
American Civil War Battle Data Documentation

Release 8.0.0

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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-8.0.0.tar.gz](#)
- [acw_battle_data-8.0.0.zip](#)

CHAPTER 1

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 – 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: keywords
cwss_regiments_units.csv	CWSS units (regiments)
cwss_state_names.csv	CWSS unit state names
cwss_theaters.csv	CWSS theaters
cwss_unit_titles.csv	CWSS Unit Titles
dye_engagements.csv	Dyer (1908) list of battles
dye_to_cwsac.json	dye_to_cwsac
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
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: commanders
nps_forces.csv	NPS combined data battle data: forces
nps_people.csv	NPS combined data: people
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.csv	NPS Units
nytimes_civil_war_chronology.json	nytimes_civil_war_chronology

Table 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 Civil War”
unit_sizes.csv	Distributions of personnel in units
wikipedia_battles.csv	wikipedia_battles
wikipedia_forces.csv	wikipedia_forces

2.1 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>

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: [\[jrno1d\]](#), [\[cdb90\]](#), [\[CWSAC1997\]](#)

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 Commission 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: [\[CWSAC_AAD\]](#)

4.1 Schema

reference_number	string	Reference Number
event	string	event
type	string	Type
start_date	date	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 Command)
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 Corps
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_archaeological	boolean	Interpretive Potential: High Archaeological 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 Armies
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 next page

Table 1 – continued from previous page

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

4.1.1 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.

4.1.2 event

title event

type string

format default

4.1.3 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).

4.1.4 start_date

title Start date

type date

format default

Beginning day of the event.

4.1.5 end_date

title End date

type date

format default

End day of the event.

4.1.6 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.

4.1.7 campaign

title campaign

type string

format default

4.1.8 threats

title threats

type number

format 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.

4.1.9 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.

4.1.10 ownership_local

title Ownership (local government)

type boolean
format default

4.1.11 ownership_private

title Ownership (private)
type boolean
format default

4.1.12 ownership_state

title Ownership (state government)
type boolean
format default

4.1.13 ownership_unknown

title Ownership (unknown)
type boolean
format default

4.1.14 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.

4.1.15 integrity

title integrity
type string
format 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 mass 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.

4.1.16 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 commander 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 achieved 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 achieved 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.

4.1.17 interpretive_political

title Interpretive Potential: effect upon international diplomacy

type boolean

format default

4.1.18 interpretive_commander_loss

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

type boolean

format default

4.1.19 interpretive_casualties

title Interpretive Potential: Unusually High Casualties

type boolean

format default

4.1.20 interpretive_tactics_strategy

title Interpretive Potential: Illustrates Important Lessons in Military Tactics and Strategy

type boolean

format default

4.1.21 interpretive_public_mind

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

type boolean

format default

4.1.22 interpretive_combat_arm

title Interpretive Potential: Significant Participation of Cavalry, Artillery, or Other Single Combat Arm

type boolean

format default

4.1.23 interpretive_military_firsts

title Interpretive Potential: Military Firsts

type boolean

format default

4.1.24 interpretive_minority_troops

title Interpretive Potential: Participation of Significant Numbers of Minority Troops

type boolean

format default

4.1.25 interpretive_economic

title Interpretive Potential: Significant Economic Consequences

type boolean

format default

4.1.26 interpretive_archaelolgical

title Interpretive Potential: High Archaeological Potential

type boolean

format default

4.1.27 interpretive_logistics

title Interpretive Potential: Unusually Significant Logistics or Supply Feat

type boolean

format default

4.1.28 interpretive_individual_bravery

title Interpretive Potential: Exception Individual Initiative in Bravery or Command

type boolean

format default

4.1.29 interpretive_group_behavior

title Interpretive Potential: Exceptional Group Behavior

type boolean

format default

4.1.30 interpretive_joint_ops

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

type boolean

format default

4.1.31 interpretive_coop_armies

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

type boolean

format default

4.1.32 interpretive_naval

title Interpretive Potential: Naval Operations

type boolean

format default

4.1.33 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.

4.1.34 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.

4.1.35 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.

4.1.36 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.

4.1.37 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.

4.1.38 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.

4.1.39 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.

4.1.40 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.

4.1.41 url

title url

type string

format url

URL to the record on aad.archives.gov.

CHAPTER 5

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]*

6.1 Schema

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

6.1.1 cwsac_id

title CWSAC Id.
type string
format default
constraints

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

6.1.2 battle_name

title Battle name

type string

format default

6.1.3 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.

6.1.4 siege

title siege

type boolean

format default

6.1.5 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 l, 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" = "cannon"
 - "Fahnen" = "flag"
 - "Wagen" = "wagon"
 - "Geschütze", "Gesch." = "artillery"
 - "Munitionswagen" = "gun wagons"
 - "Gewehre" = "guns"
- "kanonen", "kan." = cannon
- "fahnen" = flags
- "geschütze", "gesch." = guns

Bodart classifies battles into the following categories:

- 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 Plätze” (“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 example, 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 Unionen (54.000 M.) unter GM. Buell.

The Google Books translation of this passage is

Victory for the Confederates (68,000 men) under General. Bragg on the Union (54,000 men) 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 et 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: [\[Bodart1908\]](#)

7.1 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

7.1.1 battle_id

title Battle number

type integer

format default

constraints

minimum 1

7.1.2 battle_name

title Battle name

type string

format default

Name of the battle

7.1.3 other_names

title Other name(s)

type string

format default

Alternate names for the battle

7.1.4 start_date

title Start Date

type date

format default

7.1.5 end_date

title End Date

type date

format default

7.1.6 location

title Location

type string

format default

Location of the battle (in German)

7.1.7 state

title State

type string

format default

constraints

pattern [A-Z]{2}

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

7.1.8 category_schlacht

title Battle

type boolean

format default

Was the battle a major battle (“Schlacht”)?

7.1.9 category_treffen

title Meeting

type boolean

format default

Was the battle a meeting or encounter (“Treffen”)?

7.1.10 category_belagerung

title Siege

type boolean

format default

Was the battle a siege (“Belagerung”)?

7.1.11 category_kapitulation

title Surrender

type boolean

format default

Was the battle a surrender (“Kapitulation”)?

7.1.12 category_einnahme

title Capture

type integer

format default

Was the battle a capture (“Einnahme”)?

7.1.13 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 are 1. > 30,000 2. > 20,000 3. > 10,000 4. > 5,000 5. > 3,000 6. > 1,000

7.1.14 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 Kriegs-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: [\[Bodart1908\]](#)

8.1 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

8.1.1 battle_id

title Battle Id.

type string

format default

8.1.2 belligerent

title belligerent

type string

format default

8.1.3 full_name

title Name

type string

format default

Name of the commander

8.1.4 last_name

title Last Name

type string

format default

8.1.5 first_name

title First Name

type string

format default

8.1.6 middle_name

title Middle Name

type string

format default

8.1.7 suffix

title Suffix

type number

format default

8.1.8 rank

title Rank

type string

format default

rank of the commander

8.1.9 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]*

9.1 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

Table 1 – continued from 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

9.1.1 battle_id

title Battle id
type string
format default

9.1.2 belligerent

title belligerent
type string
format default

9.1.3 strength

title Strength
type integer
format default

Total personnel

9.1.4 strength_engaged

title Strength Engaged

type integer

format default

Personnel engaged in combat

9.1.5 infantry

title Infantry

type integer

format default

Number of infantry

9.1.6 cavalry

title cavalry

type integer

format default

Number of cavalry

9.1.7 artillery

title Artillery

type integer

format default

Number of artillery personnel

9.1.8 guns

title guns

type integer

format default

Number of guns (artillery pieces)

9.1.9 killed

title Killed

type integer

format default

9.1.10 killed_percent

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

9.1.11 killed_generals

title killed_generals
type integer
format default

9.1.12 killed_officers

title killed_officers
type integer
format default

9.1.13 killed_wounded

title killed_wounded
type integer
format default

9.1.14 killed_wounded_percent

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

9.1.15 killed_wounded_generals

title Generals killed or wounded
type integer
format default

9.1.16 killed_wounded_officers

title Officers killed or wounded
type integer
format default

9.1.17 wounded

title wounded
type integer
format default

9.1.18 wounded_percent

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

9.1.19 wounded_generals

title Generals wounded
type integer
format default

9.1.20 wounded_officers

title Officers wounded
type integer
format default

9.1.21 captured

title captured
type integer
format default

9.1.22 captured_generals

title Generals captured
type integer
format default

9.1.23 captured_officers

title Officers captured
type integer
format default

9.1.24 missing

title missing
type integer
format default

9.1.25 missing_percent

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

9.1.26 missing_generals

title Generals missing
type integer
format default

9.1.27 missing_officers

title Officers missing
type integer
format default

9.1.28 casualties

title Casualties

type integer

format default

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

9.1.29 casualties_percent

title Casualties (percent)

type number

format default

constraints

minimum 0

maximum 1

9.1.30 casualties_officers

title Casualties (officers)

type integer

format default

9.1.31 casualties_generals

title Casualties (generals)

type integer

format default

9.1.32 losses_guns

title Losses of guns

type integer

format default

9.1.33 losses_caissons

title Losses of caissons

type integer

format default

9.1.34 losses_cannon

title Losses of cannons
type integer
format default

9.1.35 losses_canons

title losses_canons
type number
format default

9.1.36 losses_flags

title Losses of flags
type integer
format default

9.1.37 losses_munition_wagons

title Losses of munition wagons
type integer
format default

9.1.38 losses_wagons

title Losses of wagons
type integer
format default

9.1.39 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 Kriegs-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 correspondence of ranks

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

Sources: *[Bodart1908]*

10.1 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

10.1.1 battle_id

title Battle Id.

type string

format default

10.1.2 belligerent

title belligerent

type string

format default

10.1.3 full_name

title full_name

type string

format default

10.1.4 last_name

title Last name

type string

format default

10.1.5 first_name

title First name

type string

format default

10.1.6 middle_name

title Middle name

type string

format default

10.1.7 suffix

title Suffix

type number

format default

10.1.8 rank

title Rank

type string

format default

Rank of the general

10.1.9 date

title date

type date

format default

Date the general was killed (if given).

10.1.10 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 correspondence 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 bodart1908_to_dbpedia.json
format json

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

This is the correspondence 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 Chancellorsville and 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 classification was based on the qualitative accounts of crises of confidence in Schwab (1901), *The Confederate States of America, 1861-1865* [Schwab1901]. 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 nominees of McClellan.

Sources: [BurdekinLangdana1993]

13.1 Schema

date	date	Date
trend	integer	War Trend

13.1.1 date

title Date

type date

format default

First day of the quarter

13.1.2 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:

14.1 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

14.1.1 battle_id

title Battle
type string
format default

14.1.2 battle_name

title battle_name
type string
format default

14.1.3 url

title url
type string
format url

URL of the battle on civilwar.org.

14.1.4 start_date

title Start date
type date
format default

14.1.5 end_date

title End date
type date
format default

14.1.6 alternate_names

title Alternate Names
type string
format default

14.1.7 location

title Locations
type string
format default

14.1.8 state

title state
type string
format default

14.1.9 campaign

title Campaign
type string
format default

Campaign of the battle.

14.1.10 result

title Result
type string
format default

Battle result: Union victory, Confederate victory, or Inconclusive

14.1.11 total_casualties

title Total casualties
type string
format default

Total of Confederate and Union casualties

14.1.12 total_strength

title Total strength
type string
format default

Total of Confederate and Union strength (forces engaged).

14.1.13 cwsac_id

title CWSAC Id.
type string
format default
constraints

CWSAC battle identifier. See *CWSAC Report battle data: battles*.

Sources:

14.1.14 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 *Battle data from civilwar.org*.

Sources:

15.1 Schema

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

15.1.1 battle_id

title Battle
type string
format default

15.1.2 belligerent

title belligerent
type string
format default

constraints

enum ['US', 'Confederate']

15.1.3 name

title Commander Name

type string

format default

15.1.4 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 *Battle data from civilwar.org*.

Sources:

16.1 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

16.1.1 battle_id

title Battle
type string
format default

16.1.2 belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

16.1.3 strength

title Strength

type integer

format default

constraints

Troops engaged in the battle.

16.1.4 casualties

title Total casualties

type integer

format default

constraints

16.1.5 killed

title Killed

type integer

format default

constraints

16.1.6 wounded

title Wounded

type integer

format default

constraints

16.1.7 killed_wounded

title killed_wounded

type number

format default

16.1.8 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 (Manassas) [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]*

17.1 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

17.1.1 battle_id

title battle_id
type string
format default

17.1.2 theater

title Theater
type string
format default
constraints
enum ['East', 'West', 'Blockade War']

17.1.3 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']

17.1.4 start_date

title Start date
type date
format default

17.1.5 end_date

title End Date

type date

format default

17.1.6 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*]

17.1.7 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]

18.1 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

18.1.1 battle_id

title battle_id

type string
format default

18.1.2 belligerent

title belligerent
type string
format default

18.1.3 commander_number

title commander_number
type integer
format default

18.1.4 PersonID

title PersonID
type string
format default

18.1.5 last_name

title last_name
type string
format default

18.1.6 first_name

title first_name
type string
format default

18.1.7 middle_name

title middle_name
type string
format default

18.1.8 middle_initial

title middle_initial
type string
format default

18.1.9 rank

title rank
type string
format default

18.1.10 navy

title navy
type number
format default

Clodfelter (2008) battle data: forces

name clodfelter_forces

path clodfelter_forces.csv

format csv

Sources: *[Clodfelter2008]*

19.1 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
wooden_warships	integer	Wooden Warships

Continued on next page

Table 1 – continued from previous page

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)

19.1.1 battle_id

title battle_id
type string
format default

19.1.2 belligerent

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

19.1.3 strength

title Strength
type integer
format default
constraints

minimum 0

Total number of personnel in the battle

19.1.4 infantry

title Infantry personnel

type integer

format default

constraints

minimum 0

Total number of infantry in the battle

19.1.5 cavalry

title Cavalry personnel

type integer

format default

constraints

minimum 0

Total number of cavalry in the battle

19.1.6 crewmen

title Crewmen

type integer

format default

constraints

minimum 0

Total number of naval crew in the battle

19.1.7 corps

title corps

type integer

format default

constraints

minimum 0

Number of corps in the battle

19.1.8 cavalry_corps

title Cavalry Corps

type integer

format default

constraints

minimum 0

Number of cavalry corps in the battle

19.1.9 divisions

title Divisions

type integer

format default

constraints

minimum 0

Number of divisions in the battle

19.1.10 cavalry_divisions

title Cavalry Divisions

type integer

format default

constraints

minimum 0

Number of cavalry divisions in the battle

19.1.11 brigades

title Brigades

type integer

format default

constraints

minimum 0

Number of brigades in the battle

19.1.12 companies

title Companies

type integer

format default

constraints

minimum 0

Number of companies in the battle

19.1.13 frigates

title frigates

type integer

format default

constraints

minimum 0

19.1.14 gunboats

title Gunboats

type integer

format default

constraints

minimum 0

19.1.15 ironclads

title Ironclads

type integer

format default

constraints

minimum 0

19.1.16 sloops

title Sloops

type integer

format default

constraints

minimum 0

19.1.17 steamers

title Steamers
type integer
format default
constraints
 minimum 0

19.1.18 warships_and_transports

title Warships and Transports
type integer
format default
constraints
 minimum 0

19.1.19 warships

title Warships
type integer
format default
constraints
 minimum 0

19.1.20 wooden_warships

title Wooden Warships
type integer
format default
constraints
 minimum 0

19.1.21 guns

title Guns
type integer
format default
constraints
 minimum 0

Number of artillery pieces

19.1.22 casualties

title Casualties

type integer

format default

constraints

minimum 0

Casualties (killed, wounded, and missing or captured)

19.1.23 captured

title Captured

type integer

format default

constraints

minimum 0

19.1.24 killed

title Killed

type integer

format default

constraints

minimum 0

19.1.25 wounded

title Wounded

type integer

format default

constraints

minimum 0

19.1.26 missing

title Missing

type integer

format default

constraints

minimum 0

19.1.27 killed_wounded

title Killed or Wounded

type integer

format default

constraints

minimum 0

19.1.28 killed_missing

title Killed or Missing

type integer

format default

constraints

minimum 0

19.1.29 missing_captured

title Missing or Captured

type integer

format default

constraints

minimum 0

19.1.30 wounded_missing

title Wounded or Missing

type integer

format default

constraints

minimum 0

19.1.31 guns_lost

title Guns Lost

type integer

format default

constraints

minimum 0

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

19.1.32 guns_captured

title guns_captured

type number

format default

19.1.33 small_arms_lost

title Small Arms Lost

type integer

format default

constraints

minimum 0

Number of small arms captured by the opponent.

19.1.34 small_arms_captured

title small_arms_captured

type number

format default

19.1.35 warships_sunk

title Warships Sunk

type integer

format default

constraints

minimum 0

Number of warships sunk by the opponent.

19.1.36 warships_damaged

title Warships Damaged

type integer

format default

constraints

minimum 0

Number of warships damaged by the opponent.

19.1.37 gunboats_sunk

title Gunboats Sunk

type integer

format default

constraints

minimum 0

Number of gunboats sunk by the opponent.

19.1.38 gunboats_captured

title Gunboats Captured

type integer

format default

constraints

minimum 0

Number of gunboats captured by the opponent.

19.1.39 ironclads_sunk

title Ironclads Sunk

type integer

format default

constraints

minimum 0

Number of ironclads sunk by the opponent.

19.1.40 ironclads_captured

title Ironclads Captured

type integer

format default

constraints

minimum 0

Number of ironclads captured by the opponent.

19.1.41 forts_captured

title Forts Captured

type integer

format default

constraints

minimum 0

Number of forts captured by the opponent.

19.1.42 note

title Note

type string

format default

19.1.43 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]*

19.1.44 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]*

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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], [CWSIHAL], [CWSIHAR], [CWSIICO], [CWSIIDC], [CWSIHFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

23.1 Schema

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)

23.1.1 battle

title Battle

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

CWSAC battle identifier

23.1.2 battle_name

title Battle Name
type string
format default

23.1.3 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.

23.1.4 campaign

title Campaign
type string
format default

Campaign of the battle

23.1.5 url

title url
type string
format url

URL of the CWSAC Updated report

23.1.6 forces_text

title Forces

type string

format default

Text description of the forces involved in the battle

23.1.7 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.

23.1.8 results_text

title Results (text)

type string

format default

Description of the result of the battle

23.1.9 result

title result

type number

format default

Battle result

23.1.10 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.

23.1.11 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.

23.1.12 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.

23.1.13 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: *[CWSH]*, *[CWSHAL]*, *[CWSHAR]*, *[CWSHICO]*, *[CWSHDC]*, *[CWSHFL]*, *[CWSHGA]*, *[CWSHKS]*, *[CWSHIKY]*, *[CWSHIMN]*, *[CWSIILA]*, *[CWSHMD]*, *[CWSHMO]*, *[CWSIINC]*, *[CWSHIND]*, *[CWSHIOH]*, *[CWSHIOK]*, *[CWSIIPA]*, *[CWSHISC]*, *[CWSIITN]*, *[CWSIIVA]*, *[CWSIIVV]*

23.1.14 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], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

CWSAC Report Updates: commanders

name cws2_commanders

path cws2_commanders.csv

format csv

Sources: *[CWSII], [CWSIHAL], [CWSIHAR], [CWSIICO], [CWSIIDC], [CWSIHFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

24.1 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

24.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

24.1.2 belligerent

title belligerent

type string

format default

constraints

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

24.1.3 fullname

title Full name

type string

format default

24.1.4 rank

title Rank

type string

format default

Rank of the commander at the time of the battle

24.1.5 last_name

title Last Name

type string

format default

24.1.6 first_name

title First Name

type string

format default

24.1.7 middle_name

title Middle Name

type string

format default

24.1.8 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], [CWSIHAL], [CWSIHAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

25.1 Schema

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

25.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

25.1.2 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.

25.1.3 start_date

title Start Date

type date

format default

25.1.4 end_date

title End Date

type date

format default

CWSAC Report Updates battle data: force strengths

name cws2_forces

path cws2_forces.csv

format csv

Sources: *[CWSII], [CWSIHAL], [CWSIHAR], [CWSIICO], [CWSIIDC], [CWSIHFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

26.1 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)

26.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

26.1.2 belligerent

title belligerent

type string

format default

constraints

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

26.1.3 description

title Description

type string

format default

Description of the units involved

26.1.4 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.

26.1.5 regiments

title Regiments

type integer

format default

constraints

minimum 0

Number of regiments

26.1.6 companies

title companies

type integer

format default

constraints

minimum 0

Number of companies

26.1.7 brigades

title brigades

type integer

format default

constraints

minimum 0

Number of brigades

26.1.8 divisions

title divisions

type integer

format default

constraints

minimum 0

Number of divisions

26.1.9 corps

title corps

type integer

format default

constraints

minimum 0

Number of corps

26.1.10 armies

title armies

type integer

format default

constraints

minimum 0

Number of armies

26.1.11 cavalry_regiments

title Cavalry Regiments

type integer

format default

constraints

minimum 0

Number of cavalry regiments

26.1.12 cavalry_brigades

title Cavalry Brigades

type integer

format default

constraints

minimum 0

Number of cavalry brigades

26.1.13 cavalry_divisions

title Cavalry Divisions

type integer

format default

constraints

minimum 0

Number of cavalry divisions

26.1.14 cavalry_corps

title Cavalry Corps

type integer

format default

constraints

minimum 0

Number of cavalry corps

26.1.15 cavalry_companies

title Cavalry Companies

type integer

format default

constraints

minimum 0

Number of cavalry companies

26.1.16 artillery_batteries

title Artillery Batteries

type integer

format default

constraints

minimum 0

Number of artillery batteries

26.1.17 artillery_companies

title Artillery Companies

type integer

format default

constraints

minimum 0

Number of artillery companies

26.1.18 artillery_regiments

title Artillery Regiments

type integer

format default

constraints

minimum 0

Number of artillery regiments

26.1.19 artillery_sections

title Artillery Sections

type integer

format default

constraints

minimum 0

Number of artillery sections

26.1.20 infantry_regiments

title Infantry Regiments

type integer

format default

constraints

minimum 0

Number of infantry regiments

26.1.21 strength_other

title Strength (other)

type integer

format default

constraints

minimum 0

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

26.1.22 ships

title Ships

type integer

format default

constraints

minimum 0

Number of ships involved in the battle

26.1.23 guns

title Guns

type integer

format default

constraints

minimum 0

Number of artillery pieces involved in the battle

26.1.24 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], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

26.1.25 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], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

CWSAC Report Updates battle data: locations

name cws2_locations

path cws2_locations.csv

format csv

Sources: *[CWSII], [CWSIHAL], [CWSIAR], [CWSIICO], [CWSIIDC], [CWSIIFL], [CWSIIGA], [CWSIIKS], [CWSIIKY], [CWSIIMN], [CWSIILA], [CWSIIMD], [CWSIIMO], [CWSIINC], [CWSIIND], [CWSIOH], [CWSIIOK], [CWSIIPA], [CWSIISC], [CWSIITN], [CWSIIVA], [CWSIIWV]*

27.1 Schema

battle	string	Battle
state	string	State
location	string	County or City

27.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

27.1.2 state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z][A-Z]

2-letter State abbreviation

27.1.3 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: [\[CWSAC1993\]](#), [\[CWSAC1997\]](#), [\[CWSAC_by_state\]](#), [\[CWSAC_by_campaign\]](#)

29.1 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)

29.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

29.1.2 url

title url

type string

format url

URL of the battle summary

29.1.3 battle_name

title Battle Name

type string

format default

29.1.4 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).

29.1.5 state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z][A-Z]

2-letter State abbreviation

29.1.6 locations

title Locations

type string

format default

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

29.1.7 campaign

title Campaign

type string

format default

The larger military operation with which the battle is associated.

29.1.8 start_date

title Start Date

type date

format default

29.1.9 end_date

title End Date

type date

format default

29.1.10 operation

title operation

type boolean

format default

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

29.1.11 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.

29.1.12 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.

29.1.13 result

title result

type string

format default

constraints

enum ['Union', 'Confederate', 'Inconclusive']

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

29.1.14 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.

29.1.15 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.

29.1.16 casualties_text

title casualties_text

type string

format default

Description of the casualties of the battle.

29.1.17 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.

29.1.18 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.

29.1.19 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.

29.1.20 significance

title Military significance

type string

format default

constraints

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

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

29.1.21 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: *[CWSAC1993]*, *[CWSAC1997]*, *[CWSAC_by_state]*, *[CWSAC_by_campaign]*

29.1.22 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_campaign]*

CWSAC Report battle data: campaigns

name cwsac_campaigns

path cwsac_campaigns.csv

format csv

Sources: *[CWSAC1993]*, *[CWSAC1997]*, *[CWSAC_by_state]*, *[CWSAC_by_campgn]*

30.1 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

30.1.1 campaign

title Campaign

type string

format default

Campaign name

30.1.2 theater

title Theater

type string

format default

Theater of the campaign

30.1.3 start_year

title Start year

type integer

format default

constraints

minimum 1861

maximum 1865

30.1.4 start_month

title Start month

type integer

format default

constraints

minimum 1

maximum 12

30.1.5 end_year

title End year

type integer

format default

constraints

minimum 1861

maximum 1865

30.1.6 end_month

title End Month

type integer

format default

constraints

minimum 1

maximum 12

30.1.7 dbpedia

title dbpedia

type string

format default

URI of the dbpedia.org resource for the campaign

Sources: *[CWSAC1993]*, *[CWSAC1997]*, *[CWSAC_by_state]*, *[CWSAC_by_campaign]*

CWSAC Report (1993) battle data: commanders

name cwsac_commanders

path cwsac_commanders.csv

format csv

Sources: *[CWSAC1993]*, *[CWSAC1997]*, *[CWSAC_by_state]*, *[CWSAC_by_campaign]*

31.1 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

31.1.1 battle

title battle

type string

format default

31.1.2 belligerent

title belligerent

type string

format default

31.1.3 fullname

title fullname

type string

format default

31.1.4 rank

title rank

type string

format default

31.1.5 navy

title navy

type integer

format default

31.1.6 first_name

title first_name

type string

format default

31.1.7 last_name

title last_name

type string

format default

31.1.8 middle_name

title middle_name

type string

format default

31.1.9 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_campaign]*

32.1 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

32.1.1 battle

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

32.1.2 belligerent

title belligerent

type string

format default

constraints

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

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

32.1.3 description

title description

type string

format default

Description of the force, often including the units involved.

32.1.4 strength_min

title strength_min

type number

format default

Minimum forces engaged.

32.1.5 strength_max

title strength_max

type number

format default

Maximum sources engaged.

32.1.6 armies

title armies

type number

format default

32.1.7 corps

title corps

type number

format default

32.1.8 divisions

title divisions
type number
format default

32.1.9 brigades

title brigades
type number
format default

32.1.10 regiments

title regiments
type number
format default

32.1.11 companies

title companies
type number
format default

32.1.12 cavalry_regiments

title cavalry_regiments
type number
format default

32.1.13 cavalry_brigades

title cavalry_brigades
type number
format default

32.1.14 cavalry_corps

title cavalry_corps
type number
format default

32.1.15 cavalry_divisions

title cavalry_divisions
type number
format default

32.1.16 artillery_batteries

title artillery_batteries
type number
format default

32.1.17 ships

title ships
type number
format default

32.1.18 ironclads

title ironclads
type number
format default

32.1.19 gunboats

title gunboats
type number
format default

32.1.20 wooden_ships

title wooden_ships
type number
format default

32.1.21 rams

title rams
type number
format default

32.1.22 casualties

title casualties
type number
format default

32.1.23 killed

title killed
type number
format default

32.1.24 wounded

title wounded
type number
format default

32.1.25 missing

title missing
type number
format default

32.1.26 captured

title captured
type number
format default

32.1.27 strength_mean

title strength_mean
type number
format default

32.1.28 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]*

33.1 Schema

value	string	Value
description	string	Description

33.1.1 value

title Value

type string

format default

33.1.2 description

title Description

type string

format default

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_campaign]*

34.1 Schema

value	string	Value
description	string	Description

34.1.1 value

title Value
type string
format default

34.1.2 description

title Description
type string
format default

CWSAC Report (1993) theaters

name cwsac_theaters

path cwsac_theaters.csv

format csv

Sources: *[CWSAC1993]*, *[CWSAC1997]*, *[CWSAC_by_state]*, *[CWSAC_by_campaign]*

35.1 Schema

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

35.1.1 theater

title Theater

type string

format default

35.1.2 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_campaign]*

35.1.3 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_campaign]*

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: [\[CWSS\]](#)

36.1 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

36.1.1 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

36.1.2 Comment

title Comment
type string
format default

36.1.3 Source

title Source
type string
format default

36.1.4 UnitCode

title Unit code
type string
format default

36.1.5 companies

title companies
type number
format default

36.1.6 batteries

title batteries
type number
format default

36.1.7 detachment

title detachment

type number

format default

36.1.8 section

title section

type number

format default

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: [\[CWSS\]](#)

37.1 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

37.1.1 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

37.1.2 BattleName

title Battle name
type string
format default

37.1.3 BattleType

title Battle type
type string
format default

37.1.4 BeginDate

title Begin date
type date
format default

37.1.5 EndDate

title End date
type date
format default

37.1.6 State

title State
type string
format default
constraints

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

37.1.7 TheaterCode

title TheaterCode
type string
format default

37.1.8 CampaignCode

title CampaignCode
type string
format default

37.1.9 Result

title Result
type string
format default

37.1.10 TotalCasualties

title TotalCasualties
type integer
format default
constraints
 minimum 0

37.1.11 Comment

title Comment
type string
format default

37.1.12 ID

title ID
type integer
format default

37.1.13 ShortSummary

title Short summary

type string

format default

37.1.14 ShortSummarySource

title Short summary source

type string

format default

37.1.15 Summary

title Summary

type string

format default

37.1.16 SummarySource

title Summary source

type string

format default

37.1.17 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]*

38.1 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

38.1.1 CampaignCode

title Campaign code

type string

format default

38.1.2 CampaignName

title Campaign name
type string
format default

38.1.3 CampaignDates

title Campaign dates
type string
format default

38.1.4 CampaignStartDate

title Campaign start date
type date
format default

38.1.5 CampaignEndDate

title Campaign end date
type date
format default

38.1.6 TheaterCode

title Theater code
type string
format default

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`
- “Unittype”: 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 `Category`.

Sources:

39.1 Schema

category	string	category
abbr	string	abbr
description	string	Description

39.1.1 category

title category
type string
format default
constraints
enum ['SCharacter', 'Unittype', 'Function']

If “SCharacter”, an abbreviation for the column `special` (speical 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)*.

39.1.2 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)*.

39.1.3 description

title Description

type string

format 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]*

40.1 Schema

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

40.1.1 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

40.1.2 belligerent

title belligerent

type string

format default

constraints

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

40.1.3 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.

40.1.4 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: [\[CWSS\]](#)

41.1 Schema

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

41.1.1 BattlefieldCode

title BattlefieldCode

type string

format default

constraints

minLength 5

maxLength 6

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

CWSAC battle identifier

41.1.2 belligerent

title belligerent

type string

format default

constraints

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

41.1.3 TroopsEngaged

title Troops engaged

type integer

format default

constraints

minimum 0

Number of troops engaged. A value of “0” means missing.

41.1.4 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]*

42.1 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

42.1.1 PersonID

title PersonID

type string
format uuid

42.1.2 ID

title ID
type integer
format default

42.1.3 LastName

title LastName
type string
format default

42.1.4 Suffix

title Suffix
type string
format default

42.1.5 FirstName

title FirstName
type string
format default

42.1.6 MiddleName

title MiddleName
type string
format default

42.1.7 MiddleInitial

title MiddleInitial
type string
format default

42.1.8 Rank

title Rank
type string
format default

42.1.9 Bio

title Bio
type string
format default

42.1.10 BioSource

title BioSource
type string
format default

42.1.11 NarrativeLink1

title NarrativeLink1
type string
format default

42.1.12 NarrativeLink2

title NarrativeLink2
type string
format default

CWSS people data: keywords

name cwss_people_keywords
path cwss_people_keywords.csv
format csv

Sources:

43.1 Schema

PersonID	string	PersonID
Keyword	string	Keyword

43.1.1 PersonID

title PersonID
type string
format uuid

CWSS person identifier. See *CWSS people*.

43.1.2 Keyword

title Keyword
type string
format default

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:

44.1 Schema

unit_code	string	unit_code
side	string	Side
state	string	State
ordinal	string	ordinal
type	string	Type
special	string	Special
duplicate	number	duplicate
ethnic	string	ethnic
unit_name	string	Unit name
notes	string	Notes
func	string	func

44.1.1 unit_code

title unit_code

type string
format default

44.1.2 side

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

Side of each force

44.1.3 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.

44.1.4 ordinal

title ordinal
type string
format default

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

44.1.5 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.

44.1.6 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.

44.1.7 duplicate

title duplicate

type number

format default

44.1.8 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.

44.1.9 unit_name

title Unit name

type string

format default

44.1.10 notes

title Notes

type string

format default

44.1.11 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:

45.1 Schema

abbr	string	Abbreviation
name	string	Name

45.1.1 abbr

title Abbreviation

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z]{2}

45.1.2 name

title Name

type string

format default

CHAPTER 46

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 `battle.xml`.

Sources: *[CWSS]*

46.1 Schema

TheaterCode	string	Theater code
TheaterName	string	Theater name

46.1.1 TheaterCode

title Theater code

type string

format default

46.1.2 TheaterName

title Theater name

type string

format default

CWSS Unit Titles

name cwss_unit_tiles
path cwss_unit_tiles.csv
format csv

Sources:

47.1 Schema

state	string	state
side	string	side
title	string	Unit Title

47.1.1 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.

47.1.2 side

title side

type string
format default

47.1.3 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),

Campaigns, 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, etc. occurring 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](#)]

48.1 Schema

slug	string	slug
state	string	State
start_date	date	Start Date
end_date	date	End date
nature_location	string	nature_location
troops_engaged	string	troops_engaged
event_type	string	Event type
casualties	integer	Casualties
killed_wounded	number	Killed or Wounded
killed	integer	Killed
wounded	integer	Wounded
missing_captured	number	Missing Captured

48.1.1 slug

title slug
type string
format default

48.1.2 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

48.1.3 start_date

title Start Date
type date
format default

48.1.4 end_date

title End date
type date
format default

48.1.5 nature_location

title nature_location
type string
format default

48.1.6 troops_engaged

title troops_engaged
type string
format default

48.1.7 event_type

title Event type
type string
format default

Event type: action, skirmish, siege, etc

48.1.8 casualties

title Casualties
type integer
format default
constraints

minimum 0

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

48.1.9 killed_wounded

title Killed or Wounded
type number
format default
constraints

minimum 0

Union killed or wounded

48.1.10 killed

title Killed

type integer

format default

constraints

minimum 0

Union killed

48.1.11 wounded

title Wounded

type integer

format default

constraints

minimum 0

Union wounded

48.1.12 missing_captured

title Missing Captured

type number

format default

constraints

minimum 0

Union missing or captured

CHAPTER 49

dyer_to_cwsac

name dyer_to_cwsac

path dyer_to_cwsac.json

format json

Sources:

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]

50.1 Schema

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

50.1.1 date

title Date
type date
format default

50.1.2 event

title Event
type string
format default

Description of the event.

50.1.3 superevent

title superevent
type string
format default

50.1.4 subevent

title subevent
type string
format default

Eicher table of unit sizes

name eicher_units_table
path eicher_units_table.csv
format csv

Sources: *[eicher2002civil]*

51.1 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

51.1.1 belligerent

title belligerent
type string
format default

51.1.2 infantry

title infantry

type integer
format default

51.1.3 unit_type

title unit_type
type string
format default

51.1.4 low

title low
type integer
format default

51.1.5 high

title high
type integer
format default

51.1.6 avg

title avg
type number
format default

51.1.7 mode

title mode
type integer
format default

51.1.8 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 source 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 Springfield (Jan 8) [MO018] and Hatville (Jan 9-11) [MO019]. Union casualties are given separately for each battle.

Sources: [\[fox1898regimental\]](#)

52.1 Schema

Primary Key ['battle_id']

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
aggregates_battles	boolean	aggregates_battles
comment	string	comment
from_footnote	boolean	from_footnote

52.1.1 battle_id

title Battle Id.

type string

constraints

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

Unique battle identifier.

52.1.2 belligerent

title belligerent

type string

format default

constraints

enum ['Confederate', 'US']

52.1.3 battle_name

title Battle name

type string

format default

52.1.4 start_date

title start_date

type date

format default

Start date of the battle

52.1.5 end_date

title end_date

type date

format default

End date of the battle

52.1.6 state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z]{2}

State in which the battle took place.

52.1.7 killed

title Killed

type integer

format default

constraints

minimum 0

Number killed

52.1.8 wounded

title wounded

type integer

format default

constraints

minimum 0

Number wounded

52.1.9 missing

title missing

type integer

format default

constraints

minimum 0

Number missing

52.1.10 casualties

title casualties

type integer

format default

constraints

minimum 0

Number of casualties (killed, wounded, and missing)

52.1.11 aggregates_battles

title aggregates_battles

type boolean

format default

52.1.12 comment

title comment

type string

format default

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

52.1.13 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 Service 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]*

54.1 Schema

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

54.1.1 victor

title Victor

type string

format default

constraints

enum ['Union', 'Confederate']

54.1.2 victory_type

title Victory type

type string

format default

constraints

enum ['victory', 'assault', 'defense']

54.1.3 battle_name

title Battle name

type string

format default

54.1.4 state

title State

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z]{2}

54.1.5 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]

55.1 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

55.1.1 date

title date
type date
format default

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

55.1.2 description

title Description

type string

format default

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

55.1.3 confederate

title Confederate casualties

type number

format default

constraints

minimum 0

55.1.4 union

title Union casualties

type integer

format default

constraints

minimum 0

55.1.5 theater

title theater

type string

format default

constraints

enum ['Lower Seaboard', 'Trans-Mississippi', 'Eastern', 'Western']

Theater in which the combat casualties occurred.

55.1.6 cwsac_id

title Cwsac Id.

type string

format default

CWSAC battle associated with the casualties.

55.1.7 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 Church” is VA066 in CWSAC.

Corrections:

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

Sources: [*KennedyConservation1998*]

56.1 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

56.1.1 battle_id

title Battle

type string

format default

constraints

minLength 5

maxLength 6

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

Battle identifier

56.1.2 battle_name

title Battle name

type string

format default

56.1.3 state

title state

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z][A-Z]

56.1.4 county

title county
type string
format default

Counties in which the battle took place.

56.1.5 start_date

title Start Date
type date
format default

56.1.6 end_date

title End Date
type date
format default

56.1.7 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.

56.1.8 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.

56.1.9 casualties_text

title Casualties

type string

format default

56.1.10 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*]

57.1 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

57.1.1 battle_id

title Battle

type string

format default

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

Battle identifier These are almost the same as the Kennedy identifiers with a few exceptions. See the field `cwsac_id` for the CWSAC identifier. In a few battles the casualties include several battles. In these cases the identifiers are space separated.

57.1.2 belligerent

title belligerent**type** string**format** default**constraints****enum** ['US', 'Confederate', 'Native American']

57.1.3 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 minimum and maximum are set to the same value.

57.1.4 casualties_max

title Casualties (max)**type** integer**format** default**constraints****minimum** 0

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

57.1.5 killed_wounded_min

title Killed or Wounded (min)**type** integer**format** default

constraints**minimum** 0

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.

57.1.6 killed_wounded_max**title** Killed or Wounded (max)**type** integer**format** default**constraints****minimum** 0**57.1.7 missing****title** Missing or captured**type** integer**format** default**constraints****minimum** 0

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]*

58.1 Schema

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

58.1.1 date

title date
type date
format default

58.1.2 union_number

title No. on Union Rolls

type integer

format default

58.1.3 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 [p. 64],

In the endeavor to establish this ratio, the writer has gathered the number engaged and the number killed and wounded in each battle in which 1000 or more were hit on either side ...

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]*

59.1 Schema

battle_id	integer	battle_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

59.1.1 battle_id

title battle_id
type integer
format default

59.1.2 battle_name

title Battle name
type string
format default

59.1.3 page

title page
type integer
format default

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

59.1.4 start_date

title Start date
type date
format default

59.1.5 end_date

title End date
type date
format default

59.1.6 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]*

59.1.7 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]*

59.1.8 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.

59.1.9 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.

59.1.10 union_result

title Union result

type string

format default

constraints

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

Union result for the battle. Separate 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.

59.1.11 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.

59.1.12 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.

59.1.13 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]

60.1 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

60.1.1 battle_id

title battle_id
type integer

format default

60.1.2 belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

60.1.3 PersonID

title PersonID

type string

format uuid

CWSS PersonID of the commander. See *CWSS people*.

60.1.4 last_name

title Last Name

type string

format default

60.1.5 first_name

title First Name

type string

format default

60.1.6 middle_name

title Middle Name

type string

format default

60.1.7 middle_initial

title Middle Initial

type string

format default

60.1.8 rank

title Rank
type string
format default

60.1.9 navy

title navy
type 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]*

61.1 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

61.1.1 battle_id

title battle_id

type integer

format default

61.1.2 belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

61.1.3 str

title str

type integer

format default

constraints

minimum 0

61.1.4 kia

title Killed

type integer

format default

constraints

minimum 0

None

61.1.5 wia

title Wounded

type integer

format default

constraints

minimum 0

61.1.6 kw

title Killed or Wounded

type integer

format default

constraints

minimum 0

61.1.7 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: [\[jrno1d\]](#)

63.1 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

63.1.1 cwsac_id

title CWSAC Id.

type string

format default

constraints

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

63.1.2 confederate_ships

title confederate_ships

type integer

format default

63.1.3 us_ships

title Union ships

type integer

format default

Number of Union ships (including gunships, wooden warships, ironclads, and rams; excluding transports)

63.1.4 confederate_fortifications

title confederate_fortifications

type boolean

format default

Were any Confederate fortifications involved in the battle?

63.1.5 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:

64.1 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

64.1.1 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

64.1.2 belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

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

64.1.3 unit_code

title unit_code

type string

format default

64.1.4 companies

title companies

type number

format default

64.1.5 batteries

title batteries

type number

format default

64.1.6 detachment

title detachment

type number

format default

64.1.7 section

title section
type number
format default

64.1.8 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.

64.1.9 src

title Source
type string
format default

Original source for the CWSS data.

64.1.10 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 Virginia](#) (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 <<http://www.nps.gov/hps/abpp/CWSII/CWSACReportArkansasUpdate.pdf>>' (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	cwsac II
SC005	Fort Wagner I	C	7-10 to 7-11	7-10 to 7-11
SC007	Fort Wagner II	C	7-18 to 9-7	7-18
SC008	Fort Sumter II	I	8-17 to 12-31	8-17 to 9-8
SC009	Charleston Harbor II	C	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: [\[CWSAC1997\]](#), [\[CWSAC_AAD\]](#), [\[CWSAC_by_state\]](#), [\[CWSS\]](#), [\[CWSH\]](#), [\[CWSHIAL\]](#), [\[CWSHIAR\]](#), [\[CWSHICO\]](#), [\[CWSHIDC\]](#), [\[CWSHIFL\]](#), [\[CWSHIGA\]](#), [\[CWSHIIN\]](#), [\[CWSHIKS\]](#), [\[CWSHIKY\]](#), [\[CWSHILA\]](#), [\[CWSHIMD\]](#), [\[CWSIIMN\]](#), [\[CWSIIMO\]](#), [\[CWSIINC\]](#), [\[CWSIIND\]](#), [\[CWSIIOH\]](#), [\[CWSIIOK\]](#), [\[CWSIIPA\]](#), [\[CWSIISC\]](#), [\[CWSIITN\]](#), [\[CWSIITX\]](#), [\[CWSIIVA\]](#), [\[CWSIHWV\]](#)

65.1 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

65.1.1 cwsac_id

title cwsac_id
type string
format default

65.1.2 battle_name

title battle_name
type string
format default

65.1.3 cwss

title cwss
type boolean
format default

65.1.4 cwsac

title cwsac
type boolean
format default

65.1.5 cws2

title cws2
type boolean
format default

65.1.6 aad

title aad
type boolean
format default

65.1.7 notall

title notall
type boolean
format 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:

66.1 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

Continued on next page

Table 1 – continued from previous page

cwsac_url	string	cwsac_url
other_names	string	other_names
partof_cwsac	boolean	Part of CWSAC
cws2_url	string	cws2_url
study_area	number	Study Area
core_area	number	Core Area
potnr_boundary	number	potnr_boundary
partof_cws2	boolean	partof_cws2
interpretive_political	integer	interpretive_political
interpretive_commander_loss	integer	interpretive_commander_loss
interpretive_casualties	integer	interpretive_casualties
interpretive_tactics_strategy	integer	interpretive_tactics_strategy
interpretive_public_mind	integer	interpretive_public_mind
interpretive_combat_arm	integer	interpretive_combat_arm
interpretive_military_firsts	integer	interpretive_military_firsts
interpretive_minority_troops	integer	interpretive_minority_troops
interpretive_economic	integer	interpretive_economic
interpretive_archaelolgal	integer	interpretive_archaelolgal
interpretive_logistics	integer	interpretive_logistics
interpretive_individual_bravery	integer	interpretive_individual_bravery
interpretive_group_behavior	integer	interpretive_group_behavior
interpretive_joint_ops	integer	interpretive_joint_ops
interpretive_coop_armies	integer	interpretive_coop_armies
interpretive_naval	integer	interpretive_naval
significance_jim	string	significance_jim
significance_ed	string	significance_ed
significance_bill	string	significance_bill
aad_url	string	aad_url
battle_type	string	Battle Type
partof_aad	boolean	partof_aad
lat	number	Latitude
long	number	Longitude
state	string	State
strength_mean	number	strength_mean
strength_var	number	strength_var
casualties_kwm_mean	number	casualties_kwm_mean
casualties_kwm_var	number	casualties_kwm_var
comment	string	comment

66.1.1 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

66.1.2 battle_name

title battle_name

type string

format default

66.1.3 start_date

title Start date

type date

format default

66.1.4 end_date

title End date

type date

format default

66.1.5 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.

66.1.6 campaign_code

title campaign_code

type string

format default

constraints

pattern (LS|ME|MW|PC|TM)[0-9]{3}-[0-9]{2}

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

66.1.7 result

title result

type string

format default

constraints

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

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

66.1.8 cwss_url

title CWSS URL

type string

format url

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

66.1.9 partof_cwss

title Part of CWSS

type boolean

format default

Was this battle included in the CWSS.

66.1.10 operation

title operation

type boolean

format default

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

66.1.11 forces_text

title Forces text

type string

format default

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

66.1.12 casualties_text

title Casualties text

type string

format default

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

66.1.13 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.

66.1.14 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.

66.1.15 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.

66.1.16 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.

66.1.17 other_names

title other_names

type string

format default

66.1.18 partof_cwsac

title Part of CWSAC

type boolean

format default

Was this battle included in the 1993 CWSAC Report.

66.1.19 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>>.

66.1.20 study_area

title Study Area

type number

format default

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

66.1.21 core_area

title Core Area

type number

format default

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

66.1.22 potnr_boundary

title potnr_boundary
type number
format default

66.1.23 partof_cws2

title partof_cws2
type boolean
format default

66.1.24 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*

66.1.25 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*

66.1.26 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*

66.1.27 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*

66.1.28 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*

66.1.29 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*

66.1.30 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*

66.1.31 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*

66.1.32 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*

66.1.33 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*

66.1.34 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*

66.1.35 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*

66.1.36 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*

66.1.37 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*

66.1.38 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*

66.1.39 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*

66.1.40 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*

66.1.41 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*

66.1.42 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*

66.1.43 aad_url

title aad_url

type string

format URL

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

66.1.44 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.

66.1.45 partof_aad

title partof_aad

type boolean

format default

66.1.46 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.

66.1.47 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.

66.1.48 state

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

66.1.49 strength_mean

title strength_mean
type number
format default

66.1.50 strength_var

title strength_var
type number
format default

66.1.51 casualties_kwm_mean

title casualties_kwm_mean
type number
format default

66.1.52 casualties_kwm_var

title casualties_kwm_var
type number
format default

66.1.53 comment

title comment
type string
format default

NPSA Battles to Dbpedia/Wikipedia Correspondence

name nps_battles_to_wiki
path nps_battles_to_wiki.csv
format csv

Sources: *[jrnold]*

67.1 Schema

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

67.1.1 cwsac_id

title CWSAC Id
type string
format default
constraints
pattern [A-Z]{3}[0-9]{2}

CWSAC ID

67.1.2 dbpedia_uri

title Dbpedia URI

type url

format default

URI of the dbpedia resource for the battle.

67.1.3 wikipedia_title

title Wikipedia Page

type string

format default

Title of the English Wikipedia page for the battle.

67.1.4 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:

68.1 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

68.1.1 CampaignCode

title CampaignCode

type string

format default

constraints

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

CWSS Campaign Code

68.1.2 CampaignName

title Campaign Name

type string

format default

68.1.3 CampaignDates

title CampaignDates

type string

format default

Dates of the campaign (as a string)

68.1.4 CampaignStartDate

title Start Date

type string

format default

68.1.5 CampaignEndDate

title End Date

type date

format default

68.1.6 TheaterCode

title TheaterCode

type string

format default

constraints

pattern [A-Z]{2}

68.1.7 WikipediaPage

title Wikipedia Page

type string

format default

Title of the English Wikipedia page for the campaign

68.1.8 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:

69.1 Schema

cwsac_id	string	cwsac_id
belligerent	string	belligerent
commander_number	integer	commander_number
commander	string	commander
added	boolean	added
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
navy	boolean	navy

69.1.1 cwsac_id

title cwsac_id

type string
format default

69.1.2 belligerent

title belligerent
type string
format default

69.1.3 commander_number

title commander_number
type integer
format default

69.1.4 commander

title commander
type string
format default

69.1.5 added

title added
type boolean
format default

69.1.6 last_name

title last_name
type string
format default

69.1.7 suffix

title suffix
type string
format default

69.1.8 first_name

title first_name

type string

format default

69.1.9 middle_name

title middle_name

type string

format default

69.1.10 middle_initial

title middle_initial

type string

format default

69.1.11 rank

title rank

type string

format default

69.1.12 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. $\text{var}(x) = \frac{1}{12}10^k$, where k is the number of zeros in the value.

Sources:

70.1 Schema

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)

70.1.1 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

70.1.2 belligerent

title belligerent

type string

format default

constraints

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

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

70.1.3 casualties_kwm_mean

title Casualties (mean)

type number

format default

constraints

minimum 0

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

70.1.4 casualties_k_mean

title Killed (mean)

type number

format default

constraints

minimum 0

Number killed. Mean estimate.

70.1.5 casualties_w_mean

title Wounded (mean)

type number

format default

constraints

minimum 0

Number wounded. Mean estimate.

70.1.6 casualties_m_mean

title Missing or captured (mean)

type number

format default

constraints

minimum 0

Number missing or captured. Mean estimate.

70.1.7 casualties_kwm_var

title Casualties (variance)

type number

format default

constraints

minimum 0

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

70.1.8 casualties_k_var

title Killed (variance)

type number

format default

constraints

minimum 0

Number killed. Variance of estimate.

70.1.9 casualties_w_var

title Wounded (variance)

type number

format default

constraints

minimum 0

Number killed. Variance of estimate.

70.1.10 casualties_m_var

title Missing or captured (variance)

type number

format default

constraints

minimum 0

Number missing or captured. Variance of estimate.

70.1.11 casualties_kw_mean

title Killed or wounded (mean)

type number

format default

constraints

minimum 0

70.1.12 casualties_kw_var

title Killed or wounded (variance)

type number

format default

constraints

minimum 0

70.1.13 strength_mean

title Personnel (mean)

type number

format default

constraints

minimum 0

70.1.14 strength_var

title Personnel (variance)

type number

format default

constraints

minimum 0

70.1.15 casualties_km_mean

title Killed or missing (mean)

type number

format default

constraints

minimum 0

70.1.16 casualties_wm_mean

title Wounded or missing (mean)

type number

format default

constraints

minimum 0

70.1.17 casualties_km_var

title Killed or missing (variance)

type number

format default

constraints

minimum 0

70.1.18 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, humanformat, and manual matching.

Sources:

71.1 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

71.1.1 person_id

title person_id
type string
format default

71.1.2 last_name

title last_name
type string
format default

71.1.3 suffix

title suffix
type string
format default

71.1.4 first_name

title first_name
type string
format default

71.1.5 middle_name

title middle_name
type string
format default

71.1.6 middle_initial

title middle_initial
type string
format default

71.1.7 rank

title rank
type string
format default

71.1.8 bio

title bio
type string
format default

71.1.9 bio_source

title bio_source
type string
format default

71.1.10 narrative_link_1

title narrative_link_1
type string
format default

71.1.11 narrative_link_2

title narrative_link_2
type string
format default

71.1.12 added

title added
type boolean
format default

71.1.13 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:

72.1 Schema

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

72.1.1 TheaterCode

title Theater Code

type string

format default

constraints

pattern [A-Z]{2}

CWSS Theater Code

72.1.2 TheaterName

title Theater Name

type string

format default

72.1.3 WikipediaCategory

title Wikipedia Category

type string

format default

Title of the English Wikipedia category for the theater.

Sources:

72.1.4 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 `nps_units.ethnic`.

Sources:

73.1 Schema

abbr	string	abbr
description	string	description

73.1.1 abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

73.1.2 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:

74.1 Schema

abbr	string	abbr
description	string	description

74.1.1 abbr

title abbr
type string
format default
constraints
 minLength 1
 maxLength 1

74.1.2 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 `nps_units.special`.

Sources:

75.1 Schema

abbr	string	abbr
description	string	description

75.1.1 abbr

title abbr

type string

format default

constraints

minLength 1

maxLength 1

75.1.2 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 `nps_units.type`.

Sources:

76.1 Schema

abbr	string	abbr
description	string	description

76.1.1 abbr

title abbr
type string
format default
constraints
 minLength 1
 maxLength 1

76.1.2 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:

77.1 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

77.1.1 unit_code

title unit_code

type string

format default

77.1.2 unit_name

title unit_name

type string

format default

Unit name.

77.1.3 belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

77.1.4 state

title state

type string

format default

constraints

minLength 2

maxLength 2

pattern [A-Z]{2}

77.1.5 ordinal

title ordinal

type string

format default

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

77.1.6 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..

77.1.7 func

title func

type string

format default

Unit function. Examples include: “Artillery”, “Cavalry”, “Infantry”.

77.1.8 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.

77.1.9 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.

77.1.10 duplicate

title duplicate

type number

format default

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

77.1.11 dbpedia_uri

title dbpedia_uri

type string

format default

dbpedia uri for additional information about units

CHAPTER 78

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.

79.1 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 assault 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 engagements This battle is linked to all battles in *Price's Missouri Expedition* <http://en.wikipedia.org/wiki/Category:Battles_of_Price%27s_Missouri_Expedition_of_the_American_Civil_War>
- 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](#)]

79.1.1 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 name

type string

format 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 date
type date
format default

surrender

title surrender
type boolean
format default

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*]

80.1 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

80.1.1 battle_id

title Battle

type integer

format default

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

80.1.2 start_date

title start_date

type string

format default

80.1.3 end_date

title end_date

type date

format default

80.1.4 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.

80.1.5 location

title Location

type string

format default

80.1.6 state

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

80.1.7 battle_name

title Battle name
type string
format default

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 enagements (*Phisterer (1883) chronological list of engagements*).

Sources: [*Phisterer1883*]

81.1 Schema

year	integer	Year
engagements	integer	Numbe of Engagements

81.1.1 year

title Year

type integer

format default

81.1.2 engagements

title Numbe of Engagements

type integer

format default

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*]

82.1 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

82.1.1 battle_id

title battle_id
type integer
format default

82.1.2 belligerent

title belligerent

type string

format default

constraints

enum ['US', 'Confederate']

82.1.3 casualties

title casualties

type number

format default

constraints

minimum 0

82.1.4 killed

title killed

type number

format default

constraints

minimum 0

82.1.5 wounded

title wounded

type number

format default

constraints

minimum 0

82.1.6 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]

84.1 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

84.1.1 period

title Period

type Time period of the turning point

format default

84.1.2 start_date

title Start Date

type date

format default

84.1.3 description

title Description

type string

format default

Brief description of the turning point

84.1.4 favor

title War Favor

type string

format default

constraints

enum ['Union', 'Confederacy']

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

84.1.5 war_aims_change

title War Aims Change

type string

format default

Did either side change war aims in the following period?

84.1.6 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 shenandoah_battles.csv

format csv

Sources: [\[NPS1992\]](#)

86.1 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

86.1.1 battle_id

title Battle Id.

type integer

format default

Unique identifier in the Shenandoah data.

86.1.2 battle_name

title Battle Name
type string
format default

86.1.3 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*.

86.1.4 start_date

title Start Date
type date
format default

86.1.5 end_date

title End Date
type date
format default

86.1.6 campaign

title Campaign
type string
format default

86.1.7 county

title County
type string
format default

County of the battle

86.1.8 url

title url

type string

format default

NPS Shenandoah Report battle data: commanders

name shenandoah_commanders

path shenandoah_commanders.csv

format csv

Sources: [\[NPS1992\]](#)

87.1 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

87.1.1 battle_id

title battle_id

type integer

format default

87.1.2 cwsac_id

title cwsac_id

type string

format default

87.1.3 belligerent

title belligerent

type string

format default

87.1.4 last_name

title Last name

type string

format default

87.1.5 first_name

title First name

type string

format default

87.1.6 middle_name

title Middle name

type string

format default

87.1.7 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: [\[NPS1992\]](#)

88.1 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

88.1.1 battle_id

title battle_id

type integer

format default

88.1.2 belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

88.1.3 description

title Description

type string

format default

88.1.4 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.

88.1.5 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.

88.1.6 casualties_text

title casualties_text

type string

format default

Text describing the casualties of the battle.

88.1.7 casualties

title Casualties

type integer

format default

constraints

minimum 0

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

88.1.8 killed

title Killed

type integer

format default

constraints

minimum 0

88.1.9 wounded

title Wounded

type integer

format default

constraints

minimum 0

88.1.10 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]*

89.1 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

89.1.1 ship_id

title Ship identifier

type string

format default

89.1.2 name

title Ship name

type string

format default

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

89.1.3 belligerent

title Belligerent

type string

format default

constraints

enum ['US', 'Confederate']

89.1.4 url_dbpedia

title dbpedia Link

type string

format url

URI of the dbpedia.org resource.

89.1.5 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](#).

89.1.6 notes

title notes

type string

format default

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: *[jrno1d]*

90.1 Schema

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

90.1.1 cwsac_id

title CWSAC Id.

type string

format default

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

90.1.2 belligerent

title Belligerent

type string

format default

90.1.3 ship

title Ship name

type string

format 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* <<http://www.washingtonpost.com/wp-srv/lifestyle/special/civil-war-interactive/civil-war-battles-and-casualties-interactive-map/>>

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]

91.1 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	Type
killed	integer	Killed
usCasTot	integer	Total US casualties
csCasTot	integer	Total Confederate casualties

91.1.1 battleNum

title Battle number

type integer

format default

Battle identifier number

91.1.2 battleDetail

title Battle details

type string

format default

Description of the battle

91.1.3 beginDate

title Begin date

type date

format default

91.1.4 endDate

title End date

type date

format default

91.1.5 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.

91.1.6 lat

title Latitude

type number

format default

91.1.7 lng

title Longitude

type number

format default

91.1.8 shrtNm

title Short name

type string

format default

91.1.9 desc

title Description

type string

format default

91.1.10 type

title Type

type string

format default

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

91.1.11 killed

title Killed
type integer
format default

91.1.12 usCasTot

title Total US casualties
type integer
format default

91.1.13 csCasTot

title Total Confederate casualties
type integer
format 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 simulated. 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]*

92.1 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

92.1.1 belligerent

title belligerent

type string
format default

92.1.2 unit_type

title unit_type
type string
format default

92.1.3 mean

title mean
type number
format default

92.1.4 sd

title sd
type number
format default

92.1.5 p025

title p025
type number
format default

92.1.6 p25

title p25
type number
format default

92.1.7 median

title median
type number
format default

92.1.8 p75

title p75

type number

format default

92.1.9 p975

title p975

type number

format default

wikipedia_battles

name wikipedia_battles
path wikipedia_battles.csv
format csv

Sources:

93.1 Schema

battle_id	string	battle_id
id	number	id
cwsac_id	string	cwsac_id

93.1.1 battle_id

title battle_id
type string
format default

93.1.2 id

title id
type number
format default

93.1.3 cwsac_id

title cwsac_id

type string

format default

wikipedia_forces

name wikipedia_forces
path wikipedia_forces.csv
format csv

Sources:

94.1 Schema

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

94.1.1 battle_id

title battle_id
type string
format default

94.1.2 belligerent

title belligerent
type string
format default

94.1.3 strength_min

title strength_min
type number
format default

94.1.4 strength_max

title strength_max
type number
format default

94.1.5 casualties_min

title casualties_min
type number
format default

94.1.6 casualties_max

title casualties_max
type number
format default

94.1.7 killed_min

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94.1.8 killed_max

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94.1.9 wounded_min

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94.1.10 wounded_max

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94.1.11 missing_min

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94.1.12 missing_max

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94.1.13 captured_min

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94.1.14 captured_max

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94.1.15 killed_wounded_min

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94.1.16 killed_wounded_max

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94.1.17 wounded_missing_min

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94.1.18 wounded_missing_max

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94.1.19 captured_missing_min

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94.1.20 captured_missing_max

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Indices and tables

- `genindex`
- `modindex`
- `search`

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