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Historical Conflicts Search Engine



Information Processing and Retrieval

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01

Introduction



Introduction



In this milestone we explore historical conflicts. We gathered data about armed human disputes from all around the world from various periods in history.



02

Datasets

Datasets



Wikidata

We gathered a list of 9134
“historical events” using a
SPARQL query



Wikipedia

For each event we added the
corresponding summary from its
Wikipedia page

Pipeline

You can enter a subtitle
here if you need it



Pipeline

Collect list of events
from Wikidata
website

Output to a json file

Add summary and
more statements
from Wikidata

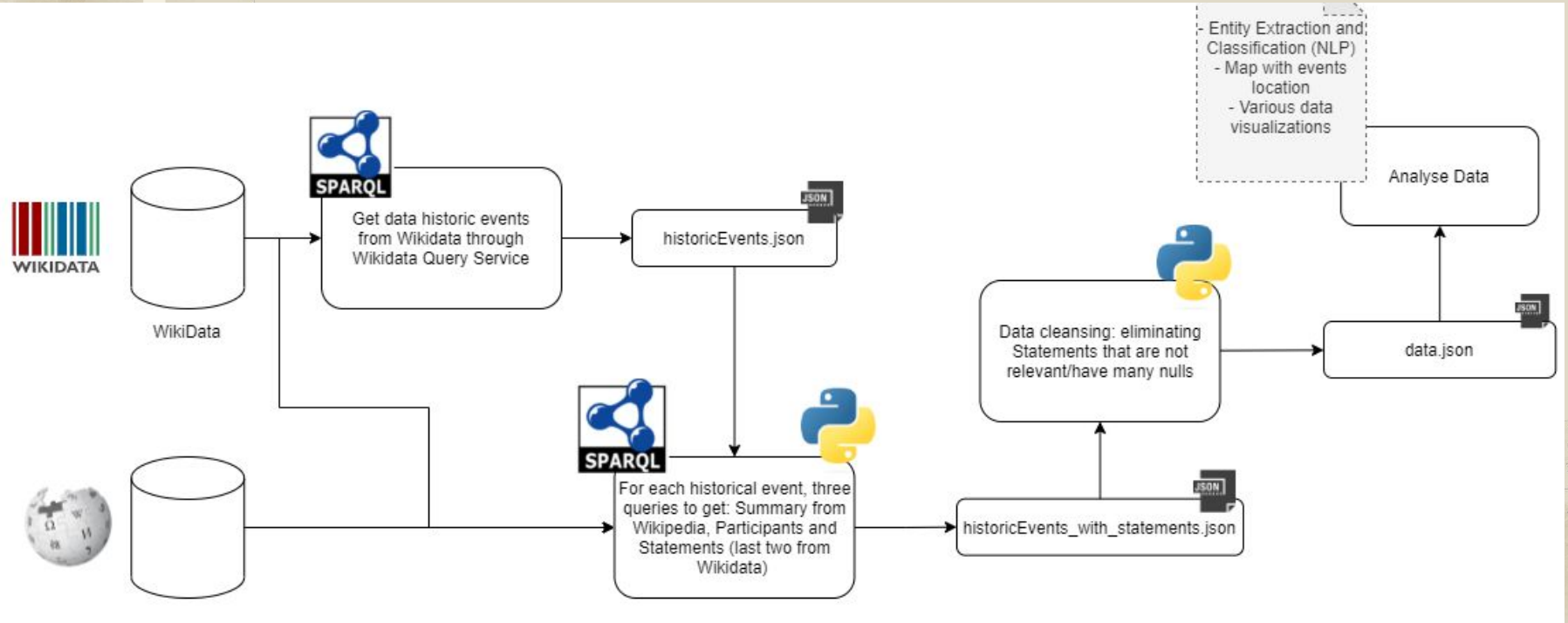
In *fill_events.py*, for each event
the Wikipedia page summary is
retrieved and we query Wikidata
for more information

Processing

In *processing.py*, the full data, in a json file, is
applied some filters and flattened. Output to
both json and csv



Pipeline

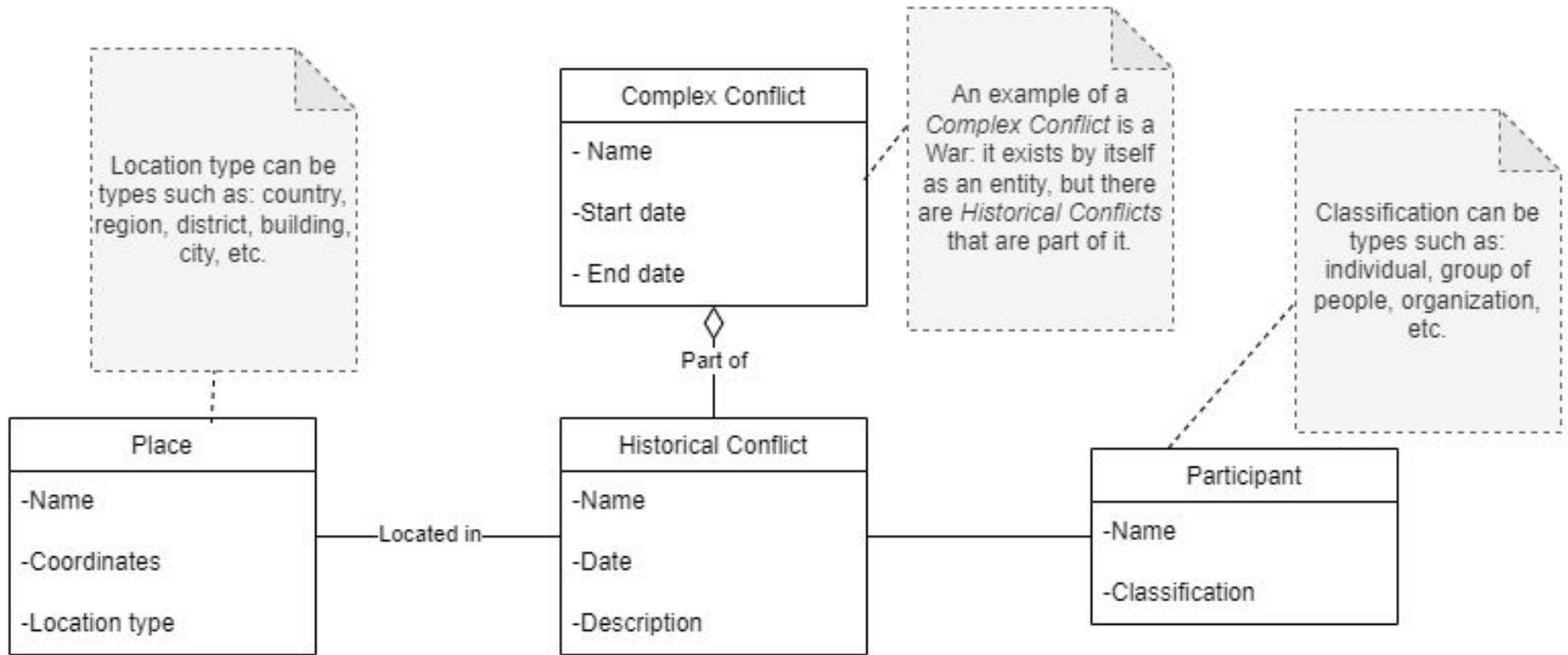


Model

04



Model



05

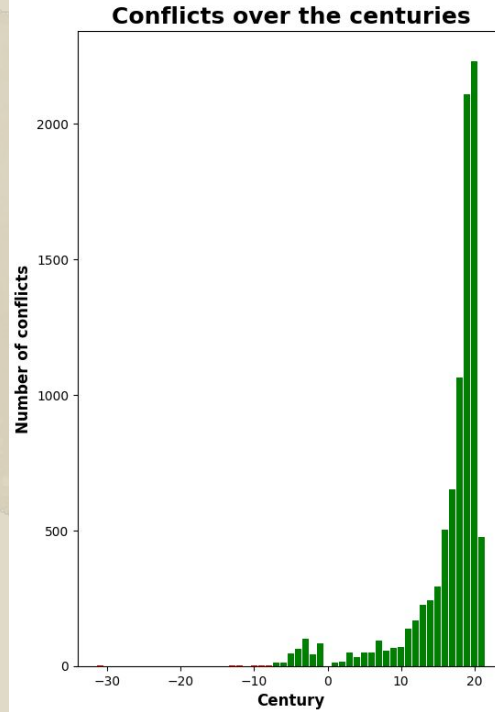
Characterization

+

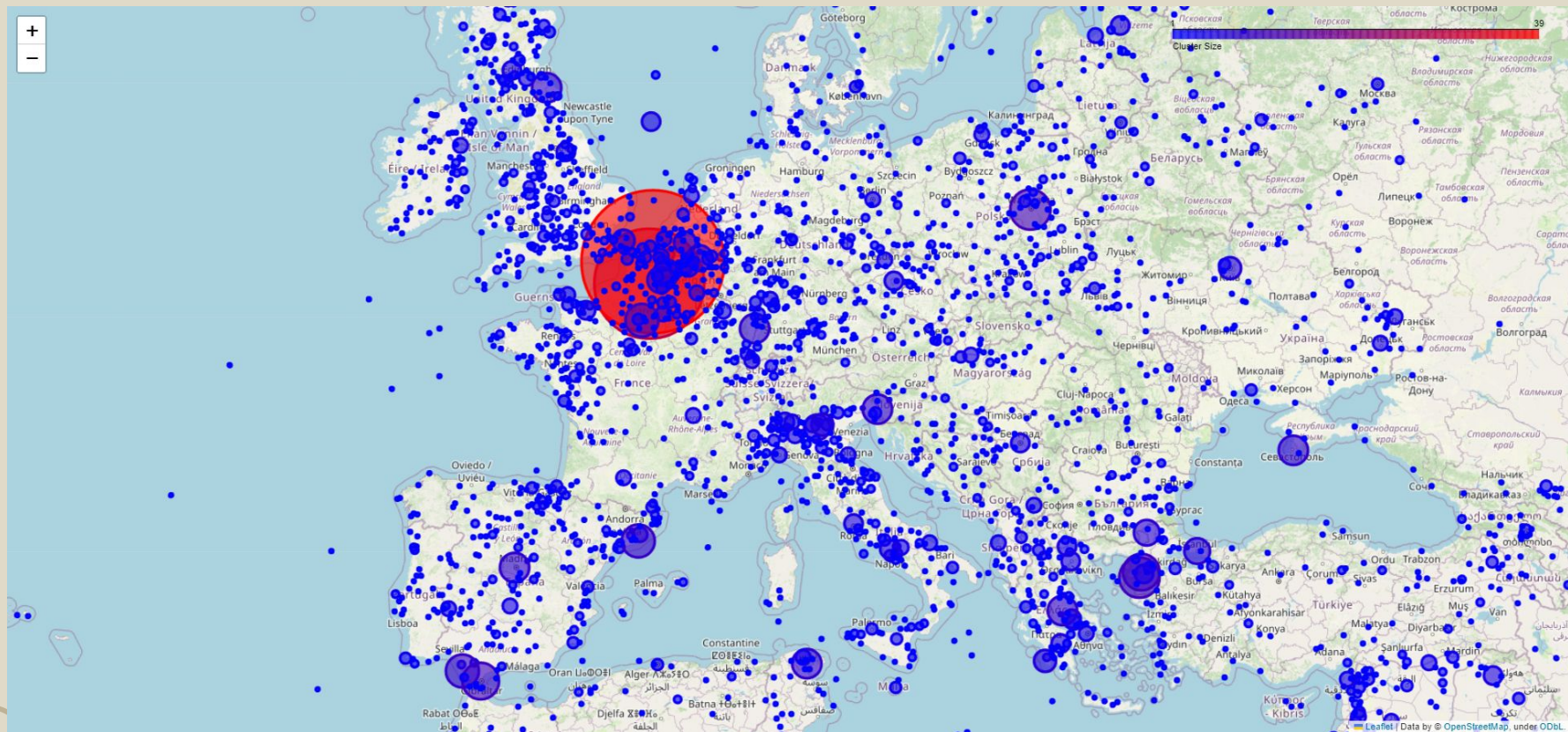


Characterization

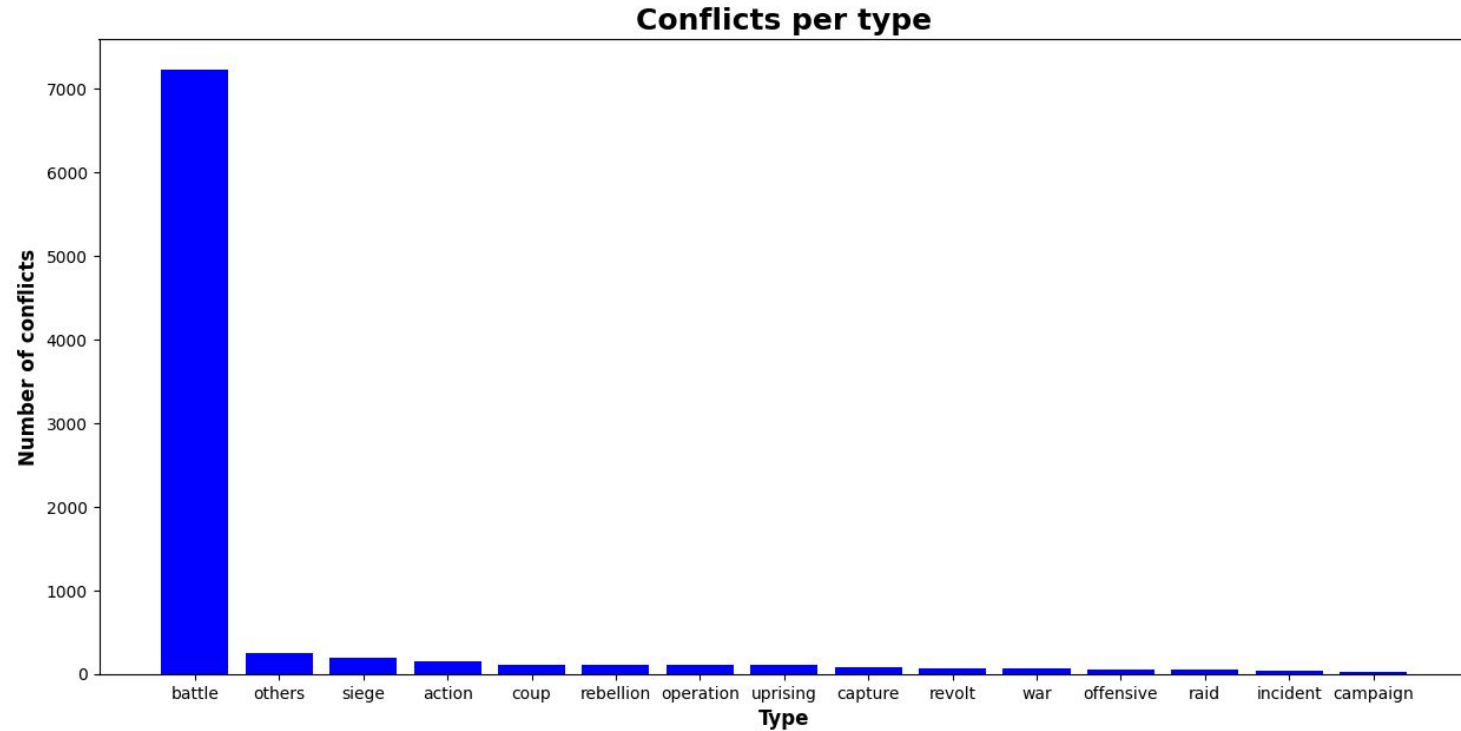
Oldest event: **Battle of Banquan** in 30.000 BC.



Characterization



Characterization



Characterization

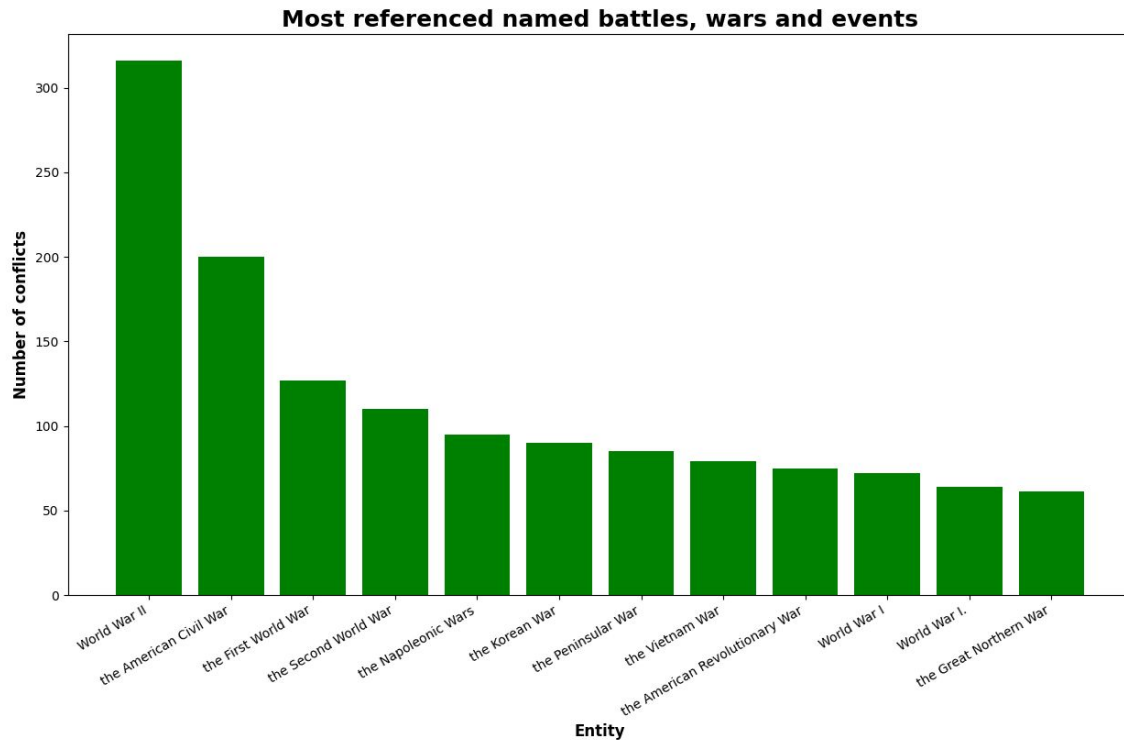


Characterization

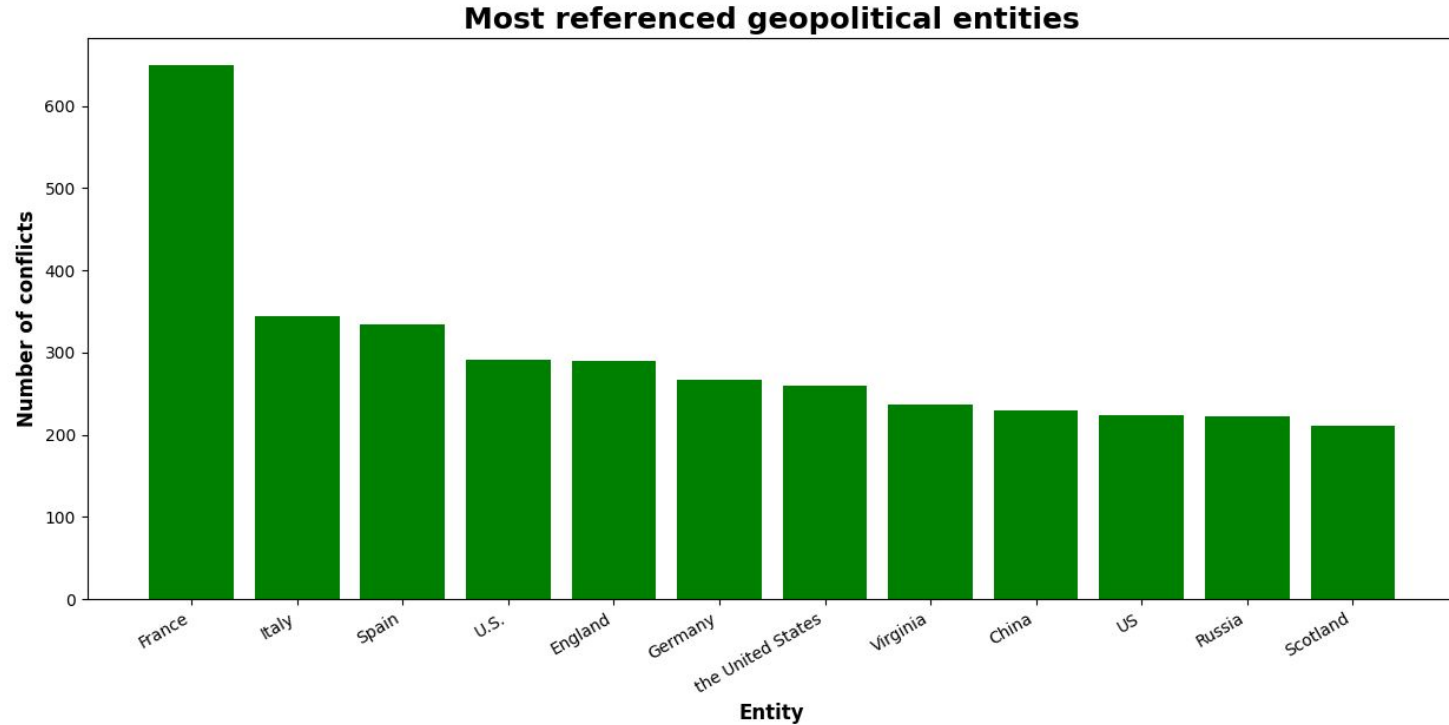
Wordcloud of event summaries



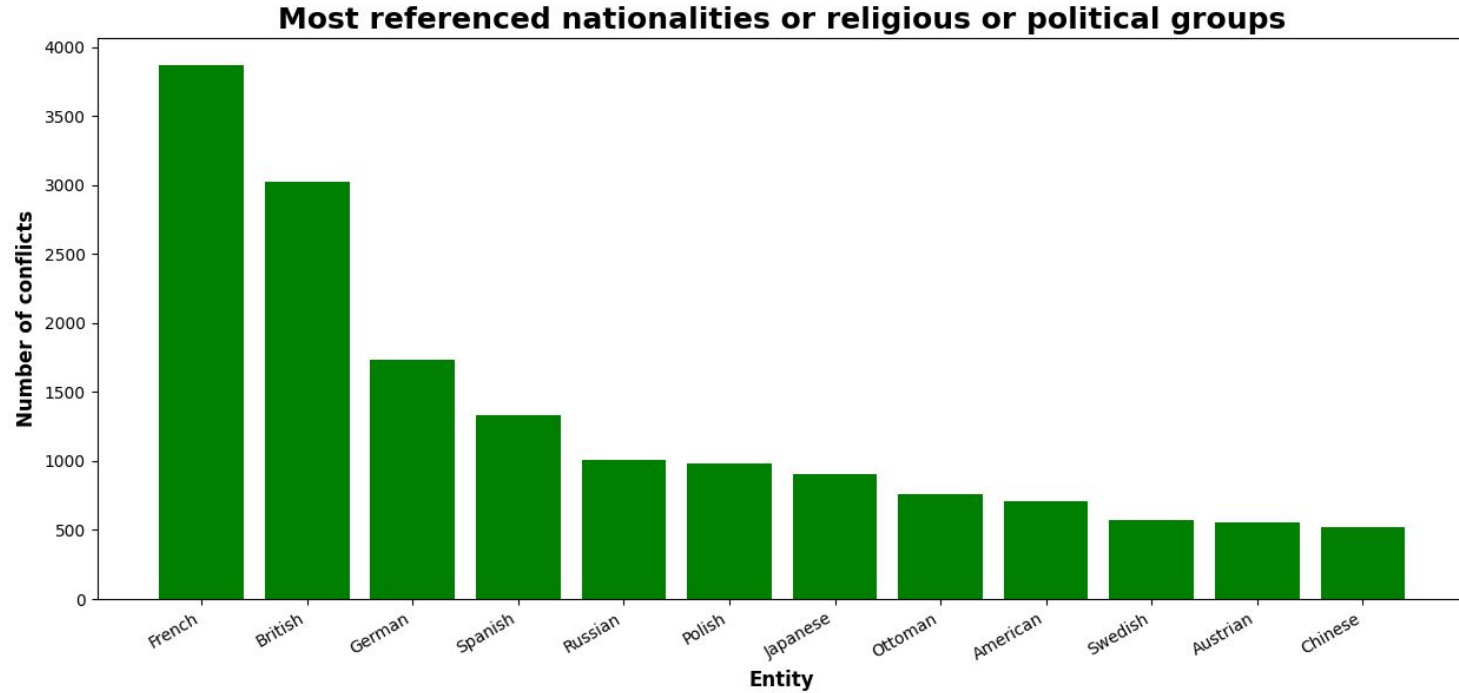
Characterization



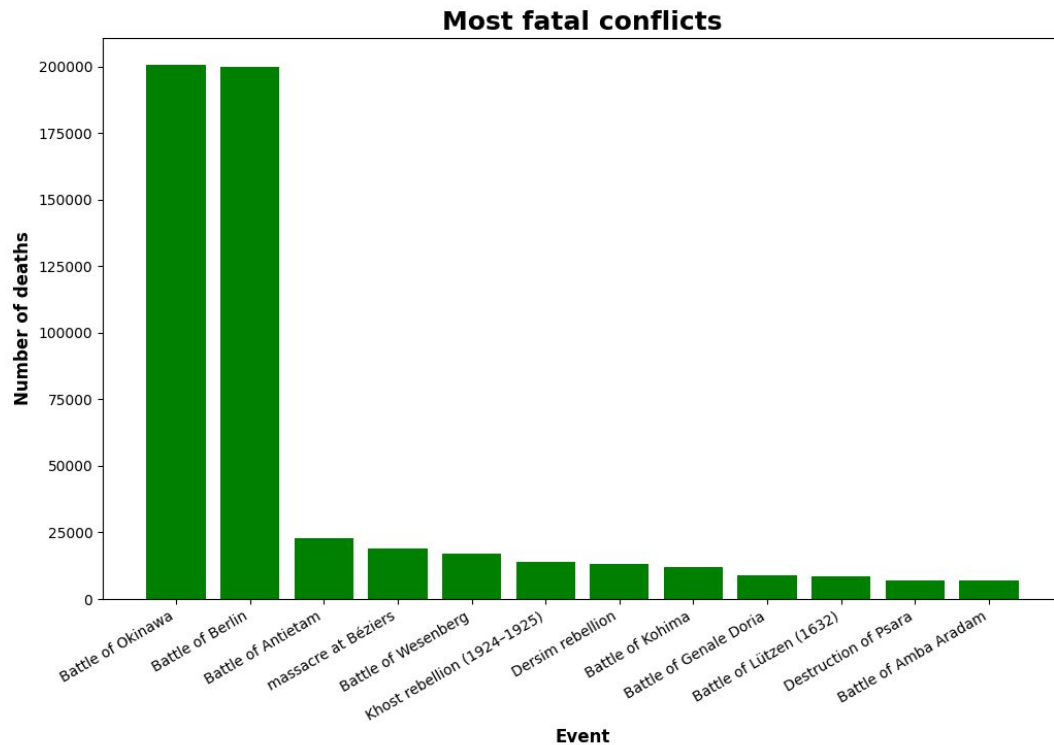
Characterization



Characterization



Characterization





06

Search Scenarios



Search Scenarios

1

Who participated in the biggest battles of the 19th century?

2


What were the deadliest battles in Europe related to World War I?

3

In which battles did the Portuguese participate between 1300 and 1800?

4

What were the consequences of the Spanish Civil War?



Conclusions



Conclusion in numbers

9134

Events gathered from
Wikidata

8998

Events with summary
suitable for use

5664

Contain an image

3240

Contain a list of participants

557025

Number of
registered deaths in
the dataset

Conclusion

We may not have collected every past conflict or not even all battles that we can think of, but we believe to have gathered and processed a decent sample into a coherent dataset. The text description of each conflict will allow us to further extract relevant and interesting information in our future search engine.





Thanks

Do you have any questions?

