**Method**

In this study, a visualization app is designed to investigate the common people living in the Dutch Republic and Austrian Netherlands between 1770 and 1815. The app is built by python Plotly(version 5.11.0) and Streamlit(version 1.14.0). The app allows the users to visualize geographical locations mentioned in the specific chronicles in a user-defined time range. It also helps to investigate connection among different chronicles while adding edges between the mentioned locations and where the chronicles are written. The users can select their interest chronicles and time range and explore the possible historical meanings.

Process XML format chronicle files

Date (datum tag): monthly resolution, normalized manually

Location (locatie tag): manually normalized modern location, has a geoname ID

Map Visualization

A summary table to summarize the locations shown on the map

Every mentioned location is shown on the map, coordinated by latitude and longitude.

Hover info: the content of chronicles mentioned that location

Mentioned date