

Data visualization opportunity for research project on LGBTQ exile writers: Requirement specifications

I'm an assistant professor in American literature based at the University of Innsbruck working on a digital humanities research project titled "Networks of Anglophone LGBTQ Exile Writers from 1900 to 1969." I am looking for a company with experience in data visualization to produce a range of visualizations based on an initial data sample from the project's Airtable relational database. The database contains information on connections between a broad spectrum of LGBTQ exile writers, specifically on their physical meetings and creative exchanges.

The company chosen to produce the visualizations should present them on **an open-access interactive website**, which should be synced with the project data so that it dynamically updates through Airtable's APIs and integration services, such as Zapier or Sync Inc, as the data sets expand:

<https://support.airtable.com/hc/en-us/articles/360053288793-Airtable-integration-options>

https://syncinc.so/?utm_source=airtable&utm_medium=community_post&utm_campaign=show_and_tell

I am interested in the following types of visualization:

- **Mapping** of meetings between writers and their migration patterns based on geographical coordinates contained in the database (GIS)
- **Parallel-axis displays** that show the degrees of separation between writers
- **Bipartite graphs** that show connections between locations and writers
- **Force-directed graphs** that show all the connections between writers

The graphs will be developed in conversation with the company chosen to produce them, who will also advise on the most effective network visualizations to present the information contained in the database.

There are two stages to the job:

- **Stage 1:** To produce static test visualizations based on a small data sample in **June 2021**. The cost of these initial visualizations should not exceed 333 euros (excl. VAT).
- **Stage 2:** To produce a full range of visualizations to be published on a dynamic interactive website synced with the project database in **July and August 2021**.

Your offer/estimate for the job should itemize the costs for both the test visualizations (stage 1) and the production of the final range of visualizations on the interactive website (stage 2).

For more information about the job, please contact me via email:

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I look forward to hearing from you.

Yours faithfully,

Benjamin Robbins