to the success or termination of a campaign offensive. Decisive battles had a direct, observable impact on the direction, duration, conduct, or outcome of the war. Formative: An engagement involving divisions or detachments of the field armies in which a commader accomplished a limited campaign objective of reconnaissance, disruption, defense, or occupation. Formative battles had an observable influence on the direction, duration, or conduct of the campaign. Limited: An engagement, typically involving detachments of the field armies, in which a commander achived a limited tactical objective of reconnaissance, defense, or occupation. Limited battles maintained contact between the combatants without observable influence on the direction of the campaign. Major: An engagement of magnitude involving field armies or divisions of the armies in which a commander achived an important strategic objective within the context of an ongoing campaign offensive. Major battles had a direct, observable impact on the direction, duration, conduct, or outcome of the campaign.

#### interpretive\_political

title Interpretive Potential: effect upon international diplomacy

type boolean

format default

#### interpretive\_commander\_loss

title Interpretive Potential: Loss of significant commander (Wounding, Death, Relieved of Command)

type boolean

format default

#### interpretive\_casualties

title Interpretive Potential: Unusually High Casualties

type boolean

format default

## interpretive\_tactics\_strategy

title Interpretive Potential: Illustrates Important Lessons in Military Tactics and Strategy type boolean format default

## interpretive\_public\_mind

title Interpretive Potential: Unusual Importanve in the Public Mind and Imagination

type boolean

format default

# interpretive\_combat\_arm

title Interpretive Potential: Significant Participation of Cavalry, Artillery, or Other Single Combat Arm type boolean format default

# interpretive\_military\_firsts

title Interpretive Potential: Military Firststype booleanformat default

# interpretive\_minority\_troops

title Interpretive Potential: Participation of Significant Numbers of Minority Troops

type boolean

format default

## interpretive\_economic

title Interpretive Potential: Significant Economic Consequences

type boolean

format default

## interpretive\_archaelolgical

title Interpretive Potential: High Archaelogical Potential type boolean format default

## interpretive\_logistics

title Interpretive Potential: Unusually Significant Logistics or Supply Feattype booleanformat default

### interpretive\_individual\_bravery

title Interpretive Potential: Exception Individual Initiative in Bravery or Command type boolean

format default

### interpretive\_group\_behavior

title Interpretive Potential: Exceptional Group Behavior type boolean format default

### interpretive\_joint\_ops

title Interpretive Potential: Illustrates Joint Operations (Army, Navy)type booleanformat default

#### interpretive\_coop\_armies

title Interpretive Potential: Illustrates Cooperation of Separate Military Departments or Armies

type boolean

format default

#### interpretive\_naval

title Interpretive Potential: Naval Operationstype booleanformat default

## military\_jim

title Military Importance (James McPherson) type string format default

#### constraints

enum ['A', 'B', 'C', 'D']

Dr. James M. McPherson. The letter in this field is Dr. McPherson's initial opinion regarding the military importance of the event. (Refer to MILITARY above.) An entry was made in this field only when Dr. McPherson disagreed with the first military importance value assigned to the event. Differences of opinion about the military importance of specific battle events were resolved at an October 23, 1992 meeting.

#### military\_ed

title Military Importance (Edwin Bearss)

type string

format default

constraints

enum ['A', 'B', 'C', 'D']

Dr. Edwin C. Bearss. The letter in this field is Mr. Bearss 'initial opinion regarding the military importance of the event. (Refer to MILITARY above.) An entry was made in this field only when Mr. Bearss disagreed with the first military importance value assigned to the event. Differences of opinion about the military importance of specific battle events were resolved at an October 23, 1992 meeting.

#### military\_bill

title Military Importance (william\_cooper) type string format default constraints enum ['A', 'B', 'C', 'D']

Dr. William J. Cooper, Jr.. The letter in this field is Dr. Cooper's initial opinion regarding the military importance of the event. (Refer to MILITARY above.) An entry was made in this field only when Dr. Cooper disagreed with the first military importance value assigned to the event. Differences of opinion about the military importance of specific battle events were resolved at an October 23, 1992 meeting.

#### protected\_acres

title Protected land area (acres)

type number

format default

The number of acres of the battle site that are protected; for example, by easement or park status. This field is ill-defined and incomplete. The data may be inaccurate. The Commission did not use the data in this field.

#### protected\_percent

title Protected (percent of land area)

type number

format default

Percentage of the land area of the battlefield that is protected. This field is ill-defined and incomplete. The data may be inaccurate. The Commission did not use the data in this field.

#### county

title County

type string

format default

The county, or counties, in which the battle site is located. In Virginia, incorporated cities are not part of their surrounding jurisdiction. Note: The Commission used its Counties database (counties.dbf) for county information rather than this entry in the events database.

#### land\_value

title Land value

type string

format default

The assessed land value of the battle site. This field is incomplete and the data may be inaccurate. The Commission did not use the data in this field.

#### priority1

title priority1

type boolean

format default

"1" = The battle site/event is one of the Commission's Priority One battlefields. "0" = The battle site/event is not one of the Commission's Priority One battlefields. This field was never completed.

#### url

title url type string format url

URL to the record on aad.archives.gov.

# Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

name aad\_events
path aad\_events.json
format json

Sources:

# Miscellaneous battle data

name battlemisc

path battlemisc.csv

format csv

Miscellaneous battle data.

Miscellaneous battle-level data coded for this dataset. The battles are the CWSAC battles (see *CWSAC Report battle data: battles*). The extra data includes:

- surrenders
- attackers

Sources: [jrnold]

# Schema

cwsac_id	string	CWSAC Id.
battle_name	string	Battle name
attacker	string	Attacker
surrender	string	Surrender
siege	boolean	siege
naval	string	naval

# cwsac\_id

title CWSAC Id.

type string

format default

constraints

```
pattern [A-Z]{2}[0-9]{3}[A-Z]?
```

#### battle\_name

title Battle name

type string

format default

# attacker

title Attacker

type string

format default

constraints

enum ['US', 'Confederate']

Which side was the attacker in the battle? This was coded as the side which first initiated combat in that battle. It is not a measure of which side was attacking in the campaign. This was coded from the descriptions in the CWSAC and Wikipedia.

## surrender

title Surrender

type string

format default

#### constraints

enum ['Union complete', 'Union partial', 'None', 'Confederate partial', 'Confederate complete']

Did one of the sides surrender?

## siege

title siege type boolean format default

### naval

title naval

type string

format default

#### constraints

#### enum ['Yes', 'No', 'Partial']

Was this a naval battles? "Yes" if at least one of the side's forces consisted of only ships, e.g. ship vs. ship battles or ship vs. land fortifications. If "Partial", then land forces were involved on both sides, but ships were part of at least one side's forces. If "No", then no naval forces were involved.

# Bodart (1908) battles of the American Civil War

name bodart1908\_battles

path bodart1908\_battles.csv

format csv

Bodart (1908) Militär-historisches kreigs-lexikon data on battles of the American Civil War

These data are from Bodart (1908) *Militär-Historisches Kreigs-Lexicon (1618-1905)*. The *Kreigs-Lexicon* includes over 600 battles from European wars 1618–1905.

The most important Engagements, meetings, battles, sieges, assaults, capitulations all wars, with the exception of the colonial wars in periods of 1618-1905.

This data only includes the 50 battles that are part of the American Civil War (pp. 522-542, ). In Bodart, the war is called Nordamerikanischer Bürgerkrieg, the Conderacy is referred to as Konföderierten (Suudstaaten), and the US as Unierten (Nordstaaten).

His criteria for including battles in his list is that they were either

- of great consequences, e.g. termination of a campaign, lifting a siege, taking a capital city or surrender
- · or involved great number of losses
  - land battle: Losses of greater than 2,000 men on both sides
  - sea battle: Because sea battles had fewer men, some with losses of less than 1,000 were included.

Bodart determines the victor of the battle as follows

- 1. the side that claimed the battlefield or achieved purpose of fighting
- 2. else, the side which had a lower percentage of casualties

His description of the data (p. 45-47, Google Books translation from German to English):

On admission, the statistically treated battles meeting, sieges, etc., the author has been guided by the principle that only those battles were included, who have played in the history of individual states a greater role.

There were so taken up such fights, which attracted great consequences for themselves (such as termination of the campaign, lifting a siege, taking a capital city, surrender, and so forth), or without regard to such consequences such battles, which, either by the Assembly of a large number of combatants on the battlefield or as result of their great losses appeared worthy of inclusion.

As a basis for the great loss by the host position to be taken to the author, the total loss figure of 2,000 men served together on both sides.

An exception was held regarding the naval battles and Seetreffen, even those which were taken up by what were only 1,000 men or less of total loss and for the reason, because the author wanted the neglected, fighting to give the lake one of its important place.

In the naval battles of modern wars has been the tonnage of the ships, the number of indicated horse-power of the machines, the size, type and number of guns, and the Bemannungsstand account. With the loss of information in addition to human losses appear the ship's gun and loss account.

The place of the victor in the comparisons is always on the left side, the search for the right of the vanquished. In so-called indecisive battles that party was considered a winner, which claimed the battlefield or the purpose sought by the fighting reached, even if their material loss was greater. If the above factors were not available, the party was given the victory, which scored a minority of the same success as her opponent with a larger Struiterzahl. Since the loss data provide absolute figures for the size of the sustained loss of any scale for the comparative assessment was performed in all loss of Perzentsatz determined the same by the G esam t-Strei terzah 1, which allows an immediate comparison of the enemy's losses to their relative amount is.

Where it was feasible, the loss of trophies and war material were attached.

The strength information those forces were always given, which were disposable for battle, and therefore in an emergency could still be used, and not merely those which really came into the fight. The author went here based on the consideration that even the presence of a number of troops at one of the battle-field not too distant places affect the enemy in his dispositions, and could act affecting the course of events, therefore, those troops when they where also fight and the decision took no part, were included.

The next to each conflict in the parentheses point to emphasize its meaning at first glance in the manner that the paragraph in question "Lio category called, in which ranks of battle.

For the rank classification or categories of fighting, the total amount of losses (bloody and bloodless) both opponents were decisive for the author, taken together, u. ZW. Range from the

Fight on land in the

- 1st category, those in which the total casualties reached at least 30,000
- 2nd category ... 20,000
- 3rd category ... 10,000
- 4th category ... 5,000
- 5th category ... 3,000
- 6th category ... 1,000

In the battles at sea in the

- 1st category, those in which the total casualties reached at least 10,000
- 2nd category ... 5,000
- 3rd category ... 3,000
- 4th category ... 2,000
- 5th category ... 1,000

• 6th category ... 500

Left the battles which the first three categories innate (about 250 in number), and which represent the greatest fights of modern times and the most recent time, was already at the point where they reach the treatise, a bouncing into your eyes preferably sooner so that readers will point out at once that he has to do here with a meaningful fight.

The strength and casualty figures have been rounded up by the author after u. Btw. In such a way that a number of less than 50 men on 50, such a of less than 100 men were rounded down to 100.

And on page 601:

With regard to the rank classification of fighting in six categories, is with regard to the land battles, and -meeting -Gefechte, and referenced with respect to the sea-battles, and -meeting -Gefechte to the "Explanatory Preface" in the on page 47 apparent explanation.

With regard to the rank classification of fights included in the column "attack, siege, storming, surrender fortified places" is expressly noted that not as the sum total of the mutual losses as a basis of classification used in the battles, meetings and engagements in these battles, but the strength of the occupation of the fortified place in question, so that a besieged fortress with a garrison of more than 30,000 men under the struggles 1st order, one with 20,000 to 30,000 men in the 2nd order, etc., as set out on page 47 included, has been. With regard to the "capitulations in the open field," so the overall strength of the resultant army served as the basis for the ranking classification, again after the numeral regular gradation of the six categories, as discussed on page 47 concerning the fighting on land.

Locations of data on the American Civil War

- The costliest battles of the war leading states since 1618: p. 843
- The largest victories and commanders. p. 774
- Generals killed in battle. p. 911-

Translations of the German terms used in Bodart

- Streitkräfte = "armed forces" "hievon im Kampfe" = Forces engaged in combat ("thereof in conflict") "infanterie" = infantry - "kavallerie" = cavalry - "artillerie" = artillery - "Gesamt - Stärke" = "Total - Strength" -"geschütze", "gesch." = guns
- "verluste" = casualties "tot" = killed "verwundet", "verw." = wounded "blutige einbusse" = killed or wounded ("bloody casualties") "tot und verwundet", "tot u. verw." = killed or wounded "vermixßt, gefangen" = missing, captured "gefangen", "gefg." = captured "gesamt verslust" = total casualties (killed, wounded, and missing or captured) "offz." = "Officers" "Gen." = "Generals"
- "Gefallene Generale" = generals killed in action
- "Verl. an Trophäen" = "losses of materials"
  - "Kan.", "Kanonen" = "canon"
  - "Fahnen" = "flag"
  - "Wagen" = "wagon"
  - "Geschutze", "Gesch." = "artillery"
  - "Munitionswagen" = "gun wagons"
  - "Gewehre" = "guns"
- "kanonen", "kan." = cannon
- "fahnen" = flags
- "geschütze", "gesch." = guns

Bodart classifies battles into the following cateogies:

- Belagerung : siege
- Einnahme : taking
- Gefecht : battle
- Treffen : meeting, encounter
- Schlacht : battle
- Kapitulation : surrender
- Erstürmung : storming
- Einschliessung : confinement
- Überfall : raid
- Vergebliche belagerung : unsuccessful siege
- Seeschlacht : naval battle

These battle types are placed into 4 larger categories (see pp 602-607) with subcategories.

- "Land-schlachten, -Treffen, -Gefechte" ("land battles")
- "See-Schlachten, -Treffen, -Gefechte" ("sea battles")
- "Angriff, Erstürmung, Belagerung, Kapitulation befestigter Plätse" ("Attack, assault, siege, capitulation fortified places")
- "Kapitulation auf freiem Felde ("surrenders (not after a siege)")

There is also a category entitled "Summe der" (total of the ...)

- Kämpfe zu Lande ("battles on land")
- Kämpfe zur See ("battles at sea")
- Belagerungen ("siege")
- Kapitulation ("surrender")

Final total category "Gesamtsumme der Kämpfe" ("total fights")

- "die bedeutendsten niederlagen der Foo gegen die Bar" : "the most significant defeats of Foo against Bar"
- "die größten Siege der Foo gegen die Bar" : "the biggest victories of Foo against Bar"

#### Corrections

• Bodart listed the date of the Battle of Ringgold as 1863-11-13 to 1863-11-25; I changed this to 1863-11-23 to 1863-11-25, the correct dates for this battle.

Several "battles" in Bodart are campaigns. For exmample, Petersburg spans June 9, 1864 (First Battle of Petersburg) to April 3, 1865 (capture of Petersburg after the Third Battle of Petersburg). This includes parts of the Richmond-Petersburg Campaign and Appomattox Campaign.

While most entries are presented in an almost tabular form, some entries only have a paragraph of text. An example of this is from p. 528, Schlacht bei Perryville,

Sieg der Konföderierten (68.000 M.) unter Gen. Bragg über die Unierten (54.000 M.) unter GM. Buell.

The Google Books translation of this passage is

Victory for the Confederates (68,000 meters) under General. Bragg on the Uniate (54,000 meters) in GM. Buell."

The relevant data that I extract from this text is,

- Confederates are the victor
- Confederate force gesamt-starke = 68000 commander = "Gen. Bragg"
- Union force gesamt-starke = 54000 commander "GM. Buell"

The sources cited by Bodart are (p. 29):

- Badeau "Military History of Ulysses S. Grant"
- Century Company "Battles and leaders of the civil war"
- Lee-Childe "Le general Lee, sa vie er ses campagnes"
- Official Records of the Union and Confederate armies
- Paris, comte de "Histoire de la guerre civile en Amerique"

Notable quirks of this dataset:

- Seven Days Battles are combined into a single battle: Chickahominy (June 25-July 1, 1862)
- There is a single battle for the Siege of Petersburg (June 9, 1864 to April 3, 1865)
- There is a single battle for the Siege of Charleston (April 1, 1863 to February 18, 1865)
- It includes a battle for the surrender Joseph E. Johnston at Durham"s Station in North Carolina.

Sources: [Bodart1908]

### Schema

battle_id	integer	Battle number
battle_name	string	Battle name
other_names	string	Other name(s)
start_date	date	Start Date
end_date	date	End Date
location	string	Location
state	string	State
category_schlacht	boolean	Battle
category_treffen	boolean	Meeting
category_belagerung	boolean	Siege
category_kapitulation	boolean	Surrender
category_einnahme	integer	Capture
category_size	integer	Size
page	integer	page

#### battle\_id

title Battle number

type integer

format default

constraints

minimum 1

#### battle\_name

title Battle name type string format default Name of the battle

#### other\_names

title Other name(s)

type string

format default

Alternate names for the battle

#### start\_date

title Start Datetype dateformat default

#### end\_date

title End Datetype dateformat default

#### location

title Location

type string

format default

Location of the battle (in German)

#### state

title State type string format default constraints

pattern [A-Z]{2}

State in which the battle occurred. Two-letter abbreviation.

#### category\_schlacht

title Battle

type boolean

format default

Was the battle a major battle ("Schlacht")?

#### category\_treffen

title Meeting
type boolean
format default
Was the battle a meeting or encounter ("Treffen")?

#### category\_belagerung

title Siege type boolean format default Was the battle a siege ("Belagerung")?

#### category\_kapitulation

title Surrender
type boolean
format default
Was the battle a surrender ("Kapitulation")?

#### category\_einnahme

title Capture

type integer

format default

Was the battle a capture ("Einnahme")?

#### category\_size

title Size

type integer

format default

constraints

minimum 1

#### maximum 6

Category of the battle based on total casualties. For land battles the categories area 1. > 30,000 2. > 20,000 3. > 10,000 4. > 5,000 5. > 3,000 6. > 1,000

#### page

title page

type integer

format default

Page number in Bodart (1908)

## Bodart (1908) battle data: commanders

name bodart1908\_commanders

path bodart1908\_commanders.csv

format csv

Bodart (1908) data on the commanders of battles of the American Civil War

These data are from Bodart (1908), "Militär-Historisches Kreigs-Lexicon (1618-1905)". See *Bodart (1908) battles of the American Civil War* for more information on this source.

This table contains the commanders of each force in each battle in Bodart.

Sources: [Bodart1908]

## Schema

battle_id	string	Battle Id.
belligerent	string	belligerent
full_name	string	Name
last_name	string	Last Name
first_name	string	First Name
middle_name	string	Middle Name
suffix	number	Suffix
rank	string	Rank
dbpedia	string	Dbpedia

#### battle\_id

title Battle Id.

type string

format default

#### belligerent

title belligerent

type string

format default

#### full\_name

title Name

type string

format default

Name of the commander

#### last\_name

title Last Nametype stringformat default

#### first\_name

title First Nametype stringformat default

#### middle\_name

title Middle Name type string format default

#### suffix

title Suffixtype numberformat default

#### rank

title Rank

type string

format default

rank of the commander

### dbpedia

title Dbpedia type string format url dbpedia.org URI of the commandern Sources: [Bodart1908]

### Bodart (1908) battle data: force strengths and casualties

name bodart1908\_forces

path bodart1908\_forces.csv

format csv

Bodart (1908) data on force sizes and casualties in battles of the American Civil War

These data are from Bodart (1908), "Militär-Historisches Kreigs-Lexicon (1618-1905)". See *Bodart (1908) battles of the American Civil War* for more information on this source.

This table contains force sizes and casualties for each combatant in each battle.

I have found that the strength values in Bodart tend to be higher in other sources. He seems to use the total size of the unit involved in that theater or operations, without considering which parts of that unit participated in a given battle.

Sources: [Bodart1908]

### Schema

battle_id	string	Battle id
belligerent	string	belligerent
strength	integer	Strength
strength_engaged	integer	Strength Engaged
infantry	integer	Infantry
cavalry	integer	cavalry
artillery	integer	Artillery
guns	integer	guns
killed	integer	Killed
killed_percent	number	Killed (percent)
killed_generals	integer	killed_generals
killed_officers	integer	killed_officers
Continued on next page		

		in previous page
killed_wounded	integer	killed_wounded
killed_wounded_percent	number	Killed Wounded (percent)
killed_wounded_generals	integer	Generals killed or wounded
killed_wounded_officers	integer	Officers killed or wounded
wounded	integer	wounded
wounded_percent	number	Wounded (percent)
wounded_generals	integer	Generals wounded
wounded_officers	integer	Officers wounded
captured	integer	captured
captured_generals	integer	Generals captured
captured_officers	integer	Officers captured
missing	integer	missing
missing_percent	number	Missing (percent)
missing_generals	integer	Generals missing
missing_officers	integer	Officers missing
casualties	integer	Casualties
casualties_percent	number	Casualties (percent)
casualties_officers	integer	Casualties (officers)
casualties_generals	integer	Casualties (generals)
losses_guns	integer	Losses of guns
losses_caissons	integer	Losses of caissons
losses_cannon	integer	Losses of cannons
losses_canons	number	losses_canons
losses_flags	integer	Losses of flags
losses_munition_wagons	integer	Losses of munition wagons
losses_wagons	integer	Losses of wagons
note	string	note

Table 9.1 – continued from previous page

#### battle\_id

title Battle id

type string

format default

#### belligerent

title belligerent

type string

format default

#### strength

title Strength

type integer

format default

Total personnel

#### strength\_engaged

title Strength Engaged

type integer

format default

Personnel engaged in combat

#### infantry

title Infantry

type integer

format default

Number of infantry

#### cavalry

title cavalry type integer format default Number of cavalry

#### artillery

title Artillery type integer format default Number of artillery personnel

#### guns

title guns

type integer

format default

Number of guns (artillery pieces)

#### killed

title Killed type integer format default

#### killed\_percent

title Killed (percent)

type number

format default

constraints

minimum 0

maximum 1

#### killed\_generals

title killed\_generals
type integer

format default

#### killed\_officers

title killed\_officers type integer format default

#### killed\_wounded

title killed\_wounded
type integer
format default

#### killed\_wounded\_percent

title Killed Wounded (percent) type number format default constraints minimum 0 maximum 1

#### killed\_wounded\_generals

title Generals killed or wounded type integer format default

#### killed\_wounded\_officers

title Officers killed or wounded type integer format default

#### wounded

title wounded type integer format default

#### wounded\_percent

title Wounded (percent)

type number

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

maximum 1

#### wounded\_generals

title Generals woundedtype integerformat default

#### wounded\_officers

title Officers wounded type integer format default

#### captured

title captured type integer format default

#### captured\_generals

title Generals captured type integer format default

#### captured\_officers

title Officers captured type integer format default

#### missing

title missing type integer format default

#### missing\_percent

title Missing (percent)
type number

format default

constraints

minimum 0

maximum 1

#### missing\_generals

title Generals missing type integer format default

#### missing\_officers

title Officers missing type integer format default

#### casualties

title Casualties

type integer

format default

Total casualties (killed, wounded, and missing or captured)

#### casualties\_percent

title Casualties (percent)

type number

format default

constraints

minimum 0

maximum 1

#### casualties\_officers

title Casualties (officers) type integer format default

#### casualties\_generals

title Casualties (generals) type integer format default

#### losses\_guns

title Losses of gunstype integerformat default

#### losses\_caissons

title Losses of caissons type integer format default

#### losses\_cannon

title Losses of cannons type integer format default

#### losses\_canons

title losses\_canons type number format default

#### losses\_flags

title Losses of flagstype integerformat default

#### losses\_munition\_wagons

title Losses of munition wagonstype integerformat default

#### losses\_wagons

title Losses of wagons type integer

format default

#### note

title note type string format default

## Bodart (1908) battle data: generals killed

name bodart1908\_generals\_killed

path bodart1908\_generals\_killed.csv

format csv

Bodart (1908) data on the generals killed in battles of the American Civil War

These data are from Bodart (1908), "Militär-Historisches Kreigs-Lexicon (1618-1905)". See *Bodart (1908) battles of the American Civil War* for more information on this source.

This table contains the generals killed in battle for each battle in Bodart.

Bodart also lists the generals killed in battle on p. 910-911.

Bodart's correpondence of ranks

- Gen. = general = kommandierender General
- Lieut.-Gen. = liutenant-general = Generalleutenant
- Maj.-Gen. = major-general = Generalmajor
- Brig.-Gen. = brigadier-general = Brigade-general

Sources: [Bodart1908]

## Schema

battle_id	string	Battle Id.
belligerent	string	belligerent
full_name	string	full_name
last_name	string	Last name
first_name	string	First name
middle_name	string	Middle name
suffix	number	Suffix
rank	string	Rank
date	date	date
dbpedia	string	Dbpedia URI

#### battle\_id

title Battle Id.

type string

format default

#### belligerent

title belligerent

type string

format default

#### full\_name

title full\_name
type string
format default

#### last\_name

title Last nametype stringformat default

#### first\_name

title First nametype stringformat default

#### middle\_name

title Middle name type string format default

#### suffix

title Suffixtype numberformat default

#### rank

title Rank type string format default Rank of the general

#### date

title date
type date
format default
Date the general was killed (if given).

#### dbpedia

title Dbpedia URI

type string

format url

URI of the dbpedia.org resource for the person.

## Correspondence between Bodart (1908) battles and CWSAC battle IDs

name bodart1908\_to\_cwsac

path bodart1908\_to\_cwsac.json

format json

Correspondence between battles in Bodart (1908) and CWSAC battle identifiers.

This is the correpsondence between battles in Bodart (1908), e.g. *Bodart (1908) battles of the American Civil War*, and the battle identifiers used by the National Park Service for CWSAC battles, e.g. *CWSAC Report battle data: battles*.

Sources: [Bodart1908]

# Correspondence between Bodart (1908) battles and dbpedia.org resources

name bodart1908\_to\_dbpedia

 $path \ bodart 1908\_to\_dbpedia.json$ 

format json

Correspondence between battles in Bodart (1908) and dbpedia.org URIs.

This is the correpsondence between battles in Bodart (1908), e.g. *Bodart (1908) battles of the American Civil War*, and URIs of dbpedia.org resources.

Sources: [Bodart1908]

## War Trend from Burdekin and Langdana (1993)

name burdekin\_langdana\_war\_trend

path burdekin\_langdana\_war\_trend.csv

format csv

War Trend variable used in Burdekin and Langdana (1993) "War Finance in the Southern Confederacy, 1861-1865", *Explorations in Economic History* 

They classify each quarter of the war as either neutral (0), bad for the Confederacy (-1), or good for the Confederacy (+1). All quarter are classified as 0 except

- +1 for 1863Q3: victory of Chancelorsville aand advance of Lee's army into Maryland and Pennsylvania
- -1 for 1862Q2: Richmond threatened by McClellan during the Peninsular campaign
- -1 for 1863Q4 and 1864Q1: Aftermath of Gettysburg and Vicksburg

Their clasification was based on the qualitative accounts of crises of confidence in Schwab (1901), *The Confederate States of America, 1861-1865.* The variable is set to 0 in 1864Q2 and 1864Q3 because the Northern offensive stalls at the start of the year, and the northern Democratic party's nominates of McClellan.

Sources: [BurdekinLangdana1993]

### Schema

date	date	Date
trend	integer	War Trend

#### date

title Date type date format default

First day of the quarter

#### trend

title War Trend

type integer

format default

-1 (+1) if war news is unfavorable (favorable) to Confederacy; 0 otherwise.

## Batte data from civilwar.org

name civilwarorg\_battles

path civilwarorg\_battles.csv

format csv

Data on battles from the Civil War Trust. These are a subset of the National Park Service CWSAC battles, but can have slightly different, and sometimes more detailed, values for forces and casualties.

Sources:

## Schema

battle_id	string	Battle
battle_name	string	battle_name
url	string	url
start_date	date	Start date
end_date	date	End date
alternate_names	string	Alternate Names
location	string	Locations
state	string	state
campaign	string	Campaign
result	string	Result
total_casualties	string	Total casualties
total_strength	string	Total strength
cwsac_id	string	CWSAC Id.
dbpedia_url	string	dbpedia.org link

#### battle\_id

title Battle

type string

format default

#### battle\_name

title battle\_name
type string
format default

#### url

title url

type string

format url

URL of the battle on civilwar.org.

#### start\_date

title Start datetype dateformat default

#### end\_date

title End datetype dateformat default

#### alternate\_names

title Alternate Names type string format default

#### location

title Locations type string format default

#### state

title state type string format default

#### campaign

title Campaign type string format default Compaign of the battle.

#### result

title Result type string

format default

Battle result: Union victory, Confederate victory, or Inconclusive

#### total\_casualties

title Total casualtiestype stringformat default

Total of Confederate and Union casualties

#### total\_strength

title Total strength

type string

format default

Total of Confederate and Union strength (forces engaged).

#### cwsac\_id

title CWSAC Id. type string format default constraints CWSAC battle identifier. See *CWSAC Report battle data: battles*. Sources:

#### dbpedia\_url

title dbpedia.org link type string format url Link to dbpedia.org resource. Sources:

## Commanders in civilwar.org battle data

name civilwarorg\_commanders

path civilwarorg\_commanders.csv

format csv

Commanders of battles from the Civil War Trust. See Batte data from civilwar.org.

Sources:

## Schema

battle_id	string	Battle
belligerent	string	belligerent
name	string	Commander Name
url	string	Commander's Bio URL

#### battle\_id

title Battle

type string

format default

#### belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

#### name

title Commander Name type string format default

#### url

title Commander's Bio URL type string format url

URL to the biography of the commander at http://www.civilwar.org/education/history/biographies/.

## Strengths and casualties for forces in the civilwar.org battle data.

```
name civilwarorg_forces
```

path civilwarorg\_forces.csv

format csv

Casualties and strengths of forces in battles from the Civil War Trust. See Batte data from civilwar.org.

Sources:

## Schema

battle_id	string	Battle
belligerent	string	Belligerent
strength	integer	Strength
casualties	integer	Total casualties
killed	integer	Killed
wounded	integer	Wounded
killed_wounded	number	killed_wounded
missing_captured	integer	Missing and Captured

#### battle\_id

title Battle

type string

format default

#### belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confderate']

#### strength

title Strength

type integer

format default

constraints

Troops engaged in the battle.

#### casualties

title Total casualtiestype integerformat defaultconstraints

#### killed

title Killed type integer format default constraints

#### wounded

title Wounded type integer format default constraints

#### killed\_wounded

title killed\_wounded

type number

format default

#### missing\_captured

title Missing and Captured type integer format default constraints

## Clodfelter (2008) battle data: battles

name clodfelter\_battles
path clodfelter\_battles.csv
format csv

Battle data for the battles of the American Civil War in Clodfelter, M. (2008) Warfare And Armed Conflicts: A Statistical Encyclopedia of Casualty and Other Figures, 1494-2007.

Clodfelter has no strict rule for the inclusion of battles; his criteria is to include "all important and significant actions and the results of each conflict" (p. 1). No casualty threshold is used to select battles because that would have to vary across wars to produce sensical results.

Clodfelter divides the American Civil War into three theaters

- Eastern
- Western
- Blockade War

and divides the battles into thirteen groups: East (1861, 1862, 1863, 1864, 1865), West (1861, 1862, 1863, 1864, 1865), and Blocade War (1861–1862, 1863, 1864–1865).

Note on battle casualty percent. 15 percent for the American Civil War (p. 5).

The following battles had a significant naval component.

- Roanoke Island (Feb 7-8, 1862): large land component (13000, 3000)
- Hampton Roads (Mar 8, 1862): ship vs. ship.
- New Orleans (April 24, 1862): ship vs. fort.
- Galveston (Jan 1, 1863) Both sides had some land forces.
- Fort Hindman (Jan 11, 1863). Both sides had significant land forces.
- Mobile Bay (Aug 5, 1864): Mostly ships.
- Fort Fisher (Jan 13-15). Both sides had significant land forces. Bombardment + assault on fort.

Quirks of the battles in this data:

- · Vicksburg: divided into the overall siege and two Assaults
  - Vicksburg (siege) on 1863-5-18 to 1863-7-4
  - Vicksburg (1st assault) on 1863-5-19
  - Vicksburg (2nd assault) on 1863-5-22
- Port Hudson is divided into the overall siege and two Assaults
  - Port Hudson (Siege) on 1863-5-26 to 1863-7-9
  - Port Hudson (1st assault) on 1863-5-27
  - Port Hudson (2nd assault) on 1863-6-14
- Chattanooga: includes a battle for the overall battle and four separate Battles
  - Chattanooga on 1863-11-23 to 1863-11-25
  - Chattanooga (Orchard Knob/Indian Hill) on 11-23
  - Chattanooga (Lookout Mountain) on 11-24
  - Chattanooga (Tunnel Hill) on 11-25
  - Chattanooga (Missionary Ridge) on 11-25
- Cold Harbor: includes a battle for the overall siege and one for the assault
  - Cold Harbor (assault) on 1864-6-3
  - Cold Harbor on 1864-5-31 to 1864-6-12
- The Battle of Hampton Roads on March 8-9, 1862 is split into battles for each day
  - Hampton Roads (first day) on 1862-03-08
  - Hampton Roads (second day) on 1862-03-09
- Seven Days Battles includes an entry for the entire Seven Days Battles (June 25-July 1), as well as one for each separate battle.
  - The Orchard (Seven Days)
  - Mechanicsville (Seven Days)
  - Gaines's Mill (Seven Days)
  - Savage's Station (Seven Days)
  - White Oak Swamp (Seven Days)
  - Malvern Hill (Seven Days)
- 2nd Bull Run (Manasas) [VA026] (1862-8-28 to 1862-8-30) and Chantilly [VA027] (1862-9-1) are divided into two battles:
  - Groveton (1862-8-28)
  - Second Bull Run/Chantilly (Second Manassas) (1862-8-29 to 1862-9-1)
- 3rd Petersburg on 1865-04-02 is split into two battles
  - Fort Gregg on 1865-04-02
  - Petersburg (2nd Assault) on 1865-04-02
- Mobile Bay only includes the assault on August 5, 1864 and not the entire siege.

Sources: [Clodfelter2008]

## Schema

battle_id	string	battle_id
theater	string	Theater
theater_years	string	theater_years
start_date	date	Start date
end_date	date	End Date
result	string	Result
page	integer	Page

#### battle\_id

title battle\_id

type string

format default

#### theater

title Theater

type string

format default

constraints

enum ['East', 'West', 'Blockade War']

#### theater\_years

title theater\_years

type string

format default

constraints

enum ['Eastern Theater: 1861', 'Western Theater: 1861', 'The Blockade War: 1861-2', 'East: 1862', 'West: 1862', 'East: 1863', 'West: 1863', 'The Blockade War: 1863', 'East: 1864', 'West: 1864', 'The Blockade War: 1864-5', 'East: 1865', 'West: 1865']

#### start\_date

title Start datetype dateformat default

## end\_date

title End Datetype dateformat default

#### result

title Result type string format default constraints

enum ['Union', 'Confederate', 'Indecisive']

Result of the battle: Union victory, Confederate victory or tie. Clodfelter does not classify battles by result. This variable was added. The classifications follow CWSAC (*CWSAC Report battle data: battles*) where available.

Sources: [Clodfelter2008]

#### page

title Page

type integer

format default

Page number in Clodfelter (2008)

## Clodfelter (2008) battle data: commanders

```
name clodfelter_commanders
```

path clodfelter\_commanders.csv

format csv

Principal commanders of the battles listed in Clodfelter (2008) Warfare and Armed Conflicts.

Clodfelter does not directly list the principal commander of the battles. These were added for this data. They primarily follow the principal commanders for each battle given by the CWSAC (CWSAC Report (1993) battle data: commanders).

Sources: [Clodfelter2008]

## Schema

battle_id	string	battle_id
belligerent	string	belligerent
commander_number	integer	commander_number
PersonID	string	PersonID
last_name	string	last_name
first_name	string	first_name
middle_name	string	middle_name
middle_initial	string	middle_initial
rank	string	rank
navy	number	navy

## battle\_id

title battle\_id
type string

format default

## belligerent

title belligerent
type string

format default

## commander\_number

title commander\_number
type integer
format default

## PersonID

title PersonIDtype stringformat default

#### last\_name

title last\_name
type string
format default

## first\_name

title first\_name
type string
format default

## middle\_name

title middle\_name
type string
format default

## middle\_initial

title middle\_initial
type string
format default

#### rank

title ranktype stringformat default

## navy

title navy type number format default

# Clodfelter (2008) battle data: forces

name clodfelter\_forces

path clodfelter\_forces.csv

format csv

Sources: [Clodfelter2008]

## Schema

battle_id	string	battle_id	
belligerent	string	Belligerent	
strength	integer	Strength	
infantry	integer	Infantry personnel	
cavalry	integer	Cavalry personnel	
crewmen	integer	Crewmen	
corps	integer	corps	
cavalry_corps	integer	Cavalry Corps	
divisions	integer	Divisions	
cavalry_divisions	integer	Cavalry Divisions	
brigades	integer	Brigades	
companies	integer	Companies	
frigates	integer	frigates	
gunboats	integer	Gunboats	
ironclads	integer	Ironclads	
sloops	integer	Sloops	
steamers	integer	Steamers	
warships_and_transports	integer	Warships and Transports	
warships	integer	Warships	
	Continued on next page		

wooden_warships	integer	Wooden Warships
guns	integer	Guns
casualties	integer	Casualties
captured	integer	Captured
killed	integer	Killed
wounded	integer	Wounded
missing	integer	Missing
killed_wounded	integer	Killed or Wounded
killed_missing	integer	Killed or Missing
missing_captured	integer	Missing or Captured
wounded_missing	integer	Wounded or Missing
guns_lost	integer	Guns Lost
guns_captured	number	guns_captured
small_arms_lost	integer	Small Arms Lost
small_arms_captured	number	small_arms_captured
warships_sunk	integer	Warships Sunk
warships_damaged	integer	Warships Damaged
gunboats_sunk	integer	Gunboats Sunk
gunboats_captured	integer	Gunboats Captured
ironclads_sunk	integer	Ironclads Sunk
ironclads_captured	integer	Ironclads Captured
forts_captured	integer	Forts Captured
note	string	Note
str_mean	number	Strength (mean)
str_var	number	Strength (variance)

Table 19.1 - continued from previous page

## battle\_id

title battle\_id

type string

format default

## belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

## strength

title Strength

type integer

format default

#### constraints

minimum 0

Total number of personnel in the battle

### infantry

title Infantry personnel

type integer

format default

constraints

minimum 0

Total number of infantry in the battle

#### cavalry

title Cavalry personnel

type integer

format default

constraints

minimum 0

Total number of cavalry in the battle

#### crewmen

title Crewmen

type integer

format default

constraints

minimum 0

Total number of naval crew in the battle

#### corps

title corps

type integer

format default

constraints

minimum 0

Number of corps in the battle

## cavalry\_corps

title Cavalry Corps

type integer

format default

constraints

minimum 0

Number of cavalry corps in the battle

#### divisions

title Divisions

type integer

format default

constraints

minimum 0

Number of divisions in the battle

#### cavalry\_divisions

title Cavalry Divisions

type integer

format default

constraints

minimum 0

Number of cavalry divisions in the battle

## brigades

title Brigades type integer format default

constraints

minimum 0

Number of brigades in the battle

### companies

title Companies

type integer

format default

constraints

minimum 0

Number of companies in the battle

### frigates

title frigates

type integer

format default

constraints

minimum 0

## gunboats

title Gunboats

type integer

format default

constraints

minimum 0

## ironclads

title Ironclads

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

#### sloops

title Sloops type integer format default

constraints

**minimum** 0

#### steamers

title Steamers

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

#### warships\_and\_transports

title Warships and Transports

type integer

format default

constraints

minimum 0

### warships

title Warships

type integer

format default

constraints

minimum 0

#### wooden\_warships

title Wooden Warships type integer format default constraints

 $\mathbf{minimum} \hspace{0.1in} 0$ 

#### guns

title Guns

type integer

format default

constraints

minimum 0

Number of artillery pieces

### casualties

title Casualties

type integer

format default

constraints

minimum 0

Casualties (killed, wounded, and missing or captured)

### captured

title Captured

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

#### killed

title Killed

type integer

format default

constraints

minimum 0

## wounded

title Wounded

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

#### missing

title Missing

type integer

format default

constraints

minimum 0

## killed\_wounded

title Killed or Wounded type integer

format default

constraints

minimum 0

#### killed\_missing

title Killed or Missing

type integer

format default

constraints

 $\mathbf{minimum} \hspace{0.1in} 0$ 

## missing\_captured

title Missing or Captured

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

#### wounded\_missing

title Wounded or Missingtype integerformat default

constraints

 $\mathbf{minimum} \hspace{0.1in} 0$ 

#### guns\_lost

title Guns Lost

type integer

format default

constraints

minimum 0

Number of guns (artillery pieces) captured by the opponent.

## guns\_captured

title guns\_captured type number

format default

#### small\_arms\_lost

title Small Arms Lost type integer

format default

constraints

minimum 0

Number of small arms captured by the opponent.

#### small\_arms\_captured

title small\_arms\_captured
type number
format default

## warships\_sunk

title Warships Sunk

type integer

format default

constraints

minimum 0

Number of warships sunk by the opponent.

### warships\_damaged

title Warships Damaged

type integer

format default

constraints

minimum 0

Number of warships damaged by the opponent.

#### gunboats\_sunk

title Gunboats Sunk

type integer

format default

constraints

minimum 0

Number of gunboats sunk by the opponent.

## gunboats\_captured

title Gunboats Captured

type integer

format default

constraints

minimum 0

Number of gunboats captured by the opponent.

### ironclads\_sunk

title Ironclads Sunk

type integer

format default

constraints

minimum 0

Number of ironclads sunk by the opponent.

## ironclads\_captured

title Ironclads Captured

type integer

format default

constraints

minimum 0

Number of ironclads captured by the opponent.

## forts\_captured

title Forts Captured

type integer

format default

constraints

minimum 0

Number of forts captured by the opponent.

#### note

title Note

type string

format default

#### str\_mean

title Strength (mean)

type number

format default

constraints

minimum 0

Mean of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [Clodfelter2008]

#### str\_var

title Strength (variance) type number format default

constraints

#### minimum 0

Variance of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [Clodfelter2008]

# Correspondence between Clodfelter and CWSAC battles.

name clodfelter\_to\_cwsac
path clodfelter\_to\_cwsac.json
format json
Sources: [Clodfelter2008]

clodfelter\_to\_dbpedia

name clodfelter\_to\_dbpedia
path clodfelter\_to\_dbpedia.json
format json
Sources: [Clodfelter2008]

# CWSAC Report Updates battle data

name cws2 path cws2.json

format json

Data from the CWSAC Report Updates

This is a json file with an entry for each battle and the data arranged hierarchically. The various other  $cwsac2_*$  datasets present this same data in tabular form.

Sources:

## CWSAC Report Updates battle data: battles

name cws2\_battles

path cws2\_battles.csv

format csv

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIION], [CWSI

## Schema

	1	
battle	string	Battle
battle_name	string	Battle Name
state	string	State
campaign	string	Campaign
url	string	url
forces_text	string	Forces
strength	integer	Strength
results_text	string	Results (text)
result	number	result
study_area	number	Study Area
core_area	number	core_area
potnr_boundary	number	potnr_boundary
strength_mean	number	Strength (mean)
strength_var	number	Strength (variance)

## battle

title Battle

type string
format default
constraints
 minLength 5
 maxLength 6
 pattern [A-Z]{2}[0-9]{3}[A-Z]?
CWSAC battle identifier

#### battle\_name

title Battle Nametype stringformat default

#### state

title State type string format default constraints minLength 2 maxLength 2 pattern [A-Z][A-Z]

State in which the battle occurred. Two-letter abbreviation of the state.

#### campaign

title Campaign

type string

format default

Campaign of the battle

#### url

title url type string format url

URL of the CWSAC Updated report

#### forces\_text

title Forces

type string

format default

Text description of the forces involved in the battle

#### strength

title Strength

type integer

format default

constraints

minimum 0

Total personnel (on both sides) in the battle. For some battles, CWSAC gives an aggregate total, but not totals for the individual sides.

#### results\_text

title Results (text)

type string

format default

Description of the result of the battle

#### result

title result

type number

format default

Battle result

#### study\_area

title Study Area

type number

format default

Study area in acres The Study Area represents the historic extent of the battle as it unfolded across the landscape. The Study Area contains resources known to relate to or contribute to the battle event: where troops maneuvered and deployed, immediately before and after combat, and where they fought during combat. Historic accounts, terrain analysis, and feature identification inform the delineation of the Study Area boundary. Historic setting, approaches, and natural features that figure importantly in the battle are defining elements. The Study Area indicates the extent to which historic and archeological resources associated with the battle (areas of combat, command, communications,

logistics, medical services, etc.) may be found and protected. Surveyors delineated Study Area boundaries for every battle site that was positively identified through research and field survey, regardless of its present integrity.

#### core\_area

title core\_area
type number
format default

Core area in acres The Core Area represents the areas of direct engagement on the battlefield. Positions that delivered or received fire, and the space connecting them, fall within the Core Area. Frequently described as "hallowed ground," land within the Core Area is often the first to be targeted for protection. There may be more than one Core Area on a battlefield, but all lie within the Study Area.

#### potnr\_boundary

title potnr\_boundary type number

format default

Potential National Register Boundary area in acres Unlike the Study and Core Area, which are based only upon the interpretation of historic events, the Potential National Register (PotNR) boundary represents ABPPs assessment of a Study Areas current integrity (the surviving landscape and features that convey the sites historic sense of place). The PotNR boundary may include all or some of the Study Area, and all or some of the Core Area. Although preparing a National Register nomination may require further assessment of historic integrity and more documentation than that provided by the ABPP survey, PotNR boundaries identify land that merits this additional effort.

#### strength\_mean

title Strength (mean)

type number

format default

constraints

minimum 0

Mean of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]

#### strength\_var

title Strength (variance) type number format default constraints

#### **minimum** 0

Variance of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]

## CWSAC Report Updates: commanders

name cws2\_commanders

path cws2\_commanders.csv

format csv

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]

## Schema

battle	string	Battle
belligerent	string	belligerent
fullname	string	Full name
rank	string	Rank
last_name	string	Last Name
first_name	string	First Name
middle_name	string	Middle Name
suffix	string	Suffix

### battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

### belligerent

title belligerent type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

## fullname

title Full nametype stringformat default

## rank

title Rank
type string
format default
Rank of the commander at the time of the battle

### last\_name

title Last Nametype stringformat default

## first\_name

title First Nametype stringformat default

## middle\_name

title Middle Name

type string

format default

## suffix

title Suffix type string

format default

# CWSAC Report Updates battle data: battle dates

name cws2\_dates

path cws2\_dates.csv

format csv

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]

# Schema

battle	string	Battle
spell	integer	Spell
start_date	date	Start Date
end_date	date	End Date

## battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

# spell

title Spell type integer format default constraints minimum 1

maximum 2

Spell number of the battle. Only one battle had non-contiguous dates, and two spells.

## start\_date

title Start Datetype dateformat default

# end\_date

title End Datetype dateformat default

# CWSAC Report Updates battle data: force strengths

name cws2\_forces

path cws2\_forces.csv

format csv

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIION], [CWSI

# Schema

battle	string	Battle
belligerent	string	belligerent
description	string	Description
strength	integer	strength
regiments	integer	Regiments
companies	integer	companies
brigades	integer	brigades
divisions	integer	divisions
corps	integer	corps
armies	integer	armies
cavalry_regiments	integer	Cavalry Regiments
cavalry_brigades	integer	Cavalry Brigades
cavalry_divisions	integer	Cavalry Divisions
cavalry_corps	integer	Cavalry Corps
cavalry_companies	integer	Cavalry Companies
artillery_batteries	integer	Artillery Batteries
artillery_companies	integer	Artillery Companies
artillery_regiments	integer	Artillery Regiments
artillery_sections	integer	Artillery Sections
infantry_regiments	integer	Infantry Regiments
strength_other	integer	Strength (other)
ships	integer	Ships
guns	integer	Guns
strength_mean	number	Strength (mean)
strength_var	number	Strength (variance)

# battle

title Battle

type string

format default

constraints

minLength 5

```
maxLength 6
```

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

# belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

# description

title Description

type string

format default

Description of the units involved

#### strength

title strength

type integer

format default

constraints

#### minimum 0

Total personnel in the force. In some cases CWSAC gives a numeric value of the forces involved. In other cases, it describes the units involved. The columns strength\_mean and strength\_var estimate the strength combining all information given by CWSAC.

#### regiments

title Regiments

type integer

format default

constraints

minimum 0

Number of regiments

#### companies

title companies

type integer

format default

constraints

minimum 0

Number of companies

# brigades

title brigades

type integer

format default

constraints

minimum 0

Number of brigades

## divisions

title divisions

type integer

format default

constraints

minimum 0

Number of divisions

### corps

title corps

type integer

format default

constraints

minimum 0

Number of corps

### armies

title armies

type integer

format default

constraints

minimum 0

Number of armies

# cavalry\_regiments

title Cavalry Regiments

type integer

format default

constraints

minimum 0

Number of cavalry regiments

## cavalry\_brigades

title Cavalry Brigades

type integer

format default

constraints

minimum 0

Number of cavalry brigades

#### cavalry\_divisions

title Cavalry Divisions type integer format default constraints minimum 0 Number of cavalry divisions

#### cavalry\_corps

title Cavalry Corps type integer format default constraints minimum 0 Number of cavalry corps

# cavalry\_companies

title Cavalry Companies

type integer

format default

constraints

minimum 0

Number of cavalry companies

## artillery\_batteries

title Artillery Batteries

type integer

format default

constraints

minimum 0

Number of artillery batteries

#### artillery\_companies

title Artillery Companies type integer format default constraints minimum 0 Number of artillery companies

# artillery\_regiments

title Artillery Regiments type integer format default constraints minimum 0

Number of artillery regiments

# artillery\_sections

title Artillery Sections

type integer

format default

constraints

minimum 0

Number of artillery sections

## infantry\_regiments

title Infantry Regiments

type integer

format default

constraints

minimum 0

Number of infantry regiments

### strength\_other

title Strength (other)type integer

format default

constraints

minimum 0

Number of personnel involved other than the units listed in the description.

## ships

title Ships type integer format default constraints minimum 0

Number of ships involved in the battle

#### guns

title Guns

type integer

format default

constraints

minimum 0

Number of artillery pieces involved in the battle

### strength\_mean

title Strength (mean)

type number

format default

constraints

#### minimum 0

Mean of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]

#### strength\_var

title Strength (variance)

type number

format default

constraints

minimum 0

Variance of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOA], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIION], [CWSI

# CWSAC Report Updates battle data: locations

name cws2\_locations

path cws2\_locations.csv

format csv

Sources: [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIIA], [CWSIIMD], [CWSIINO], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIIOK], [CWSIION], [CWSI

# Schema

battle	string	Battle
state	string	State
location	string	County or City

## battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

### state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z][A-Z]

2-letter State abbreviation

# location

title County or City

type string

format default

County or city in which the battle occurred.

# CWSAC Report (1993) battle data

name cwsac path cwsac.json format json

Data from the CWSAC Report (1993)

This is a json file with an entry for each battle and the data arranged hierarchically. The various other  $cwsac_*$  datasets present this same data in tabular form.

Sources:

# CWSAC Report battle data: battles

name cwsac\_battles

path cwsac\_battles.csv

format csv

Civil War Sites Advisory Commission 1993 Report battle data

These data are from the CWSAC Battle Summaries. The unstructured webpages were cleaned and converted into the structured data in these tables.

For more information on the CWSAC data see

- http://www.nps.gov/hps/abpp/battles/tvii.htm
- http://www.nps.gov/hps/abpp/cwsac/cws0-1.html

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# Schema

battle	string	Battle
url	string	url
battle_name	string	Battle Name
other_names	string	Other Battle Names
state	string	State
locations	string	Locations
campaign	string	Campaign
start_date	date	Start Date
end_date	date	End Date
operation	boolean	operation
assoc_battles	string	Associated battles
results_text	string	Results
result	string	result
forces_text	string	forces_text
strength	integer	strength
casualties_text	string	casualties_text
casualties	integer	Casualties
description	string	Battle summary
preservation	string	Preservation Priority
significance	string	Military significance
strength_mean	number	Strength (mean)
strength_var	number	Strength (variance)

# battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

#### url

title url

type string

format url

URL of the battle summary

# battle\_name

title Battle Name type string

format default

#### other\_names

title Other Battle Names

type string

format default

Secondary or commonly used names, such as Elkhorn Tavern (Pea Ridge), Bull Run (Manassas), and Sharpsburg (Antietam).

#### state

title State type string format default constraints minLength 2

maxLength 2

pattern [A-Z][A-Z]

2-letter State abbreviation

### locations

title Locations

type string

format default

The present day county or city in which the battlefield is located.

#### campaign

title Campaign

type string

format default

The larger military operation with which the battle is associated.

#### start\_date

title Start Datetype dateformat default

#### end\_date

title End Datetype dateformat default

#### operation

title operation

type boolean

format default

Was the battle an operation, a series of several related battles? E.g. Marietta Operations.

#### assoc\_battles

title Associated battles

type string

format default

If the battle was an operation, this contains the names of the battles in that operation.

#### results\_text

title Results

type string

format default

Text description of the battle result

The victor in the battle, if the outcome was definitive. If the outcome was other than definitive, that information is provided.

#### result

title result type string format default constraints enum ['Union', 'Confederate', 'Inconclusive']

Categorical result of the battle: Union victory, Confederate victory, or a tie.

#### forces\_text

title forces\_text

type string

format default

Description of the forces involved in the battle. CWSAC summary

In most summaries, the particular company, regiment, brigade, division, corps, army, garrison, detachment, or ship. Some summaries, however, indicate the number of troops involved. In both cases, the purpose is to provide an idea of the size of the engagement. Most of the forces engaged were found in the U.S. War Department's Official Records.

#### strength

title strength

type integer

format default

constraints

minimum 0

Total personnel involved in the battle. In some cases, CWSAC gives a number for the total personnel in the battle, but does not disaggregate by side.

#### casualties\_text

title casualties\_text

type string

format default

Description of the casualties of the battle.

#### casualties

title Casualties

type integer

format default

constraints

#### minimum 0

Total casualties (both sides) of the battle. In some cases, CWSAC gives a number for the total personnel in the battle, but does not disaggregate by side. CWSAC description of casualties

No source exists, either in print or in manuscript, that provides casualty figures for all Civil War battles or even for the 384 principal battles that the CWSAC studied. Some of the casualty figures for the 384 principal battles are unknown; in some instances reliable figures are available for one of the combatants but not for the other. Few casualty figures are definitive; sources often differ in their figures. A variety of sources, both official and commercial, printed and in manuscript, were consulted. All casualty figures were subjected to historical analysis before inclusion in the summaries.

A partial list of sources follows.

Dyer, Frederick. A Compendium of the War of the Rebellion . .. Des Moines, IA: Dyer Publishing Company, 1908.

Fox, William F. Regimental Losses in the American Civil War 1861-1865: A Treatise on the Extent and Nature of the Mortuary Losses in the United States . . . Albany, NY: Albany Publishing Company, 1889.

Johnson, Robert U., and Clarence C. Buell, eds. Battles and Leaders of the Civil War . . . . 4 Volumes. New York: The Century Company, 1887-88.

Livermore, Thomas L.Numbers and Losses in the Civil War in America 1861-65. Reprint. Dayton, OH: Morningside House, Inc., 1986.

U.S. Surgeon General's Office. Chronological Summary of Engagements and Battles [Civil War]. Washington, DC: The Government Printing Office, 1873.

U.S. War Department. The War of the Rebellion: A Compilation of the Official Records of the Union and Confederate Armies. 70 Volumes in 128. Washington, DC: The Government Printing Office, 1880-1901.

#### description

title Battle summary

type string

format default

Short text summary of the battle. CWSAC documentation

A historical account or summary of the battle. A variety of sources, both general and specific, published and in manuscript, were consulted in the preparation of these accounts. The general sources consulted include those listed below. More specific published and manuscript sources were also consulted and analyzed.

The Conservation Fund. The Civil War Battlefield Guide. Edited by Frances H. Kennedy. Boston, MA: Houghton Mifflin Company, 1990.

Great Battles of the Civil War. By the editors of Civil War Times Illustrated. New York: Gallery Books, 1984.

Historical Times Illustrated Encyclopedia of the Civil War. Edited by Patricia L. Faust. New York: Harper & Row, Publishers, 1986.

Johnson, Robert U., and Clarence C. Buell, eds. Battles and Leaders of the Civil War . . . . 4 Volumes. New York: The Century Company, 1887-88.

Long, E.B., compiler. The Civil War Day by Day: An Almanac 1861-1865. Garden City, NY: Doubleday & Company, Inc., 1971.

U.S. National Archives. A Guide-Index to the Official Records of the Union and Confederate Armies. Edited and compiled by Dallas Irvine, et al. Washington, DC: The Government Printing Office, 1968-1980.

U.S. Naval History Division. Civil War Naval Chronology, 1861-1865. Washington, DC: The Government Printing Office, 1971.

U.S. Navy Department. Official Records of the Union and Confederate Navies in the War of the Rebellion. Multivolumes. Washington, DC: The Government Printing Office, 1894-1927.

U.S. War Department. The War of the Rebellion: A Compilation of the Official Records of the Union and Confederate Armies. 70 Volumes in 128. Washington, DC: The Government Printing Office, 1880-1901.

#### preservation

title Preservation Priority

type string

format default

A designation made by the Commission based on the level of historical significance, the integrity of the remaining battlefield features, and the level of threat to the battlefield's existence. For example, IV.1 (Class D) means that the Commission determined that a particular battlefield site was Priority IV: Fragmented Battlefields, All Military Classes, Poor Integrity. (See Table 7, pages 49-53 in the Report on the Nation's Civil War Battlefield, for the preservation priority of all the battlefields studied.) Class A, B, C, or D indicates a battle's (and associated battlefield's) level of military importance within its campaign and the war. (See page v of this volume for an explanation of each of the four designations.) N/D indicates that no data is currently available to determine the level of threat to the site.

#### significance

title Military significance type string format default constraints enum ['A', 'B', 'C', 'D']

Four-category classification of the military significance of the battle.

#### strength\_mean

title Strength (mean)

type number

format default

constraints

#### $\mathbf{minimum} \ \mathbf{0}$

Mean of the estimated strength in personnel of the force. See code for how it is calculated.

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# strength\_var

title Strength (variance)

type number

format default

constraints

minimum 0

Variance of the estimated strength in personnel of the force. See code for how it is calculated. Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# CWSAC Report battle data: campaigns

name cwsac\_campaigns

path cwsac\_campaigns.csv

format csv

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# Schema

campaign	string	Campaign
theater	string	Theater
start_year	integer	Start year
start_month	integer	Start month
end_year	integer	End year
end_month	integer	End Month
dbpedia	string	dbpedia

# campaign

title Campaign

type string

format default

Campaign name

### theater

title Theater

type string

format default

Theater of the campaign

### start\_year

title Start year

type integer format default

constraints

minimum 1861

maximum 1865

#### start\_month

title Start month

type integer

format default

constraints

minimum 1

maximum 12

#### end\_year

title End year

type integer

format default

constraints

minimum 1861

maximum 1865

## end\_month

title End Month

type integer

format default

constraints

minimum 1

maximum 12

# dbpedia

title dbpedia

type string

format default

URI of the dbpedia.org resource for the campaign

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# CWSAC Report (1993) battle data: commanders

name cwsac\_commanders

 $path \ cwsac\_commanders.csv$ 

format csv

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# Schema

battle	string	battle
belligerent	string	belligerent
fullname	string	fullname
rank	string	rank
navy	integer	navy
first_name	string	first_name
last_name	string	last_name
middle_name	string	middle_name
suffix	string	suffix

#### battle

title battle

type string

format default

# belligerent

title belligerent

type string

format default

#### fullname

title fullname

type string

format default

### rank

title rank

type string

format default

#### navy

title navy type integer

format default

# first\_name

title first\_name
type string
format default

## last\_name

title last\_name
type string
format default

## middle\_name

title middle\_name type string format default

## suffix

title suffix

type string

format default

# CWSAC Report (1993) battle data: forces

name cwsac\_forces

path cwsac\_forces.csv

format csv

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# Schema

battle	string	Battle
belligerent	string	belligerent
description	string	description
strength_min	number	strength_min
strength_max	number	strength_max
armies	number	armies
corps	number	corps
divisions	number	divisions
brigades	number	brigades
regiments	number	regiments
companies	number	companies
cavalry_regiments	number	cavalry_regiments
cavalry_brigades	number	cavalry_brigades
cavalry_corps	number	cavalry_corps
cavalry_divisions	number	cavalry_divisions
artillery_batteries	number	artillery_batteries
ships	number	ships
ironclads	number	ironclads
gunboats	number	gunboats
wooden_ships	number	wooden_ships
rams	number	rams
casualties	number	casualties
killed	number	killed
wounded	number	wounded
missing	number	missing
captured	number	captured
strength_mean	number	strength_mean
strength_var	number	strength_var

# battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

# belligerent

title belligerent

type string

format default

#### constraints

enum ['US', 'Confederate', 'Native American']

Side of the force: Confederate or Union or Native American.

## description

title description

type string

format default

Description of the force, often including the units involved.

#### strength\_min

title strength\_min type number format default Minimum forces engaged.

#### strength\_max

title strength\_max type number format default Maximum sources engaged.

### armies

title armies type number format default

#### corps

title corps type number format default

#### divisions

title divisions type number format default

# brigades

title brigades type number format default

# regiments

title regiments type number format default

#### companies

title companies type number format default

## cavalry\_regiments

title cavalry\_regiments
type number

format default

# cavalry\_brigades

title cavalry\_brigades type number format default

#### cavalry\_corps

title cavalry\_corps type number format default

# cavalry\_divisions

title cavalry\_divisions
type number
format default

# artillery\_batteries

title artillery\_batteries
type number
format default

# ships

title shipstype numberformat default

## ironclads

title ironclads

type number

format default

# gunboats

title gunboats

type number

format default

## wooden\_ships

title wooden\_ships type number format default

#### rams

title rams

type number

format default

#### casualties

title casualtiestype numberformat default

# killed

title killed type number format default

#### wounded

title woundedtype numberformat default

# missing

title missing

type number

format default

# captured

title captured

type number

format default

# strength\_mean

title strength\_mean type number format default

#### strength\_var

title strength\_var
type number
format default

# CWSAC Report (1993) preservation priority categories

name cwsac\_preservation

path cwsac\_preservation.csv

format csv

Sources: [CWSAC1993], [CWSAC1997]

# Schema

value	string	Value
description	string	Description

#### value

title Value

type string

format default

### description

title Description

type string

# CWSAC Report Updates battle data: military significance categories

```
name cwsac_significance
path cwsac_significance.csv
format csv
```

Military significance categories of CWSAC battles (*CWSAC Report battle data: battles*). Sources: [*CWSAC1993*], [*CWSAC1997*], [*CWSAC\_by\_state*], [*CWSAC\_by\_campgn*]

## Schema

value	string	Value
description	string	Description

#### value

title Value

type string

format default

## description

title Descriptiontype stringformat default

# CWSAC Report (1993) theaters

name cwsac\_theaters

path cwsac\_theaters.csv

format csv

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

# Schema

theater	string	Theater
dbp_resource	string	DBPedia URI
dbp_category	string	DBPedia URI (category)

#### theater

title Theater

type string

format default

#### dbp\_resource

title DBPedia URI

type string

format url

URI of the dbpedia.org category resource for the theater.

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

### dbp\_category

title DBPedia URI (category)

type string

format url

URI of the dbpedia.org category resource for the theater.

Sources: [CWSAC1993], [CWSAC1997], [CWSAC\_by\_state], [CWSAC\_by\_campgn]

## CWSS battle data: units engaged

**name** cwss\_battle\_units

path cwss\_battle\_units.csv

format csv

Units engaged in each battle in *CWSS battle data: battles* on each side. These units correspond to units in *CWSS units* (*regiments*), and are largely at the size of the regiment. This data does not include naval forces.

This data was extracted from the CWSS database file battleunitlinks.xml.

The primary sources of the battle unit data are Frederick Dyer (1908), *A Compendium of the War of the Rebellion* for the Union forces, and Joseph Crute *Units of the Confederate States Army* for Confederate Units. While these data appear relatively complete for the Union, they do not appear to be complete for the Confederate battles. Many battles have missing data on the Confederate side (e.g. Gettysburg), and even within battles, there are sometimes fewer Confederate units than would be expected.

Sources: [CWSS]

# Schema

BattlefieldCode	string	Battlefield code
Comment	string	Comment
Source	string	Source
UnitCode	string	Unit code
companies	number	companies
batteries	number	batteries
detachment	number	detachment
section	number	section

#### BattlefieldCode

title Battlefield code

type string

format default

#### constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

#### Comment

title Comment type string

format default

### Source

title Source

type string

format default

#### UnitCode

title Unit code

type string

format default

#### companies

title companies type number format default

#### batteries

title batteries

type number

## detachment

title detachment

type number

format default

## section

title section

type number

## CWSS battle data: battles

name cwss\_battles

path cwss\_battles.csv

format csv

Battles of the Civil War Soldiers and Sailors (CWSS) database. These battles are largely the same set as in the CWSAC Report (*CWSAC Report battle data: battles*) with a few exceptions, some of which appear to be errors.

This data was extracted from the CWSS database file battle.xml.

Sources: [CWSS]

## Schema

BattlefieldCode	string	Battlefield code
BattleName	string	Battle name
BattleType	string	Battle type
BeginDate	date	Begin date
EndDate	date	End date
State	string	State
TheaterCode	string	TheaterCode
CampaignCode	string	CampaignCode
Result	string	Result
TotalCasualties	integer	TotalCasualties
Comment	string	Comment
ID	integer	ID
ShortSummary	string	Short summary
ShortSummarySource	string	Short summary source
Summary	string	Summary
SummarySource	string	Summary source
URL	string	URL

#### BattlefieldCode

title Battlefield code

type string

format default

#### constraints

minLength 5

maxLength 6

pattern  $[A-Z]{2}[0-9]{3}[A-Z]?$ 

CWSAC battle identifier

#### **BattleName**

title Battle name type string

format default

## BattleType

title Battle typetype stringformat default

#### **BeginDate**

title Begin date type date

format default

#### EndDate

title End date type date format default

#### State

title State type string format default constraints minLength 2 maxLength 2 pattern [A-Z][A-Z]

#### TheaterCode

title TheaterCode type string format default

## CampaignCode

title CampaignCode type string format default

### Result

title Result type string

format default

## **TotalCasualties**

title TotalCasualties

type integer

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

## Comment

title Commenttype stringformat default

#### ID

title ID type integer format default

### **ShortSummary**

title Short summary
type string
format default

#### ShortSummarySource

title Short summary source
type string
format default

#### Summary

title Summarytype stringformat default

#### SummarySource

title Summary source type string format default

## URL

title URL

type string

format url

# CWSS campaign list

name cwss\_campaigns

path cwss\_campaigns.csv

format csv

Campaigns of CWSS battles. Each battle in CWSS battle data: battles has a campaign, and each campaign has a theater in CWSS theaters.

This data was extracted from the CWSS database file battle.xml.

Sources: [CWSS]

# Schema

CampaignCode	string	Campaign code
CampaignName	string	Campaign name
CampaignDates	string	Campaign dates
CampaignStartDate	date	Campaign start date
CampaignEndDate	date	Campaign end date
TheaterCode	string	Theater code

### CampaignCode

title Campaign code

type string

### CampaignName

title Campaign name type string format default

### **CampaignDates**

title Campaign datestype stringformat default

### CampaignStartDate

title Campaign start datetype dateformat default

## CampaignEndDate

title Campaign end date type date format default

## TheaterCode

title Theater codetype string

# CWSS unit category abbreviations

```
name cwss_categories
path cwss_categories.csv
format csv
```

Category abbreviations used in CWSS units (regiments).

- "SCharacter": Abbreviations used in the CWSS units (regiments) column special
- "Unitype": Abbreviations used in the CWSS units (regiments) column type
- "Function": Abbreviations used in the CWSS units (regiments) column func

This is a slightly modified version of the CWSS database table  ${\tt Category}.$ 

Sources:

## Schema

category	string	category
abbr	string	abbr
description	string	Description

#### category

title category

type string

format default

constraints

enum ['SCharacter', 'Unittype', 'Function']

If "SCharacter", an abbreviation for the column special (special units). If "Function", an abbreviation for the column function (function of the unit). If "Unitype", an abbreviation fo the column type in *CWSS units (regiments)*.

#### abbr

title abbr type string format default constraints minLength 1 maxLength 1 pattern [A-Z0]

Abbreviations appearing in columns special, function, and type of the table CWSS units (regiments).

#### description

title Descriptiontype stringformat default

# CWSS battle data: principal commanders

```
name cwss_commanders
```

path cwss\_commanders.csv

format csv

Principal commanders of the battles in the CWSS database. Each side in a battle in CWSS battle data: battles has one or more commanders. These commanders are largely the same as those in CWSAC Report (1993) battle data: commanders and CWSAC Report Updates: commanders with some differences for unknown reasons.

This data was extracted from the CWSS database file battle.xml.

Sources: [CWSS]

## Schema

BattlefieldCode	string	Battlefield code
belligerent	string	belligerent
commander_number	integer	Commander number
commander	string	Commander ID

### BattlefieldCode

title Battlefield code

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

#### belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

#### commander\_number

title Commander number

type integer

format default

Number of the commander for each side? This does not indicate relative rank of the commanders, but is to serve as a unique ID of the commander when there are multiple commanders on a side in a battle.

#### commander

title Commander ID type string format uuid

Unique commander identifier corresponding to the PersonID in CWSS people.

## CWSS battle data: forces

name cwss\_forces
path cwss\_forces.csv
format csv
Force strength and casualty data from the CWSS database.

This was extracted from the CWSS database file battle.xml.

Sources: [CWSS]

## Schema

BattlefieldCode	string	BattlefieldCode
belligerent	string	belligerent
TroopsEngaged	integer	Troops engaged
Casualties	integer	Casualties

#### BattlefieldCode

title BattlefieldCode

type string

format default

constraints

minLength 5

maxLength 6

pattern  $[A-Z]{2}[0-9]{3}[A-Z]?$ 

#### CWSAC battle identifier

#### belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

## TroopsEngaged

title Troops engaged

type integer

format default

constraints

minimum 0

Number of troops engaged. A value of "0" means missing.

### Casualties

title Casualties type integer format default constraints minimum 0

Number of troops engaged. A value of "0" can mean *either* missing or that there were zero casualties.

# **CWSS** people

name cwss\_people

path cwss\_people.csv

format csv

People appearing in the CWSS data. Each observation is a person. These are mostly commanders of battles in *CWSS battle data: principal commanders*.

This is a modified version of the CWSS database file persons.xml.

Sources: [CWSS]

## Schema

PersonID	string	PersonID
ID	integer	ID
LastName	string	LastName
Suffix	string	Suffix
FirstName	string	FirstName
MiddleName	string	MiddleName
MiddleInitial	string	MiddleInitial
Rank	string	Rank
Bio	string	Bio
BioSource	string	BioSource
NarrativeLink1	string	NarrativeLink1
NarrativeLink2	string	NarrativeLink2

#### PersonID

title PersonID

type string format uuid

#### ID

title ID type integer format default

### LastName

title LastNametype stringformat default

### Suffix

title Suffix

type string

format default

### **FirstName**

title FirstNametype stringformat default

### MiddleName

title MiddleNametype stringformat default

### MiddleInitial

title MiddleInitial type string format default

#### Rank

title Rank type string format default

## Bio

title Bio type string format default

#### BioSource

title BioSource type string format default

## NarrativeLink1

title NarrativeLink1
type string
format default

## NarrativeLink2

title NarrativeLink2
type string

# CWSS people data: kewyords

**name** cwss\_people\_keywords

path cwss\_people\_keywords.csv

format csv

Sources:

# Schema

PersonID	string	PersonID
Keyword	string	Keyword

#### PersonID

title PersonID

type string

format uuid

CWSS person identifier. See CWSS people.

## Keyword

title Keyword

type string

# CWSS units (regiments)

name cwss\_regiments\_units

path cwss\_regiments\_units.csv

format csv

List of combat units. These are mostly, but not exclusively, regiments, and are the units appearing in battles in *CWSS* battle data: units engaged.

This is a modified version of the CWSS database table Unitz.

Sources:

# Schema

string	unit_code
string	Side
string	State
string	ordinal
string	Туре
string	Special
number	duplicate
string	ethnic
string	Unit name
string	Notes
string	func
	string string string string number string string string

#### unit\_code

title unit\_code
type string

format default

#### side

title Side

type string

format default

constraints

enum ['US', 'Confederate']

Side of each force

#### state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z]{2}

Home state of the unit. This includes codes for "non-states", e.g. US for US Colored troops, and UR for US Regular Army. See *CWSS unit state names* for the abbreviations.

#### ordinal

title ordinal

type string

format default

Ordinal number of the unit, if any. E.g. 1 for the 1st New York Infantry Regiment.

#### type

title Type

type string

format default

Type (size) of the unit. E.g. regiment, company, battalion, squadron. See *CWSS unit category abbreviations* for the abbreviations.

#### special

title Special

type string

format default

Codes for special units, e.g. Marine, Home Guard, Heavy Artillery, Light Artiller, State. See *CWSS unit category abbreviations* for the abbreviations.

#### duplicate

title duplicate

type number

format default

#### ethnic

title ethnic

type string

format default

Indicator for "ethnic" units: C if colored, I if Native American. See CWSS unit category abbreviations for the abbreviations.

#### unit\_name

title Unit nametype stringformat default

#### notes

title Notes

type string format default

#### func

title func

type string

format default

Unit function. This column is practically a duplicate of arm; I am unsure of the difference.

# CWSS unit state names

```
name cwss_state_names
```

path cwss\_state\_names.csv

format csv

Descriptions of the unit type associated with the state abbreviations of units in CWSS battle data: units engaged column state.

This is a modified version of the CWSS database table *State\_Name*.

Sources:

# Schema

abbr	string	Abbreviation
name	string	Name

#### abbr

title Abbreviation
type string
format default
constraints
minLength 2
maxLength 2
pattern [A-Z]{2}

#### name

title Nametype stringformat default

## **CWSS** theaters

name cwss\_theaters
path cwss\_theaters.csv
format csv

Theaters of the war used in *CWSS battle data: battles*. The National Park Service divides the American Civil War into five theaters: Eastern, Western, Lower Seaboard, Trans-Mississippi, and Pacific.

This data was extraced from the CWSS database file <code>battle.xml</code>.

Sources: [CWSS]

## Schema

TheaterCode	string	Theater code
TheaterName	string	Theater name

#### TheaterCode

title Theater code

type string

format default

#### **TheaterName**

title Theater name type string format default

### **CWSS Unit Titles**

name cwss\_unit\_tiles

path cwss\_unit\_tiles.csv

format csv

Sources:

### Schema

state	string	state
side	string	side
title	string	Unit Title

### state

title state

type string

format default

constraints

pattern [A-Z]{2}

2-letter abbreviation of the state or unit type. This includes more than states, e.g. US for Union Colored troops, and UR for Union regular army.

### side

title side

type string format default

### title

title Unit Title type string format default Unit type

### Dyer (1908) list of battles

name dyer\_engagements

path dyer\_engagements.csv

format csv

Engagements and casualties in Frederick Dyer Compendium of the War of the Rebellion (1908)

This contains the engagements listed in Dyer's *Compendium*, "Part II: Chronological Arrangement of the Campaigns, Battles, Engagements, Actions, Combats, Sieges, Skirmishes, Etc., in the United States, Connected with the War of the Rebellion, 1861 to 1865." Dyer's list is a tabular version of the engagements reported in the *Official Records of the War of the Rebellion*. For each engagement it notes the location, type of engagement (action, skirmish, etc.), Union units engaged in the action, and Union casualties. It does not provide any information

Dyer's description of the engagements was as follows (p. 581),

Campagains, Battles, Engagements, Skirmishes, etc. showing Union troops engaged in each event.

This list shows loss of only such campaigns, battles, skirmishes, etc., as were, in this particular, officially reported. The losses of many actions, skirmishes, erc. occuring in the various campaigns were included in the final statement of the campaign, making it impossible to give accurately the loss in each event. Many of the skirmishes and other events show no loss whatever, or report none. All important campaigns, battles, raids, etc., will be found on this list, however, showing losses as officially reported.

The data for events 1-9570 were extracted from the digitalized version of the battles in Tufts University's Perseus Digital Library. This corresponds to pages 662-991 of Dyer's *Compendium*, ignoring indexes.

Events 9570+ were entered by hand from the original copy of Dyer's Compendium since the Perseus digitalized version of Dyer's Compendium did not include entries for events in "The Territories" and "Miscellaneous" (p. 984–991).

Sources: [DyerBattles], [dyer1908\_war\_rebel]

### Schema

battle_id	integer	battle_id
event_type	string	Event type
state	string	State
year	integer	Year
battle_name	string	Battle Name
start_date	date	Start Date
end_date	date	End date
text	string	Text
casualties	integer	Casualties
killed	integer	Killed
wounded	integer	Wounded
killed_wounded	number	Killed or Wounded
missing_captured	number	Missing Captured

### battle\_id

title battle\_id

type integer

format default

### event\_type

title Event typetype stringformat default

Event type: action, skirmish, siege, etc

### state

title State

type string

format default

constraints

#### pattern [A-Z]{2}

State in which the event occurred. This uses the standard two letter abbreviations with the following exceptions.

- "DT": Dakota Territory
- "OK": anachronistically used for the Indian Territory
- "FR": France
- "MX": Mexico

### year

title Year type integer format default constraints minimum 1860 maximum 1865

Year of the event.

### battle\_name

title Battle Name type string format default

### start\_date

title Start Datetype dateformat default

### end\_date

title End datetype dateformat default

### text

title Text

type string

format default

Original text of the engagement, including the Union forces involved.

### casualties

title Casualties type integer format default constraints

#### minimum 0

Union casualties (killed, wounded, and missing or captured).

### killed

title Killed type integer format default constraints minimum 0

Union killed

### wounded

title Wounded

type integer

format default

constraints

minimum 0

Union wounded

### killed\_wounded

title Killed or Wounded

type number

format default

constraints

minimum 0

Union killed or wounded

### missing\_captured

title Missing Captured

type number

format default

constraints

minimum 0

Union missing or captured

# Chronology of Some Important Civil War Dates from Eicher and Eicher (2001)

name eicher\_chronology

path eicher\_chronology.csv

format csv

Events from the "Chronology of Some Important Civil War Dates" from *Civil War High Commands* by John H. Eicher and David J. Eicher (2001), pp. 895–918.

The description of events including in this list is

> Most military expeditions, reconnaissances, and raids are listed under the > place names of locations involved rather than by the commanders' names. > Roman numerals are appended to non-successive events which are known by the > same name, such as Bull Run I (1861) and Bull Run II (1862); alternate names > and related actions are placed in parentheses. A survey of Civil War > chronologies yields at least thirty types of military operations between the > opposing forces ranging from battles and engagements to skirmishes and raids. > These types of operations are neither precisely defined nor carefully > differentiated, but yield a total of more than 11,000 military actions, > probably closer to 8,000 when duplications are removed. > An approximation by years gives the following distribution: 1861 (7%), 1862. > (2.5%), 1863 (2.8%), 1864 (34%), and 1865 (6%).

Sources: [Eicher2001]

### Schema

date	date	Date
event	string	Event
superevent	string	superevent
subevent	string	subevent

### date

title Datetype dateformat default

### event

title Event type string format default Description of the event.

### superevent

title supereventtype stringformat default

### subevent

182

title subeventtype stringformat default

### Eicher table of unit sizes

name eicher\_units\_table

path eicher\_units\_table.csv

format csv

Sources: [eicher2002civil]

### Schema

belligerent	string	belligerent
infantry	integer	infantry
unit type	string	unit type
low	integer	low
high	integer	high
avg	number	avg
mode	integer	mode
page	integer	page

### belligerent

title belligerent

type string

format default

### infantry

title infantry

type integer

format default

### unit type

title unit type

type string

format default

### low

title low

type integer

format default

### high

title high type integer format default

### avg

title avgtype numberformat default

### mode

title mode

type integer

format default

### page

title page type integer format default

Page number in Eicher and Eicher (2002)

### Fox (1898) battle casualties (revised)

name fox\_forces
path fox\_forces.csv
format csv

Data from William F. Fox Regimental Losses in the American Civil War, 1861-1865: A Treatise on the extent and nature of the mortuary losses in the Union regiments, with full and exhaustive statistics compiled from the official records on file in the state military bureaus and at Washington, Chapter 14 "The Greatest Battles of the War, list of victories and defeats, chronological list of battles with loss in each, Union and Confederate", p. 543–.

Available from Perseus. The unit of observation is the force (battle, belligerent), because the reporting of casualties for durations and locations differs between the Union and Confederate forces.

This data is similar to *Fox (1898) battle casualties (revised)*, but differs in some revisions, which largely come from the notes in the souce table.

- removed aggregate rows for Union casualties in Atlanta Campaign and Seven Day's Battle
- fn 8. Split Chancellorsville into casualties for Chancellorsville (VA032) and VA033 VA034
- fn 24. Split Chattanooga into Orchard's Knob on 11/23, Lookout Mountain on 11/24 and Missionary Ridge on 11/25. The footnote only gives total casualties for 11/23 and 11/24, so I assume a constant proportion of K/W/M for all days.
- fn 25. Split Atlanta Campaign into the components in the footnote. Remainder is assigned to "Lattimore's Mill; Powder Springs, etc".
- fn 27. Split Atlanta Campaign into the components in the footnote. It's unclear which entries to assign to the Marietta Operations.
- fn 28. Split Atlanta campaign into the components in the footnote. Remainder assigned to the Siege of Atlanta. I'm not sure what the Siege of Atlanta refers to so I assign it to the Jonesboro (GA020) and Lovejoy Station (GA021)
- Split Spotsylvania into the components in the footnote.
- fn 29. The note says Jonesboro and Lovejoy Station, but Jonesboro happened on Aug 20, so it cannot be included in this row.

- fn 70. Split Seven Days Battle into the component battles.
- fn 74. Added the 90 casualties from White's battalion.

Fox lists alternate casualty figures for Confederates at Gettysburg that I don't use.

The records on file at Washington bear the names of 6,802 wounded, and 5,425 unwounded Confederates captured at Gettysburg. The official reports of Longstreet, Ewell, Hill, and Stuart indicate a loss (after making necessary deductions) of 2,701 killed, 12,739 wounded, 7,528 missing; total, 22,968.

See Fox (1898) battle casualties (revised) for more detail on the Fox data.

- Union and Confederate casualties for Front Royal and Winchester, Va. (1862-5-23 to 1862-5-25) combines the battles of Front Royal (1862-5-23) and Winchester I (1862-5-25)
- Union and Confederate casualties for Manassas, Va. (1862-8-16 to 1862-8-31) combines battles from Rappahannock through
- Union entry for Marye's Heights and Salem Church (1863-5-3 to 1863-5-4) combines the battles of Fredericksburg II and Salem Church
- Union casualties are given for the entire Siege of Suffolk, Va. (1863-4-11 to 1863-4-30) which includes VA030 and VA031
- · For Vicksburg, Union casualties are divided into
  - Assault on Vicksburg, Miss. (1863-5-19)
  - Assault on Vicksburg, Miss. (1863-5-22)
  - Vicksburg Trenches, Miss. (1863-5-23 to 1863-7-4)
- For Port Hudson, Union casualties are divided into
  - Assault on Port Hudson, La. (1863-5-27)
  - Assault on Port Hudson, La. (1863-6-14)
  - Port Hudson Trenches, La. (1863-5-26 to 1863-7-9)
- Morgan's Raid, Ky. (1863-7-2 to 1863-7-26) includes several battles
- U120: Siege of Fort Wagner, S. C. (1863-7-1 to 1863-7-31) does not quite correspond to any of the CWSAC Charleston battles.
- Union casualties for Spotsylvania Court house are given for the entire battle: and on separate days.
  - Spotsylvania, Va. (1864-5-8 to 1864-5-21)
  - Alsop's Farm (Spotsylvania) (1864-5-8)
  - Po River, Laurel Hill, and Upton's Charge (Spotsylvania) (1864-5-10)
  - Hancock's Assault, the "Angle", and general attack of May 12 (Spotsylvania) (1864-5-12)
  - Spotsylvania (Spotsylvania) (1864-5-18)
  - Fredericksburg Pike (Spotsylvania) (1864-5-19)
  - Todd's Tavern; Corbin's Bridge; Ny River; Guinea Station etc. (Spotsylvania) (1864-5-8 to 1864-5-21)
- Wilson's Raid, Va. (1864-6-22 to 1864-6-29) includes several battles
- Union casualties for Smithfield Crossing (WV015) are given for separate days. Battles of Halltown, VA on Aug 24 and Aug 26 may also be part of this battle, but it is unclear if they are the same engagement.
- Union casualties for Wilmington (NC016) is split into
  - Sugar Loaf Battery, N. C. (1865-2-11)

- Town Creek, N. C. (1865-2-20)
- Union Casualties for Fort Stedman, VA (1865-03-25) [VA084] is split into
  - Fort Stedman, Va. (1865-3-25)
  - Petersburg, Va. (1865-3-25)
- Union casualties for Chattanooga III, TN (1863-11-23 to 1863-11-25) [VA024] is split into
  - Missionary Ridge (Chattanooga, Tenn) (1863-11-25)
  - Orchard Knob (Chattanooga, Tenn) (1863-11-23)
  - Lookout Mountain (Chattanooga, Tenn) (1863-11-24 to 1865-11-24)
- Confederate casualties for Maryland Campaign, Md (1862-9-12 to 1862-9-20) combines several battles.
- Confederate casualties for Corinth, Miss. (1862-10-3 to 1862-10-5) includes both Corinth [MS002], and the battle of Hatchie's Bridge [TN007] on Oct 5th. These Union casualties only includes the Battle of Corinth (Oct 3-4, 1862).
- Confederate casualties for Springfield; Hartsville, Mo. (1863-1-2 to 1863-1-11) combines the battles of Spring-field (Jan 8) [MO018] and Hatville (Jan 9-11) [MO019]. Union casualties are given separately for each battle.

Sources: [fox1898regimental]

### Schema

	-	
battle_id	string	Battle Id.
belligerent	string	belligerent
battle_name	string	Battle name
start_date	date	start_date
end_date	date	end_date
state	string	State
killed	integer	Killed
wounded	integer	wounded
missing	integer	missing
casualties	integer	casualties
aggregregates_battles	string	aggregregates_battles
comment	string	comment
from_footnote	boolean	from_footnote

Primary Key ['battle\_id']

### battle\_id

title Battle Id.

type string

constraints

pattern [UC][1-9]+[A-Z]?

Unique battle identifier.

### belligerent

title belligerent

type string

format default

constraints

enum ['Confederate', 'US']

### battle\_name

title Battle nametype stringformat default

### start\_date

title start\_date type date format default Start date of the battle

### end\_date

title end\_date type date format default End date of the battle

### state

title State type string format default constraints minLength 2 maxLength 2 pattern [A-Z]{2}

State in which the battle took place.

### killed

title Killed

type integer

format default

constraints

minimum 0

Number killed

### wounded

title wounded

type integer

format default

constraints

minimum 0

Number wounded

### missing

title missing

type integer

format default

constraints

minimum 0

Number missing

### casualties

title casualties

type integer

format default

constraints

#### minimum 0

Number of casualties (killed, wounded, and missing)

### aggregregates\_battles

title aggregregates\_battles

type string

format default

For observations that aggregate battles from a campaign, the IDs of those observations. The IDs are space separated.

### comment

title comment

type string

format default

Comments attached to the observation. These are generally footnotes from the original source.

### from\_footnote

title from\_footnote
 type boolean
 format default
Was this observation derived from notes in a footnotes?

### Correspondence fox\_forces and CWSAC battles

name fox\_forces\_to\_cwsac

path fox\_forces\_to\_cwsac.json

format json

Correspondence between the observations in the revised Fox battle data (*Fox (1898) battle casualties (revised)*) and the battle identifiers used by the National Park Servie CWSAC (e.g. *CWSAC Report battle data: battles*).

Sources: [fox1898regimental]

### Fox (1898) battle outcomes

name fox\_outcomes

path fox\_outcomes.csv

format csv

Battle outcome from William F. Fox Regimental Losses in the American Civil War, 1861-1865: A Treatise on the extent and nature of the mortuary losses in the Union regiments, with full and exhaustive statistics compiled from the official records on file in the state military bureaus and at Washington. Chapter 14 "The Greatest Battles of the War, list of victories and defeats, chronological list of battles with loss in each, Union and Confederate". Available from Perseus.

Fox categorizes battles by their outcome for a subset of those battles for which casualty figures are provided, in *Fox* (1898) battle casualties (revised). In some cases, the battle definitions are slightly different.

In Chapter 14, p. 541-543 Fox has several tables classifying battles into victories for each side. Both his categories and classifications are similar to Livermore (1900).

In connection with these matters the question naturally arises,-Which were victories, and which were defeats?

To answer fairly and without prejudice would only invite bitter and senseless criticism from both sides. It is too soon to attempt any discussion of this much vexed topic. Still, there are certain conceded facts relative to this matter which one might venture to recall to mind. They may be premised with the military axioms,—that when an army retains possession of the battle field and buries its enemy's dead, it certainly cannot be considered as a defeated army; and that when an army abandons the field, either slowly or in rout, and leaves its dead and wounded in the hands of the enemy, it certainly should not claim a victory.

Fox classifies battle outcomes into the following five categories,

In the following named battles the Union armies remained in undisturbed possession of the field, the enemy leaving many of their wounded, and most of their dead unburied

The Union armies were successful, also, in the following assaults. They were the attacking party, and carried the forts, or intrenched positions, by storm.

In the following battles, the Confederates remained in undisturbed possession of the field, the Union armies leaving its unburied dead and many of its wounded in their hands:

In the following assaults the Confederates successfully repulsed the attacks of the enemy

In the following assaults, or sorties, the Confederates were the attacking party, and were repulsed

With regards to battles not considered, Fox writes,

Other instances on each side could be mentioned, but they would invite discussion and are better omitted. Sources: *[fox1898regimental]* 

### Schema

victor	string	Victor
victory_type	string	Victory type
battle_name	string	Battle name
state	string	State
cwsac_id	string	CWSAC Id.

### victor

title Victor

type string

format default

#### constraints

enum ['Union', 'Confederate']

### victory\_type

title Victory type type string format default constraints enum ['victory', 'assualt', 'defense']

### battle\_name

title Battle nametype stringformat default

### state

title State type string format default

#### constraints

minLength 2 maxLength 2 pattern [A-Z]{2}

### cwsac\_id

title CWSAC Id.

type string

format default

constraints

pattern [A-Z]{2}[0-9]{3}[A-Z]?

Battle identifier in CWSAC (CWSAC Report battle data: battles).

Sources: [fox1898regimental]

Weekly casualty data from Greer "Counting Casualties Week-by-Week"

**name** greer2005\_weekly\_casualties

path greer2005\_weekly\_casualties.csv

format csv

Weekly casualties from Greer (2005) Counting Casualties Week by Week

Weekly casualty data for the American Civil War from Darroch Greer (2005) *Counting Civil War Casualties, Week-By-Week, For The Abraham Lincoln Presidential Library and Museum*, http://www.brcweb.com/alplm/BRC\_Counting\_Casualties.pdf. Greer primarily relies upon the casualty figures from Kennedy *The Civil War Battlefield Guide*, with adjustments for non-battle casualties.

Sources: [Greer2005]

### Schema

date	date	date
description	string	Description
confederate	number	Confederate casualties
union	integer	Union casualties
theater	string	theater
cwsac_id	string	Cwsac Id.
cwsac_battle_name	string	Cwsac Battle Name

### date

title date

type date

format default

Casualties are given by week. This is the first day of that week period.

### description

title Description

type string

format default

Description of the casualties. This can either be a battle or "attrition" (for non-battle casualties).

### confederate

title Confederate casualties

type number

format default

constraints

minimum 0

### union

title Union casualties type integer format default constraints minimum 0

### theater

title theater type string format default constraints enum ['Lower Seaboard', 'Trans-Mississippi', 'Eastern', 'Western']

Theater in which the combat casualties occurred.

#### cwsac\_id

title Cwsac Id.

type string

format default

CWSAC battle associated with the casualties.

### cwsac\_battle\_name

title Cwsac Battle Name

type string

format default

Name of the CWSAC battle associated with the casualties.

### Civil War Battlefield Guide data: battles

name kennedy1997\_battles

path kennedy1997\_battles.csv

format csv

Kennedy (1997) battle data

Data from

Frances H. Kennedy and the Conservation Fund (1998) "The Civil War Battlefield Guide", http://books.google.com/books?id=qHObJArDHZMC.

The battles in this source correspond to the CWSAC battles and have use the same identifiers. However, in a few cases, casualty totals for several battles are aggregated.

Although Kennedy largely follows the CWSAC battle definitions, there are a few differences:

- In several battles, although the descriptions and battle-level data are separate, the casualties are combined.
  - VA031 includes VA030, VA031
  - VA032 includes VA033, VA033, VA035
  - VA038 includes VA036, VA037, VA038
- VA112 "Battle of St. Mary's Chuch" is VA066 in CWSAC.

#### Corrections:

• The casualties for US and CS forces were inverted for TX005.

Sources: [KennedyConservation1998]

### Schema

Primary Key ['battle\_id']

battle_id	string	Battle
battle_name	string	Battle name
state	string	state
county	string	county
start_date	date	Start Date
end_date	date	End Date
casualties_min	integer	Casualties (min)
casualties_max	integer	Casualties (max)
casualties_text	string	Casualties
cwsac_id	string	CWSAC Id

### battle\_id

title Battle

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

Battle identifier

### battle\_name

title Battle nametype stringformat default

### state

title state type string format default constraints minLength 2 maxLength 2 pattern [A-Z][A-Z]

### county

title county type string format default

Counties in which the battle took place.

### start\_date

title Start Datetype dateformat default

### end\_date

title End Date type date

format default

### casualties\_min

title Casualties (min) type integer format default constraints minimum 0

Total casualties (killed, wounded, and missing or captured) for both sides, minimum value. For a few battles a total casualty value is given, while no disaggregated casualties are provided. This source only gives a range for a few battles. For battles where no range is given, the minimum and maximum are set to the same value.

### casualties\_max

title Casualties (max)

type integer

format default

constraints

#### minimum 0

Total casualties (killed, wounded, and missing or captured) for both sides, maximum value.

### casualties\_text

title Casualtiestype stringformat default

### cwsac\_id

title CWSAC Id type string format default

constraints

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifiers of the battles. These are almost the same as the Kennedy identifiers with a few exceptions. All battles are one-to-one mappings onto the CWSAC battles.

### Civil War Battlefield Guide data: forces

name kennedy1997\_forces

path kennedy1997\_forces.csv

format csv

Kennedy (1997) casualty data

Force level data on casualties from Frances H. Kennedy (1997) *The Civil War Battlefield Guide*. See *Civil War Battlefield Guide data: battles* for more information.

Sources: [KennedyConservation1998]

### Schema

Primary Key ['battle\_id', 'belligerent']

battle_id	string	Battle
belligerent	string	belligerent
casualties_min	integer	Casualties (min)
casualties_max	integer	Casualties (max)
killed_wounded_min	integer	Killed or Wounded (min)
killed_wounded_max	integer	Killed or Wounded (max)
missing	integer	Missing or captured
aggregate	boolean	Is aggregate?
battles_aggregated	string	Battles aggregated

### battle\_id

title Battle

type string

format default constraints minLength 5 maxLength 6 pattern [A-Z]{2}[0-9]{3}[A-Z]? identifier These are almost the same as the K

Battle identifier These are almost the same as the Kennedy identifiers with a few exceptions. See the field cwsac\_id for the CWSAC identifier.

#### belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

#### casualties\_min

title Casualties (min)

type integer

format default

constraints

minimum 0

Casualties (killed, wounded, and missing or captured), minimum value. This source only gives a range for a few battles. For battles where no range is given, the mimimum and maximum are set to the same value.

### casualties\_max

title Casualties (max)

type integer

format default

constraints

minimum 0

Casualties (killed, wounded, and missing or captured), maximum value.

### killed\_wounded\_min

title Killed or Wounded (min)type integerformat default

#### constraints

#### minimum 0

This source only gives a range for a few battles. For battles where no range is given, the mimimum and maximum are set to the same value.

### killed\_wounded\_max

title Killed or Wounded (max)

type integer

format default

constraints

minimum 0

### missing

title Missing or captured

type integer

format default

constraints

minimum 0

#### aggregate

title Is aggregate?type booleanformat default

True if the casualties data for the battle aggregates the casualties for several battles.

### battles\_aggregated

title Battles aggregated

type string

format default

In a few battles the casualties include several battles. In these cases the identifiers are space separated.

### Mapping between Kennedy (1997) data on forces and CWSAC battles

name kennedy1997\_forces\_to\_cwsac
path kennedy1997\_forces\_to\_cwsac.json
format json

Sources:

## Size of the Union and Confederate Armies (Livermore, 1900)

name livermore\_army\_sizes
path livermore\_army\_sizes.csv
format csv

Size of the Union and Confederate Armies from Livermore (1900)

The table of the aggregate size of the Union and Confederate armies over time. The data come from Table "Comparison of the Foregoing Numbers with the Number on the Union Rolls at the Same Date", on p. 47.

While good documentation is available on the total number of troops serving in the Union military, there is no comparable documentation on the total number of troops serving in the Confederate military. Livermore devotes p. 1-49 to developing the estimates of the size of Confederate Forces which are reported in this table.

The data exclude the columns with averages, and the size of the Confederate army as a percent of the Union army since they can be calculated from the column with the number in each army at each date.

Sources: [Livermore1900]

## Schema

date	date	date
union_number	integer	No. on Union Rolls
confederate_number	integer	No. on Confederate Returns

## date

title date

type date

format default

## union\_number

title No. on Union Rolls type integer format default

## confederate\_number

title No. on Confederate Returns
type integer
format default

## Livermore (1900) battle data: battle list

name livermore\_battles
path livermore\_battles.csv
format csv

Battle data from Livermore (1900) Number and Losses in the Civil War in America, 1861-1865.

Livermore discusses his methodology on pp. 63-77. The sample of battles he uses is all battles in which either side had losses, killed wounded, greater than 1,000.

Livermore is concerned with determining the actual number of troops engaged in battle, i.e. those that actually participated. The majority of the book is devoted to the calculations of the values of the strengths of the forces in each battle.

When discussing the categorization of battles into victories and defeats, Livermore writes,

For further comparison of losses under similar conditions, the 63 battles of Table B may be classified as follows, although discrimination must be made between those which are styled defeats, because some are ranged under this head merely because the field was abandoned; when considered tactically, the retreating army was successful in the battle itself.

Some quirks of the data:

- The Appomattox Campaign is treated as a single battle: Appomattox Campaign, March 29-April 9, 1865
- There is an entry for the full Seven Days Battles (June 25-July 1, 1862) as well as separate entries for
  - Mechanicsville, June 26, 1862
  - Gaines's Mill, June 27, 1862
  - Peach Orchard, Savage Station, June 29, 1862. White Oak Swamp, Glendale, June 30, 1862. Malvern Hill, July 1, 1862
- There are battles for the Assaults on Port Hudson (May 27 and June 14, 1863), but no entry for the entire Siege of Port Hudson. This means that these battles are coded as Confederate victories since the Union failed in these assaults, even though it won the siege.

- There is a battle for the Assault on Vicksburg (May 22, 1863), but no entry for the entire Siege. This means that Vicksburg is coded as a Confederate victory since the Union failed in the assault, even though it won the siege.
- There are separate battles for different days of Spottsylvania (May 10, 12, 1864)
- There is a single battle for the Atlanta Campaign, May, 1864.

Sources: [Livermore1900], [ACAA1994]

## Schema

battle_id	integer	battle_id
par_id	integer	par_id
battle_name	string	Battle name
page	integer	page
start_date	date	Start date
end_date	date	End date
attacker	string	attacker
result	string	result
assault_fortified	string	Assault on fortified lines
assault_outcome	string	Assault outcome
union_result	string	Union result
confed_result	string	Confederate result
state	string	State
theater	string	Theater

## battle\_id

title battle\_id
type integer
format default

## par\_id

title par\_id
type integer
format default

## battle\_name

title Battle nametype stringformat default

## page

title page

type integer

format default

Page in Livermore (1900) in which the battle description appears.

## start\_date

title Start date type date format default

## end\_date

title End datetype dateformat default

## attacker

title attacker

type string

format default

#### constraints

enum ['US', 'Confederate']

Was the Confederate or the US the attacker in the battle? This did not appear directly in Livermore (1900), but is from the PAR database.

Sources: [Livermore1900], [ACAA1994]

## result

title result type string format default constraints

enum ['US', 'Confederate']

Confederate or Union victory. This did not appear directly in Livermore (1900), but is from the PAR database. Sources: [Livermore1900], [ACAA1994]

## assault\_fortified

title Assault on fortified lines

type string

format default

constraints

enum ['US', 'Confederate']

"Confederate" if it was a Confederate assault on Union fortified lines; "US" if it was a Union assault on Confederate fortified lines; missing if it was not an assault on fortified lines. This comes from the Table "Assaults on Fortified Lines" on p. 75.

#### assault\_outcome

title Assault outcome

type string

format default

constraints

enum ['Failure', 'Success', 'Partial Success']

Assault outcome; missing if the battle was not an assault. This comes from the Table "Assaults on Fortified Lines" on p. 75.

### union\_result

title Union result type string format default constraints

enum ['Defeat', 'Retired', 'Rout', 'Victory']

Union result for the battle. Seperate Union and Confederate results are given because the results in the tables are not symmetric. In some cases, one side is missing. In some cases, even if side has a victory, the other side can have a loss or a rout. This comes from the tables "Routs", "Victories", and "Battles Fought to Cover a Prearranged Movement, Pursuing which the Army Retired after Repelling Attack", on p. 76–77.

## confed\_result

title Confederate result type string format default constraints

enum ['Defeat', 'Retired', 'Rout', 'Victory']

Confederate result of the battle This comes from the tables "Routs", "Victories", and "Battles Fought to Cover a Prearranged Movement, Pursuing which the Army Retired after Repelling Attack", on p. 76–77.

### state

title State type string format default constraints minLength 2 maxLength 2 pattern [A-Z][A-Z]

Two-letter abbreviation of the state in which the battle was fought.

## theater

title Theater type string format default constraints

enum ['MW', 'ME', 'LS', 'TM']

CWSAC theater of the battle. See *CWSS theaters*. Sources: *[Livermore1900]*, *[ACAA1994]* 

## Livermore (1900) battle data: commanders

```
name livermore_commanders
```

 $path \ livermore\_commanders.csv$ 

format csv

Principal commanders of the battles listed in Livermore (1900) Numbers and Losses in the Civil War in America.

Livermore does not directly list the principal commander of the battles. These were added for this data. They primarily follow the principal commanders for each battle given by the CWSAC (*CWSAC Report (1993) battle data: commanders*).

Sources: [jrnold]

## Schema

battle_id	integer	battle_id
belligerent	string	belligerent
PersonID	string	PersonID
last_name	string	Last Name
first_name	string	First Name
middle_name	string	Middle Name
middle_initial	string	Middle Initial
rank	string	Rank
navy	Was the commander in the navy?	navy

## battle\_id

title battle\_id type integer format default

## belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

## PersonID

title PersonID

type string

format uuid

CWSS PersonID of the commander. See CWSS people.

## last\_name

title Last Nametype stringformat default

## first\_name

title First Nametype stringformat default

## middle\_name

title Middle Name type string format default

## middle\_initial

title Middle Initial type string format default

## rank

title Rank

type string

format default

## navy

title navytype Was the commander in the navy?format default

## Livermore (1900) battle data: force strengths and casualties

name livermore\_forces

path livermore\_forces.csv

format csv

Sources: [Livermore1900]

## Schema

battle_id	integer	battle_id
belligerent	string	Belligerent
str	integer	str
kia	integer	Killed
wia	integer	Wounded
kw	integer	Killed or Wounded
miapow	integer	Missing or Captured

## battle\_id

title battle\_id

type integer

format default

## belligerent

title Belligerent

type string

format default constraints enum ['US', 'Confederate']

## str

title str type integer format default constraints minimum 0

## kia

title Killed type integer format default

constraints

minimum 0

None

## wia

title Wounded type integer format default constraints minimum 0

## kw

title Killed or Wounded type integer format default constraints minimum 0

Chapter 61. Livermore (1900) battle data: force strengths and casualties

## miapow

title Missing or Captured

type integer

format default

constraints

minimum 0

## Correspondence between Livermore (1900) battles and CWSAC battles

name livermore\_to\_cwsac
path livermore\_to\_cwsac.json
format json
Sources: [Livermore1900]

## List of naval battles

name navalbattles

path navalbattles.csv

format csv

List of naval battles, which navies they involved, and whether they involved land fortifications. These are any battles with a naval component in *Ships in battles*.

Sources: [jrnold]

## Schema

cwsac_id	string	CWSAC Id.
confederate_ships	integer	confederate_ships
us_ships	integer	Union ships
confederate_fortifications	boolean	confederate_fortifications
us_fortifications	boolean	us_fortifications

## cwsac\_id

title CWSAC Id.

type string

format default

constraints

pattern  $[A-Z]{2}[0-9]{3}[A-Z]?$ 

## confederate\_ships

title confederate\_ships
type integer
format default

## us\_ships

title Union ships
type integer
format default
Number of Union ships (including gunships, wooden warships, ironclads, and rams; excluding transports)

## confederate\_fortifications

title confederate\_fortifications
type boolean
format default

Were any Confederate fortifications involved in the battle?

## us\_fortifications

title us\_fortifications

type boolean

format default

Were any US fortifications involved in the battle?

## National Park Service combined battle data: Battle in each battle

```
name nps_battle_units
```

path nps\_battle\_units.csv

format csv

Union and Confederate units in each battle.

This is a slightly edited version of the CWSS battle units data. See CWSS battle data: units engaged.

Sources:

## Schema

cwsac_id	string	CWSAC Id.
belligerent	string	belligerent
unit_code	string	unit_code
companies	number	companies
batteries	number	batteries
detachment	number	detachment
section	number	section
added	string	added
src	string	Source
comment	string	comment

## cwsac\_id

title CWSAC Id.type stringformat default

constraints

minLength 5
maxLength 6
pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

## belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

Side of the force: Confederate or Union or Native American.

## unit\_code

title unit\_code
type string
format default

### companies

title companies type number format default

## batteries

title batteries

type number

format default

## detachment

title detachment

type number

format default

## section

title section

type number

format default

## added

title added type string format default

If true, then this was in the original CWSS data. If false, then this unit was added by the author for this dataset. Currently, the only units added were those appearing in battles omitted from the original CWSS data.

## src

title Source type string format default

Original source for the CWSS data.

## comment

title comment type string format default

# Comparison of battles in CWSAC AAD, CWSAC Report, CWSAC Updates, and CWSS

name nps\_battlelist

path nps\_battlelist.csv

format csv

List of battles included in the AAD CWSAC Reports (1990-1993), CWSAC Report Battle Summaries (1997), CWSAC Report Updates (2009-2013), and the CWSS. All these reports from the National Park Service use the same battle identifiers, but they differ slightly in their composition.

A couple notes about the set of battles in these data.

- In an update on the status of battlefields Civil War Sites Advisory Commission Report Update & Resurvey, the following changes were made.
  - AR018, Battle of Bayou Meto (Reed's Bridge) on Aug 27, 1863 (part of the Advance on Little Rock campaign) was added. See Civil War Battlefields in the State of Arkansas Arkansas Post to Devils Backbone.
  - SC007. Fort Wagner II. Dates changed to 7-18. Report Update.
  - SC008. Fort Sumter II. Dates changed to 8-17 to 9-8. Report Update.
  - SC009. Charleston Harbor. Dates changed to Aug 22-23, 1863 and Sept 5-8, 1863. This really appears to be to engagements. The assault on Fort Sumter is the only engagement referenced in the initial CWSAC report. Report Update.
    - \* Aug 22-23, 1863 Bombardment of Charleston by the Swamp Angel
    - \* Sept 5-8, 1863. Assault on Fort Sumter.
  - VA020A and VA020B combined into a single battle, Source.

Although the CWSAC identified the engagements at White Oak Swamp and Glendale as part of the same offensive, it mapped the battlefields individually. Upon further study, the ABPP decided to combine the two engagements under one Study Area.

The Civil War Battlefield Preservation Act of 2002 directed the NPS to update their 1993 battlefield surveys. The results of the resurvey are available here. These battles are largely the same as in the first CWSAC, with a few exceptions.

• Battles Glendale (VA020A) and White Oak Swamp (VA020B) were combined into a single battle.

Upon review of the histories of the battles, the ABPP has combined White Oak Swamp (VA020a) and Glendale (VA020b) into a single entry: the overall count is one battlefield fewer, but both engagement areas are included. Update to the Civil War Sites Advisory Commission Report: Commonwealth of Virigina (p. 8).

• The Battle of Bayou Meto (AR018) was added. However, it does not appear to have been added strictly due to historical judgment of importance. No military significance or casualties is given for this battle.

The CWSAC did not list Bayou Meto (Reed's Bridge) as one of the principal battles of the Civil War. In 2002, however, the battlefield was listed in the National Register of Historic Places as a nationally significant historic property. Given the high level of significance conferred by the NRHP listing, the ABPP decided, as part of the fieldwork undertaken for this update, to assess conditions at Bayou Meto. ' Update to the Civil War Sites Advisory Commission Report: State of Arkansas <a href="http://www.nps.gov/hps/abpp/CWSII/CWSACReportArkansasUpdate.pdf">http://www.nps.gov/hps/abpp/CWSII/CWSACReportArkansasUpdate.pdf</a> (p. 8)

- The Battle of Athens (AL002) is redefined from the battle on January 26, 1863 to the battle on September 23-25, 1963. Because of this I give the new battle the code **AL009**. I also think that the results in the document are referring to the January battle because the September battle is unambiguously a Confederate victory.
- new variables: Acreage of the battlefield area
- revised variables: forces, principal commanders, result, battle dates
- Native American forces. Oklahoma battles OK001 (Round Mountain), OK002 (Chusto-Talasah), and OK003 (Chustenahlah) classify the Creek forces under Opothleyahola as [US] instead of [I]. In CWSAC II, the only battles involving purely Native American forces are against the Union and generally part of the Sioux Wars (Minnesota, North Dakota, Idaho). This seems reasonable, the Creek and Seminole forces in the Oklahoma battles were Union allies, while the Sioux Indian forces fighting the Union were not allied with the Confederacy.

For the most part, each CWSAC battle page corresponds to a single Wikipedia page, making linking the two easy.

The one exception is that CWSAC considers the Battle of Chattanooga (http://www.nps.gov/hps/abpp/battles/tn024. htm) from Nov 23-25, 1863 a single battle. However, in Wikipedia this corresponds to two battles in http: //en.wikipedia.org/wiki/Chattanooga\_Campaign: http://en.wikipedia.org/wiki/Battle\_of\_Lookout\_Mountain on Nov 24, and the http://en.wikipedia.org/wiki/Battle\_of\_Missionary\_Ridge on Nov 25.

The set of battles around Charleston Harbor July to September 1863 is confusingly and ambiguously defined by the CWSAC.

cwsac	name	result	cwsac I	cwasc II
SC005	Fort Wagner I	С	7-10 to 7-11	7-10 to 7-11
SC007	Fort Wagner II	С	7-18 to 9-7	7-18
SC008	Fort Sumter II	Ι	8-17 to 12-31	8-17 to 9-8
SC009	Charleston Harbor II	С	9-7 to 9-8	8-22 to 8-23; 9-5 to 9-8

where cwsac I refers to the 1993 report, and cwsac II refers to the revised report.

The battles considered and the summaries from their pages are copied below.

Charleston Harbor I (SC004) occurred on April 7, 1863, and was a naval battle between Union ships and the Charleston Harbor forts.

CWSAC Fort Wagner I (SC005)

On July 10, Union artillery on Folly Island together with Rear Adm. John Dahlgren's fleet of ironclads opened fire on Confederate defenses of Morris Island. The bombardment provided cover for Brig. Gen.

George C. Strong's brigade, which crossed Light House Inlet and landed by boats on the southern tip of the island. Strong's troops advanced, capturing several batteries, to within range of Confederate Fort Wagner. At dawn, July 11, Strong attacked the fort. Soldiers of the 7th Connecticut reached the parapet but, unsupported, were thrown back. http://www.nps.gov/hps/abpp/battles/sc005.htm

#### CWSAC Fort Wagner II (SC007)

After the July 11 assault on Fort Wagner failed, Gillmore reinforced his beachhead on Morris Island. At dusk July 18, Gillmore launched an attack spearheaded by the 54th Massachusetts Infantry, a black regiment. The unit's colonel, Robert Gould Shaw, was killed. Members of the brigade scaled the parapet but after brutal hand-to-hand combat were driven out with heavy casualties. The Federals resorted to siege operations to reduce the fort. This was the fourth time in the war that black troops played a crucial combat role, proving to skeptics that they would fight bravely if only given the chance. http://www.nps.gov/hps/abpp/battles/sc007.htm

#### Fort Sumter II (SC008)

Federal batteries erected on Morris Island opened fire on August 17 and continued their bombardment of Fort Sumter and the Charleston defenses until August 23. Despite a severe pounding, Fort Sumter's garrison held out. Siege operations continued against Fort Wagner on Morris Island. http://www.nps.gov/hps/abpp/battles/sc008.htm

CWSAC Charleston Harbor II (SC009)

During the night of September 6-7, Confederate forces evacuated Fort Wagner and Battery Gregg pressured by advancing Federal siegeworks. Federal troops then occupied all of Morris Island. On September 8, a storming party of about 400 marines and sailors attempted to surprise Fort Sumter. The attack was repulsed. http://www.nps.gov/hps/abpp/battles/sc009.htm

CWSAC II added the August bombardment of Charleston by the "The Swamp Angel" to Charleston Harbor II.

In Wikipedia

- 1. SC005: http://en.wikipedia.org/wiki/First\_Battle\_of\_Fort\_Wagner July 10-July 11
- 2. SC007: http://en.wikipedia.org/wiki/Second\_Battle\_of\_Fort\_Wagner July 18
- 3. SC008: http://en.wikipedia.org/wiki/Second\_Battle\_of\_Charleston\_Harbor Aug 17 Sept 8
- 4. SC009 http://en.wikipedia.org/wiki/Second\_Battle\_of\_Fort\_Sumter Sept 9

Timeline of July-September events in the 1863 siege of Charleston

- July 10-11. First Battle of Fort Wagner. Failed Union assault.
- July 16. Battle of Grimball's landing. Union defeated in attempt to take Charleston by land.
- July 18. Second failed assault on Fort Wagner
- July 19 Union begins siege of Fort Wagner
- Aug 17. Batteries on Morris Island begin bombarding Fort Sumter
- Aug 22-23. Bombardment of Charleston Island by the Swamp Angel (a battery on Morris Island)
- Aug 23. Batteries on Morris Island switch bombardment to Fort Wagner.
- Sept 7. Confederates abandon Fort Wagner
- Sept 9. Union forces attempt and fail to retake Fort Sumter

It seems that the battles break down into the following periods

- July 10-11: First Battle of Fort Wagner (SC005)
- July 16: Battle of Grimball's Landing (SC006)

- July 18: Second Battle of Fort Wagner (SC007)
- (July 19) Aug 17 Sept 8. Second Battle of Charleston Harbor = Siege of Fort Wagner/Sumter ending with the Confederate abandonment of Fort Wagner. (SC008)
- Sept 9 : Second Battle of Fort Sumter (Failed Assault)
- Continued siege?? (SC009)

Thus, confusingly:

- SC009: Charleston Harbor is the Second Battle of Fort Sumter .
- SC008: Fort Sumter is the Second Battle of Charleston Harbor .

Sources: [CWSAC1997], [CWSAC\_AAD], [CWSAC\_by\_state], [CWSS], [CWSII], [CWSIIAL], [CWSIIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIN], [CWSIIKS], [CWSIIKY], [CWSIIAL], [CWSIIMD], [CWSIIMN], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIITX], [CWSIIVA], [CWSIIVV]

## Schema

cwsac_id	string	cwsac_id
battle_name	string	battle_name
cwss	boolean	cwss
cwsac	boolean	cwsac
cws2	boolean	cws2
aad	boolean	aad
notall	boolean	notall

#### cwsac\_id

title cwsac\_id

type string

format default

#### battle\_name

title battle\_name

type string

format default

#### **CWSS**

title cwss

type boolean

format default

#### cwsac

title cwsac type boolean format default

## cws2

title cws2type booleanformat default

## aad

title aad type boolean format default

## notall

title notalltype booleanformat default

## NPS combined data battle data: battles

name nps\_battles

path nps\_battles.csv

format csv

Battle level data combining the National Park Services reports: preliminary CWSAC reports in the AAD (1990-1993), CWSAC Report battle summaries (1997), Civil War Soldiers and Sailors (CWSS) database, and the CWSAC Report Updates (2009-2013).

This table combines data from those various sources in a consistent manner.

Sources:

## Schema

cwsac_id	string	CWSAC Id.
battle_name	string	battle_name
start_date	date	Start date
end_date	date	End date
theater_code	string	theater_code
campaign_code	string	campaign_code
result	string	result
cwss_url	string	CWSS URL
partof_cwss	boolean	Part of CWSS
operation	boolean	operation
forces_text	string	Forces text
casualties_text	string	Casualties text
results_text	string	Results text
preservation	string	preservation
significance	string	significance
Cont	inued on r	next page
L		

cwsac_url		string	cwsac_url
other_names		string	other_names
partof_cwsac		boolea	
cws2_url		string	cws2_url
study_area	numbe		er Study Area
core_area	numbe	er Con	re Area
potnr_boundary	numbe	er pot	nr_boundary
partof_cws2	boolea	in par	tof_cws2
interpretive_political	integer		erpretive_political
interpretive_commander_loss	integer		erpretive_commander_loss
interpretive_casualties	integer		erpretive_casualties
interpretive_tactics_strategy	integer		erpretive_tactics_strategy
interpretive_public_mind	integer		erpretive_public_mind
interpretive_combat_arm	integer		erpretive_combat_arm
interpretive_military_firsts	integer		erpretive_military_firsts
interpretive_minority_troops	integer		erpretive_minority_troops
interpretive_economic	integer		erpretive_economic
interpretive_archaelolgical	integer		erpretive_archaelolgical
interpretive_logistics	integer		erpretive_logistics
interpretive_individual_bravery	integer		erpretive_individual_bravery
interpretive_group_behavior	integer		erpretive_group_behavior
interpretive_joint_ops	integer		erpretive_joint_ops
interpretive_coop_armies	integer		erpretive_coop_armies
interpretive_naval	integer		erpretive_naval
significance_jim	string		nificance_jim
significance_ed	string	-	nificance_ed
significance_bill	string		nificance_bill
aad_url	string		_url
battle_type	string		tle Type
partof_aad	boolea	1	tof_aad
lat	numbe		itude
long	numbe		ngitude
state	string	Sta	
strength	numbe		ength
casualties_kwm	numbe	er Cas	sualties

Table 66.1 – continued from previous page

## cwsac\_id

title CWSAC Id.

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

## battle\_name

title battle\_name
type string
format default

## start\_date

title Start datetype dateformat default

## end\_date

title End datetype dateformat default

## theater\_code

title theater\_code type string

format default

constraints

enum ['LS', 'ME', 'MW', 'PC', 'TM']

CWSS theater code. See NPS combined data battle data: theaters for descriptions of the theaters.

## campaign\_code

title campaign\_code

type string

format default

constraints

#### pattern (LSIMEIMWIPCITM)[0-9]{3}-[0-9]{2}

CWSS campaign code. See NPS combined data battle data: campaigns for descriptions of the campaigns.

### result

title result type string format default constraints

enum ['Union', 'Confederate', 'Indecisive']

Result of the battle: Union victory, Confederate victory, or Indecisive.

## cwss\_url

title CWSS URL

type string

format url

URL of the battle's page in the Civil War Soldiers and Sailors website.

### partof\_cwss

title Part of CWSStype booleanformat default

Was this battle included in the CWSS.

#### operation

title operation

type boolean

format default

Was this battle an operation (multiple battles)? In the data, Manasas Station Operations and Marietta Operations are classified as operations.

## forces\_text

title Forces text

type string

format default

Description of the forces engaged in the battle, from the CWSAC.

## casualties\_text

title Casualties text

type string

format default

Description of the casualties of the forces engaged in the battle, from the CWSAC.

## results\_text

title Results text

type string

format default

Description of the result of the battle, from the CWSAC. This will sometimes include more information about the results, including whether it was a strategic or tactical victory, or if the battle's result differed from the result of the campaign.

## preservation

title preservation

type string

format default

constraints

pattern (I{1,3}|IV).[1-4]

NPS preservation priority of the battlefield, based on the CWSAC report. See CWSAC Report (1993) preservation priority categories for more information.

## significance

title significance

type string

format default

constraints

enum ['A', 'B', 'C', 'D']

The military significance of the battle, from A " having a decisive influence on a campaign and a direct impact on the course of the war" to D "having a limited influence on the outcome of their campaign or operation but achieving or affecting important local objectives". This determined by the National Part Service CWSAC Report with input from Edwin C. Bearss, William J. Cooper, and James McPherson.

#### cwsac\_url

title cwsac\_url

type string

format url

URL of the battle summary on the CWSAC Battle Summaries <http://www.nps.gov/abpp/battles/bystate.htm> website.

#### other\_names

title other\_names
type string
format default

### partof\_cwsac

title Part of CWSAC

type boolean

format default

Was this battle included in the 1993 CWSAC Report.

### cws2\_url

title cws2\_url

type string

format default

URL of the report including the battle in the Draft State by State Updates to the Civil War Sites Advisory Commission Report <http://www.nps.gov/abpp/CWSII/CWSIIStateReports.htm>.

## study\_area

title Study Area type number

format default

CWSAC II study area in acres. See CWSAC Report Updates battle data: battles.

### core\_area

title Core Area type number format default

CWSAC II core area in acres. See CWSAC Report Updates battle data: battles.

# potnr\_boundary

title potnr\_boundary
type number

format default

#### partof\_cws2

title partof\_cws2

type boolean

format default

## interpretive\_political

title interpretive\_political

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

### interpretive\_commander\_loss

title interpretive\_commander\_loss

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_casualties

title interpretive\_casualties

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

# interpretive\_tactics\_strategy

title interpretive\_tactics\_strategy
type integer
format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### interpretive\_public\_mind

title interpretive\_public\_mind

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### interpretive\_combat\_arm

title interpretive\_combat\_arm

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### interpretive\_military\_firsts

title interpretive\_military\_firsts

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### interpretive\_minority\_troops

title interpretive\_minority\_troops

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### interpretive\_economic

title interpretive\_economic

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_archaelolgical

title interpretive\_archaelolgical

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_logistics

title interpretive\_logistics

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_individual\_bravery

title interpretive\_individual\_bravery

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_group\_behavior

title interpretive\_group\_behavior

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_joint\_ops

title interpretive\_joint\_ops

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_coop\_armies

title interpretive\_coop\_armies

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## interpretive\_naval

title interpretive\_naval

type integer

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## significance\_jim

title significance\_jim

type string

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

# significance\_ed

title significance\_ed

type string

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

## significance\_bill

title significance\_bill

type string

format default

See Records About Civil War Battle Sites, created by the CWSAC, 1990-1993, and deposited with the National Archives AAD

#### aad\_url

title aad\_url

type string

format URL

URL of the initial battle's report for the CWSAC as archived by the AAD.

#### battle\_type

title Battle Type

type string

#### constraints

enum ['Action', 'Attack', 'Naval Operations', 'Demonstration', 'Siege & Capture', 'Engagement', 'Battle', 'Skirmish', 'Bombardment', 'Operation', 'Naval', 'Combat', 'Assault', 'Massacre', 'Siege', 'Bombardment & Capture', 'Occupation', 'Capture', 'Advance & Siege', 'Expedition', 'Recapture']

Type of battle. Both the AAD and CWSS provide battle type categories. However, the AAD is more complete and so is the one used.

#### partof\_aad

title partof\_aad
type boolean
format default

#### lat

title Latitude

type number

format default

Latitude of the battle. This is roughly the midpoint of the core area of the battle as indicated in the CWSAC II report maps.

#### long

title Longitude

type number

format default

Latitude of the battle. This is roughly the midpoint of the core area of the battle as indicated in the CWSAC II report maps.

#### state

title State type string format default constraints

pattern [A-Z]{2}

## strength

title Strength

type number

format default

constraints

minimum 0

Total (Confederate and Union) personnel engaged in the battle. This combines data from the CWSS, CWSAC, and CWSAC II sources. For some battle the total personnel is given, even though the individual Confederate and Union values are missing.

## casualties\_kwm

title Casualties type number format default constraints minimum 0

Total (Confederate and Union) casualties in the battle. This combines data from the CWSS and CWSAC sources. For some battle the total personnel is given, even though the individual Confederate and Union values are missing.

# NPSA Battles to Dbpedia/Wikipedia Correspondence

name nps\_battles\_to\_wiki

path nps\_battles\_to\_wiki.csv

format csv

Sources: [jrnold]

# Schema

cwsac_id	string	CWSAC Id
dbpedia_uri	url	Dbpedia URI
wikipedia_title	string	Wikipedia Page
relation	string	relation

#### cwsac\_id

title CWSAC Id

type string

format default

constraints

pattern [A-Z]{3}[0-9]{2}

CWSAC ID

# dbpedia\_uri

title Dbpedia URI

type url

format default

URI of the dbepdia resource for the battle.

# wikipedia\_title

title Wikipedia Page

type string

format default

Title of the English Wikipedia page for the battle.

## relation

title relation

type string

format default

One of "=" for equality, "<" for a subset of, and ">" for a superevent of.

# NPS combined data battle data: campaigns

name nps\_campaigns

path nps\_campaigns.csv

format csv

Campaigns in the National Park Services Civil War battle data.

These data are a copy of the CWSS campaign list, CWSS campaign list.

Sources:

# Schema

CampaignCode	string	CampaignCode
CampaignName	string	Campaign Name
CampaignDates	string	CampaignDates
CampaignStartDate	string	Start Date
CampaignEndDate	date	End Date
TheaterCode	string	TheaterCode
WikipediaPage	string	Wikipedia Page
WikipediaCategory	string	Wikipedia Category

# CampaignCode

title CampaignCode

type string

format default

constraints

pattern [A-Z]{2}[0-9]{3}

CWSS Campaign Code

#### CampaignName

title Campaign Name type string format default

# **CampaignDates**

title CampaignDates

type string

format default

Dates of the campaign (as a string)

# CampaignStartDate

title Start Date

type string

format default

## CampaignEndDate

title End Datetype dateformat default

# TheaterCode

title TheaterCode

type string

format default

constraints

pattern [A-Z]{2}

# WikipediaPage

title Wikipedia Pagetype stringformat default

Title of the English Wikipedia page for the campaign

# WikipediaCategory

title Wikipedia Category

type string

format default

Title of the English Wikipedia category for the campaign

# NPS combined data battle data: commanders

```
name nps_commanders
path nps_commanders.csv
format csv
```

Principal commanders of the battle data combining the National Park Services reports.

These data are a slightly edited version of the CWSS data, *CWSS battle data: principal commanders*. Sources:

# Schema

string	cwsac_id
string	belligerent
integer	commander_number
string	commander
boolean	added
string	last_name
string	suffix
string	first_name
string	middle_name
string	middle_initial
string	rank
boolean	navy
	string integer string boolean string string string string string string string

## cwsac\_id

title cwsac\_id type string format default

## belligerent

title belligerent type string

format default

## commander\_number

title commander\_number
type integer
format default

#### commander

title commander type string

format default

#### added

title added type boolean format default

#### last\_name

title last\_name
type string
format default

#### suffix

title suffix

type string

format default

# first\_name

title first\_name
type string
format default

# middle\_name

title middle\_name
type string
format default

# middle\_initial

title middle\_initial type string format default

### rank

title rank type string

format default

### navy

title navy

type boolean

format default

# NPS combined data battle data: forces

name nps\_forces

path nps\_forces.csv

format csv

Force level data combining the National Park Services reports: Shenandoah, preliminary CWSAC reports in the AAD (1990-1993), CWSAC Report battle summaries (1997), Civil War Soldiers and Sailors (CWSS) database, and the CWSAC Report Updates (2009-2013).

For each of the casualty types and strength a mean and variance is provided. The values of casualties come from the CWSS, and CWSAC reports, in that order of preference. The values of strength come from the CWSS, CWSAC II, and CWSAC reports, in that order of preference.

- mean: the given value, or the midpoint if a range is given.
- variance:
  - If a range is given, the variance of a uniform distribution with that range.
  - If no range is given, the measurement error implied by rounding.  $var(x) = \frac{1}{12}10^k$ , where k is the number of zeros in the value.

Sources:

cwsac_id	string	CWSAC Id.
belligerent	string	belligerent
casualties_kwm_mean	number	Casualties (mean)
casualties_k_mean	number	Killed (mean)
casualties_w_mean	number	Wounded (mean)
casualties_m_mean	number	Missing or captured (mean)
casualties_kwm_var	number	Casualties (variance)
casualties_k_var	number	Killed (variance)
casualties_w_var	number	Wounded (variance)
casualties_m_var	number	Missing or captured (variance)
casualties_kw_mean	number	Killed or wounded (mean)
casualties_kw_var	number	Killed or wounded (variance)
strength_mean	number	Personnel (mean)
strength_var	number	Personnel (variance)
casualties_km_mean	number	Killed or missing (mean)
casualties_wm_mean	number	Wounded or missing (mean)
casualties_km_var	number	Killed or missing (variance)
casualties_wm_var	number	Wounded or missing (variance)

# Schema

#### cwsac\_id

title CWSAC Id.

type string

format default

constraints

minLength 5

maxLength 6

pattern [A-Z]{2}[0-9]{3}[A-Z]?

CWSAC battle identifier

## belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate', 'Native American']

Side of the force: Confederate or Union or Native American.

## casualties\_kwm\_mean

title Casualties (mean)

type number

format default

constraints

minimum 0

Number of casualties (killed, wounded, or missing). Mean estimate.

#### casualties\_k\_mean

title Killed (mean)

type number

format default

constraints

minimum 0

Number killed. Mean estimate.

#### casualties\_w\_mean

title Wounded (mean)

type number

format default

constraints

minimum 0

Number wounded. Mean estimate.

#### casualties\_m\_mean

title Missing or captured (mean)

type number

format default

constraints

 $\mathbf{minimum} \ 0$ 

Number missing or captured. Mean estimate.

#### casualties\_kwm\_var

title Casualties (variance)

type number

format default

constraints

#### minimum 0

Number of casualties (killed, wounded, or missing). Variance of estimate.

#### casualties\_k\_var

title Killed (variance)

type number

format default

constraints

minimum 0

Number killed. Variance of estimate.

#### casualties\_w\_var

title Wounded (variance)

type number

format default

constraints

minimum 0

Number killed. Variance of estimate.

#### casualties\_m\_var

title Missing or captured (variance)

type number

format default

constraints

minimum 0

Number missing or captured. Variance of estimate.

#### casualties\_kw\_mean

title Killed or wounded (mean) type number format default constraints

 $\mathbf{minimum} \hspace{0.1in} 0$ 

# casualties\_kw\_var

title Killed or wounded (variance)

type number

format default

constraints

minimum 0

#### strength\_mean

title Personnel (mean)

type number

format default

constraints

minimum 0

## strength\_var

title Personnel (variance)

type number

format default

constraints

minimum 0

#### casualties\_km\_mean

title Killed or missing (mean) type number format default constraints minimum 0

#### casualties\_wm\_mean

title Wounded or missing (mean) type number format default constraints minimum 0

# casualties\_km\_var

title Killed or missing (variance)

type number

format default

constraints

 $\mathbf{minimum} \hspace{0.1in} 0$ 

#### casualties\_wm\_var

title Wounded or missing (variance)

type number

format default

constraints

minimum 0

# NPS combined data: people

name nps\_people
path nps\_people.csv

format csv

People data for the combined National Park Services data.

These data are a slightly edited version of the CWSS data, CWSS people.

Individuals' DBPedia URIs were pulled from DBPedia and matched with unit names through a combination of regex merges using fuzzyjoin, humaniformat, and manual matching.

Sources:

# Schema

person_id	string	person_id
last_name	string	last_name
suffix	string	suffix
first_name	string	first_name
middle_name	string	middle_name
middle_initial	string	middle_initial
rank	string	rank
bio	string	bio
bio_source	string	bio_source
narrative_link_1	string	narrative_link_1
narrative_link_2	string	narrative_link_2
added	boolean	added
dbpedia_uri	string	dbpedia_uri

# person\_id

title person\_id
type string
format default

#### last\_name

title last\_name
type string
format default

## suffix

title suffixtype stringformat default

#### first\_name

title first\_name
type string
format default

# middle\_name

title middle\_name

type string

format default

## middle\_initial

title middle\_initial type string format default

## rank

title ranktype stringformat default

#### bio

title bio type string format default

#### bio\_source

title bio\_source
type string
format default

# narrative\_link\_1

title narrative\_link\_1
type string
format default

# narrative\_link\_2

title narrative\_link\_2
type string
format default

# added

title addedtype booleanformat default

# dbpedia\_uri

title dbpedia\_uri
type string
format default
dbpedia uri for additional information about people

# NPS combined data battle data: theaters

name nps\_theaters

path nps\_theaters.csv

format csv

Theaters in the National Park Services reports: Shenandoah, preliminary CWSAC reports in the AAD (1990-1993), CWSAC Report battle summaries (1997), Civil War Soldiers and Sailors (CWSS) database, and the CWSAC Report Updates (2009-2013).

This table is the same as the CWSS theaters, CWSS theaters.

Sources:

# Schema

TheaterCode	string	Theater Code
TheaterName	string	Theater Name
WikipediaCategory	string	Wikipedia Category
WikipediaPage	string	Wikipedia Page

# TheaterCode

title Theater Code

type string

format default

constraints

pattern [A-Z]{2}

CWSS Theater Code

# **TheaterName**

title Theater Name type string format default

# WikipediaCategory

title Wikipedia Category

type string

format default

Title of the English Wikipedia category for the theater.

Sources:

# WikipediaPage

title Wikipedia Page

type string

format default

Title of the English Wikipedia category for the theater.

Sources:

# NPS ethnic categories of units.

name nps\_unit\_categories\_ethnic

path nps\_unit\_categories\_ethnic.csv

format csv

 $Descriptions \ of \ the \ unit \ type \ categories \ in \ {\tt nps\_units.ethnic}.$ 

Sources:

# Schema

abbr	string	abbr
description	string	description

#### abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

# description

title description

type string

format default

# nps\_unit\_categories\_function

name nps\_unit\_categories\_function

path nps\_unit\_categories\_function.csv

format csv

Descriptions of the unit type categories in nps\_units.func.

Sources:

# Schema

abbr	string	abbr
description	string	description

#### abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

# description

title description

type string

format default

# NPS combined categories of special functions of unit.

```
name nps_unit_categories_special
```

```
path nps_unit_categories_special.csv
```

format csv

 $Descriptions \ of \ the \ unit \ type \ categories \ in \ {\tt nps\_units.special}.$ 

Sources:

# Schema

abbr	string	abbr
description	string	description

#### abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

# description

title description

type string

format default

# NPS combined data categories of types of data.

```
name nps_unit_categories_type
```

```
path nps_unit_categories_type.csv
```

format csv

 $Descriptions \ of \ the \ unit \ type \ categories \ in \ {\tt nps\_units.type}.$ 

Sources:

# Schema

abbr	string	abbr
description	string	description

## abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

# description

title description

type string

format default

## **NPS Units**

name nps\_units

path nps\_units.csv

format csv

Unit DBPedia URIs were pulled from DBPedia and matched with unit names through a combination of regex merges using fuzzyjoin and manual matching.

Sources:

## Schema

unit_code	string	unit_code
unit_name	string	unit_name
belligerent	string	belligerent
state	string	state
ordinal	string	ordinal
type	string	type
func	string	func
special	string	special
ethnic	string	ethnic
duplicate	number	duplicate
dbpedia_uri	string	dbpedia_uri

## unit\_code

title unit\_code
type string
format default

#### unit\_name

title unit\_name

type string

format default

Unit name.

### belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

#### state

title state type string format default

constraints

minLength 2 maxLength 2 pattern [A-Z]{2}

## ordinal

title ordinal

type string

format default

Unit number. For example, for the Massachussets 1st Infantry Regiment, the value of ordinal is 1.

## type

title type type string format default constraints minLength 1 maxLength 1 Unit type: regiment, squadron, battery, company. See nps\_unit\_categories\_type for descriptions of the categories in this column.

#### func

title func type string

format default

Unit function. Examples include: "Artillery", "Cavalry", "Infantry".

#### special

title special

type string

format default

constraints

minLength 1

maxLength 1

Additional category of the unit for special units. Examples include: "Veteran (Non Volunteer)", "State Militia", "Mounted", "Heavy Artillery", "Home Guard". See nps\_unit\_categories\_special for descriptions of the categories in this column.

#### ethnic

title ethnic type string format default constraints minLength 1

maxLength 1

Ethnic type of the unit, if any. The only two ethnic types are colored ("C") and Native American ("I"). See nps\_unit\_categories\_ethnic for descriptions of the categories in this column.

#### duplicate

title duplicate

type number

format default

Number to disambiguate units if there are multiple units with the same unit code.

## dbpedia\_uri

title dbpedia\_uri

type string

format default

dbpedia uri for additional information about units

# nytimes\_civil\_war\_chronology

name nytimes\_civil\_war\_chronology

path nytimes\_civil\_war\_chronology.json

format json

*New York Times* chronology of events of the American Civil War. This data consists of the events listed by and descriptions thereof that appeared in year-end articles in the *New York Times* 1861-1865.

Sources: [NYT1861], [NYT1862], [NYT1863], [NYT1864], [NYT1865]

## Phisterer (1883) battle data: battle list

name phisterer\_battles path phisterer\_battles.csv format csv Phister (1883) Battle

Data from Data from

> Phisterer, Frederick (1883) Statistical Records of the Armies of the United States (Google books).

Data on major battles along with Union and Confederate casualties from the table "Loss in engagements, etc., where the total was five hundred or more on the side of the Union troops–(149)." on p. 213-219. The caption for the table reads:

> Although the losses here given are generally based on official > medical returns, the figures must not be taken as perfectly > reliable, for in many instances the returns were based on > estimates, and the totals of losses were, by *later* and more > reliable returns, sometimes considerably reduced. Confederate > losses are generally based on estimates.

## Notes

- The Seven Days battles is split into two engagements, with Oak Grove on June 25th separate from The remaining battles (June 26-July 1).
  - 2279: Oak Grove, Va, VA (1862-6-25 1862-6-25)
  - 2280: Seven Day's retreat; includes Mechanicsville, Gaines' Mills, Chickahominy, Peach Orchard, Savage Station, Charles City Cross Roads, and Malvern Hill, VA (1862-6-26 - 1862-7-1)
- 2283: Guerilla campaign in Missouri; includes with Porter's and Poindexter's Guerillas, MO (1862-7-20 1862-9-20). This includes Missouri battles MO013, MO014, MO015.
- The battle of 2nd Manassas (Bull Run) is split into two battles
  - 2284: Groveton and Gainesville, Va, VA (1862-8-28 1862-8-29)

- 2285: Bull Run, Va (2d), VA (1862-8-30 1862-8-30)
- 2307: Refers to all of [Steight's Raid](http://en.wikipedia.org/wiki/Streight%27s\_Raid). There is only one battle in CWSAC (Day's Gap).
- 2298: Foster's expedition to Goldsboro, N.C., NC (1862-12-12 1862-12-18). This includes several CWSAC battles.
- 2311: Siege of Vicksburg, Miss., MS (1863-5-18 1863-7-4) includes the whole siege. There are not separate entries for the assaults.
- 2312: Siege of Port Hudson, La., LA (1863-5-27 1863-7-9) includes the whole siege. There are not separate entries for the assaults.
- 2323: Chattanooga, Tenn.; includes Orchard Knob, Lookout Mountain, and Missionary Ridge, TN (1863-11-23 1863-11-25). There are not separate entries for the engagements within the battle of Chattanooga.
- 2345: "Kenesaw Mountain, Ga.; includes Pine Mountain, Pine Knob, Golgotha, Culp's House, general assault, June 27th; McAfee's Cross Roads, Lattemore's Mills, and Powder Springs., GA (1864-6-9 1864-6-30)". This includes several CWSAC Battles including GA013 (Marietta), GA014 (Kolb's Farm), and GA015 (Kenesaw Mountain). There is also a separate entry for the assault on Kenesaw Mountaing (2354).
- 2351, 2355, 2366, 2373 all refer to Trenches in front of Petersburg, but don't seem to point to any specific battles. Most of the battles in the Petersburg Campaign have their own entries.
- 2352: Wilson's raid on the Weldon Railroad, Va., VA (1864-6-22 1864-6-30). This includes several battles: Staunton River Bridge (VA113; 1864-06-25), Sappony Church (VA067; 1864-06-28), Ream's Station I (VA068; 1864-06-29).
- 2354: Kenesaw Mountain, general assault. See No. 2345. This covers the assualt on June 27, 1864. The entry 2345 includes this assault as well as operations in Marietta and Kolb's Farm.
- 2362: This is NOT *Stoneman's Raid <http://en.wikipedia.org/wiki/Stoneman%27s\_Raid>*. There appears to be no battle page for this, although it is discussed in http://en.wikipedia.org/wiki/George\_Stoneman.
- 2372: Campaign in Northern Georgia, from Chattanooga, Tenn., to Atlanta, Ga., TN (1864-5-5 1864-9-8) This includes several CWSAC battles, and also overlaps with several other entries in the data.
- 2376: Price's invasion of Missouri; includes a number of engage-This battle all Price's Missouri Expedition ments is linked to battles in <a href="http://en.wikipedia.org/wiki/Category:Battles\_of\_Price%27s\_Missouri\_Expedition\_of\_the\_American Civil War">http://en.wikipedia.org/wiki/Category:Battles\_of\_Price%27s\_Missouri\_Expedition\_of\_the\_American Civil War</a>
- 2395 and 2394: both appear to refer to the Battle of Fort Stedman since it was the major action in Petersburg on March 25, 1865.
- 2397: Wilson's raid from Chickasaw, Ala., to Macon, Ga.; includes a number of engagements, GA (1865-3-22 1865-4-24). However, Selma (AL007) is the only major battle in this.

Sources: [Phisterer1883]

### Schema

Primary Key ['battle\_id']

battle_id	integer	Battle
battle_name	string	Battle name
state	string	state
start_date	date	Start date
end_date	date	End date
surrender	boolean	surrender
campaign	boolean	Campaign
page	integer	Page

#### battle\_id

title Battle

type integer

format default

constraints

minimum 2262

maximum 2410

Identifier number of the battle. These are the numbers used in Phisterer (1883). They start at 2262 because 1-2261 refer to the events in the chronological record (see *Phisterer (1883) chronological list of engagements*).

#### battle\_name

title Battle nametype stringformat default

#### state

title state

type string

format default

constraints

pattern [A-Z][A-Z]

Two-letter state code for the state of the battle.

#### start\_date

title Start date type date format default

#### end\_date

title End datetype dateformat default

#### surrender

title surrender type boolean format default he engagement a

Was the engagement a surrender rather than a battle? Phisterer includes entries for the surrenders of Johnston, Taylor, Sam Jones, Jeff Thompson, and Kirby Smith at the end of the war.

#### campaign

title Campaign

type boolean

format default

Was the engagement a campaign rather than a battle?

#### page

title Page type integer format default

Page number in Phisterer (1883).

## Phisterer (1883) chronological list of engagements

**name** phisterer\_engagements

path phisterer\_engagements.csv

format csv

Phisterer (1883) chronological list of engagements

A list of events on p. 83-212. Phisterer's introduction to the chronological record is:

Under the orders of the Surgeon-General of the Army, a work of the greatest importance was undertaken and completed by that Department, viz., '. The Medical and Surgical History of the War of the Rebellion," and great credit is due for the magnificent and instructive work to Surgeons-General Wm. A. Hammond and J. K. Barnes, U. S. Army; Surgeon J. H. Brinton, U. S. Volunteers; Assistant-Surgeons (then) J. J. Woodward and George A. Otis, U. S. Army, who were directly connected with the work, as well as the members of the Medical Department, regulars and volunteers, generally.

In this work there is a chronological record of engagements, etc., compiled by the Chief Clerk of the Surgical Division. Mr. Frederick R. Sparks, from official sources where practicable, from Confederate reports, and from Union and Confederate newspapers in other cases, where the statement was not obviously false. As full as the record is, it is not complete. In preparing it for publication here, several minor engagements were added, and others may find omissions as well; nevertheless, this is the complete record in existence at present.

Sources: [Phisterer1883]

## Schema

battle_id	integer	Battle
start_date	string	start_date
end_date	date	end_date
monthonly	boolean	monthonly
location	string	Location
state	string	State
battle_name	string	Battle name

### battle\_id

title Battle

type integer

format default

Identifier number. These are the numbers given to the engagements in Phisterer (1883).

#### start\_date

title start\_date

type string

format default

### end\_date

title end\_date
type date
format default

### monthonly

title monthonly

type boolean

format default

For some engagements only the months, and not the exact days are given. For these the first and last days of the month are used as the start and end dates, and this variable is set to true.

### location

title Location type string format default

### state

title State

type string

format default

constraints

pattern [A-Z][A-Z]

## battle\_name

title Battle name

type string

# Phisterer (1883) number of engagements by year

name phisterer\_engagements\_by\_year

path phisterer\_engagements\_by\_year.csv

format csv

Number of engagements by year in Phisterer (1883) chronological list of engements (*Phisterer (1883) chronological list of engagements*).

Sources: [Phisterer1883]

## Schema

year	integer	Year	1
engagements	integer	Numbe of Engagements	1

#### year

title Year type integer format default

#### engagements

title Numbe of Engagements

type integer

# Phisterer (1883) battle data: force casualties

name phisterer\_forces
path phisterer\_forces.csv
format csv
Phisterer (1883) data on casualties of forces.
See Phisterer (1883) battle data: battle list for more on the Phisterer (1883) data.
In this data each observation is a force (belligerent, battle).

Sources: [Phisterer1883]

## Schema

Primary Key ['battle\_id', 'belligerent']

battle_id	integer	battle_id
belligerent	string	belligerent
casualties	number	casualties
killed	number	killed
wounded	number	wounded
missing	number	missing

## battle\_id

title battle\_id
type integer

## belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

#### casualties

title casualties

type number

format default

constraints

minimum 0

### killed

title killed

type number

format default

constraints

minimum 0

#### wounded

title wounded

type number

format default

constraints

 $\mathbf{minimum} \ \mathbf{0}$ 

### missing

title missing

type number

format default

constraints

minimum 0

# Concordance between battles in Phisterer data and CWSAC battles.

name phisterer\_to\_cwsac
path phisterer\_to\_cwsac.json
format json
Concordance between battles in phisterer\_battles and CWSAC battle identifiers.
See the notes in Phisterer (1883) battle data: battle list.
Sources: [Phisterer1883]

# Reiter (2009) Turning Points of the American Civil War

```
name reiter2009_turning_points
```

path reiter2009\_turning\_points.csv

format csv

Turning Points of the American Civil War in Dan Reiter (2009) How Wars End.

Chapter 8 of discusses five turning points (and associated periods) of the American Civil War. Four of these turning points are based off of those listed by James McPherson in *The Battle Cry of Freedom*; the fifth is the end of the war.

Sources: [Reiter2009]

# Schema

period	Time period of the turning point	Period
start_date	date	Start Date
description	string	Description
favor	string	War Favor
war_aims_change	string	War Aims Change
comment	string	Comment

## period

title Period

**type** Time period of the turning point

## start\_date

title Start Datetype dateformat default

## description

title Description type string format default Brief description of the turning point

#### favor

title War Favor type string format default constraints enum ['Union', 'Confederacy']

Which side did the turning point favor: Union or Confederacy?

## war\_aims\_change

title War Aims Change
type string
format default
Did either side change war aims in the following period?

#### comment

title Comment type string format default

# NPS Shenandoah Report battle data

name shenandoah
path shenandoah.json

format json

Sources:

# NPS Shenandoah Report battle data: list of battles

name shenandoah\_battles

 $path \ \ shen and oah\_battles.csv$ 

format csv

Sources: [NPS1992]

## Schema

battle_id	integer	Battle Id.
battle_name	string	Battle Name
cwsac_id	string	cwsac_id
start_date	date	Start Date
end_date	date	End Eate
campaign	string	Campaign
county	string	County
url	string	url

## battle\_id

title Battle Id.

type integer

format default

Unique identifier in the Shenandoah data.

### battle\_name

title Battle Nametype stringformat default

#### cwsac\_id

title cwsac\_id type string format default constraints pattern [A-Z]{2}[0-9]{3}[A-Z]?

Identifier of the battle in CWSAC. See CWSAC Report battle data: battles.

### start\_date

title Start Datetype dateformat default

#### end\_date

title End Eate type date format default

## campaign

title Campaigntype stringformat default

#### county

title County type string format default County of the battle

## url

title url type string format default

# NPS Shenandoah Report battle data: commanders

name shenandoah\_commanders

path shenandoah\_commanders.csv

format csv

Sources: [NPS1992]

## Schema

battle_id	integer	battle_id
cwsac_id	string	cwsac_id
belligerent	string	belligerent
last_name	string	Last name
first_name	string	First name
middle_name	string	Middle name
rank	string	Rank

## battle\_id

title battle\_id

type integer

format default

## cwsac\_id

title cwsac\_id type string format default

## belligerent

title belligerenttype string

format default

## last\_name

title Last nametype stringformat default

## first\_name

title First nametype stringformat default

## middle\_name

title Middle name type string format default

### rank

title Rank type string format default

NPS Shenandoah Report battle data: force strengths and casualties

name shenandoah\_forces

path shenandoah\_forces.csv

format csv

Sources: [NPS1992]

## Schema

battle_id	integer	battle_id
belligerent	string	Belligerent
description	string	Description
strength_min	integer	Strength (min)
strength_max	integer	Strength (max)
casualties_text	string	casualties_text
casualties	integer	Casualties
killed	integer	Killed
wounded	integer	Wounded
missing_captured	integer	Missing or Captured

## battle\_id

title battle\_id
type integer
format default

### belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

#### description

title Description

type string

format default

#### strength\_min

title Strength (min)

type integer

format default

Strength in personnel of the force (minimum value). If no range is given, the maximum and minimum are set to the same value.

#### strength\_max

title Strength (max)

type integer

format default

Strength in personnel of the force (maximum value). If no range is given, the maximum and minimum are set to the same value.

#### casualties\_text

title casualties\_text type string format default

Text describing the casualties of the battle.

## casualties

title Casualties

type integer

format default

constraints

minimum 0

Total casualties (killed, wounded, and missing or captured)

#### killed

title Killed

type integer

format default

constraints

minimum 0

### wounded

title Wounded

type integer

format default

constraints

minimum 0

## missing\_captured

title Missing or Captured type integer format default constraints minimum 0

# Union and Confederate ship list

name ships
path ships.csv
format csv

Names of ships and links to dbpedia.org and the Dictionary of American Naval Fighting Ships (DANFS).

This contains all ships that appeared in battles in *Ships in battles*, not all ships in the Union and Confederate navies. Sources: [*jrnold*]

## Schema

ship_id	string	Ship identifier
name	string	Ship name
belligerent	string	Belligerent
url_dbpedia	string	dbpedia Link
url_danfs	string	DANFS URL
notes	string	notes

## ship\_id

title Ship identifier

type string

format default

#### name

title Ship name

type string

format default

Name of ship, not including the prefix or year of launch.

## belligerent

title Belligerent type string format default constraints enum ['US', 'Confederate']

## url\_dbpedia

title dbpedia Link

type string

format url

URI of the dbpedia.org resource.

## url\_danfs

title DANFS URL

type string

format url

URL of the ship in the Naval History and Heritage Ship Histories, either the Dictionary of American Naval Fighting Ships (DANFS) or Confederate Ships.

### notes

title notes

type string

# Ships in battles

 $name \ ships\_in\_battles$ 

path ships\_in\_battles.csv

format csv

Ships in each battle. The CWSAC battle list is used as the unit of observation.

Sources: [jrnold]

# Schema

cwsac_id	string	CWSAC Id.
belligerent	string	Belligerent
ship	string	Ship name

### cwsac\_id

title CWSAC Id.

type string

format default

CWSAC identifier of the battle. See CWSAC Report battle data: battles.

### belligerent

title Belligerenttype stringformat default

### ship

title Ship nametype stringformat default

Name of ship These names match those in Union and Confederate ship list.

# Locations of engagements from Washington Post map, "Battles and casualties of the American Civil War"

name thorpe\_engagements
path thorpe\_engagements.csv

format csv

Data on the location of engagements in the American Civil War from the *Washington Post* interactive map "Battles and Casualties of the American Civil War" by Gene Thorpe:

Thorpe, Gene (April 12, 2011) "Battles and Casualties of the Civil War Map", *Washington Post* <a href="http://www.washingtonpost.com/wp-srv/lifestyle/special/civil-war-interactive/civil-war-battles-and-casualties-interactive-map/">http://www.washingtonpost.com/wp-srv/lifestyle/special/civil-war-interactive/civil-war-battles-and-casualties-interactive-map/</a>

The data itself is from the file, http://www.washingtonpost.com/wp-srv/lifestyle/special/civil-war-interactive/ civil-war-battles-and-casualties-interactive-map/cwFourYearsSec.xml.

The data consist of 4,340 engagements, the locations of those engagements, and casualties in these battles. It is unclear where the list of engagements comes from (Phisterer has only 2261, Dyer has 9570).

Sources: [Thorpe2011]

# Schema

battleNum	integer Battle number		
battleDetail	string	Battle details	
beginDate	date	Begin date	
endDate	date	End date	
unknownDay	boolean	Unknown day	
lat	number	Latitude	
lng	number	Longitude	
shrtNm	string	Short name	
desc	string	Description	
type	string	Туре	
killed	integer	Killed	
usCasTot	integer	Total US casualties	
csCasTot	integer	Total Confederate casualties	

### battleNum

title Battle number

type integer

format default

Battle identifier number

#### battleDetail

title Battle details

type string

format default

Description of the battle

### beginDate

title Begin date type date format default

### endDate

title End datetype dateformat default

### unknownDay

title Unknown day

type boolean

format default

Equal to 1 if the date of the battle was unknown. In which case, the first and last days of the month are used.

#### lat

title Latitude type number format default

### Ing

title Longitudetype numberformat default

### shrtNm

title Short nametype stringformat default

### desc

title Descriptiontype stringformat default

## type

title Type type string format default

Type of engagement. E.g. skirmish, siege, engagement.

#### killed

title Killed type integer format default

## usCasTot

title Total US casualties type integer format default

### csCasTot

title Total Confederate casualtiestype integerformat default

# Distributions of personnel in units

name unit\_sizes
path unit\_sizes.csv
format csv

Distributions of the number of personnel per unit (e.g. regiment,

Using the distribution of personnel per regiment from Livermore's (1900) examples of regiment sizes, and the table of units in Eicher and Eicher (2002), this data is the distribution of personnel in each type of unit (company, regiment, brigade, division, corps, army, etc.). See the source for the details of how this data was simuated. This data is used for estimates of strenghts in battles when the source gives only the number and types of units (e.g. *Clodfelter (2008) battle data: forces, CWSAC Report (1993) battle data: forces, CWSAC Report Updates battle data: force strengths*).

Sources: [jrnold], [eicher2002civil], [Livermore1900]

# Schema

belligerent	string	belligerent
unit_type	string	unit_type
mean	number	mean
sd	number	sd
p025	number	p025
p25	number	p25
median	number	median
p75	number	p75
p975	number	p975

### belligerent

title belligerent

type string

format default

### unit\_type

title unit\_type

type string

format default

#### mean

title mean

type number format default

### sd

title sd type number format default

# p025

title p025type numberformat default

# p25

title p25type numberformat default

### median

title median type number

format default

# p75

title p75type numberformat default

# p975

title p975type numberformat default

# wikipedia\_battles

name wikipedia\_battles

path wikipedia\_battles.csv

format csv

Sources:

# Schema

battle_id	string	battle_id
id	number	id
cwsac_id	string	cwsac_id

## battle\_id

title battle\_id type string

format default

# id

title id type number format default

## cwsac\_id

title cwsac\_id type string format default

# wikipedia\_forces

name wikipedia\_forces

path wikipedia\_forces.csv

format csv

Sources:

# Schema

	1
6	battle_id
string	belligerent
number	strength_min
number	strength_max
number	casualties_min
number	casualties_max
number	killed_min
number	killed_max
number	wounded_min
number	wounded_max
number	missing_min
number	missing_max
number	captured_min
number	captured_max
number	killed_wounded_min
number	killed_wounded_max
number	wounded_missing_min
number	wounded_missing_max
number	captured_missing_min
number	captured_missing_max
	number number number number number number number number number number number

## battle\_id

title battle\_id
type string
format default

## belligerent

title belligerenttype stringformat default

### strength\_min

title strength\_min
type number
format default

#### strength\_max

title strength\_max
type number
format default

### casualties\_min

title casualties\_min

type number

format default

#### casualties\_max

title casualties\_max type number format default

#### killed\_min

title killed\_min
type number
format default

### killed\_max

title killed\_max
type number
format default

#### wounded\_min

title wounded\_min type number format default

## wounded\_max

title wounded\_max type number format default

### missing\_min

title missing\_min
type number
format default

## missing\_max

title missing\_max

type number

format default

## captured\_min

title captured\_min
type number
format default

#### captured\_max

title captured\_max type number format default

## killed\_wounded\_min

title killed\_wounded\_min
type number
format default

### killed\_wounded\_max

title killed\_wounded\_max
type number
format default

### wounded\_missing\_min

title wounded\_missing\_min
type number
format default

#### wounded\_missing\_max

title wounded\_missing\_max
type number
format default

## captured\_missing\_min

title captured\_missing\_min
type number
format default

### captured\_missing\_max

title captured\_missing\_max
type number
format default

Indices and tables

- genindex
- modindex
- search

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