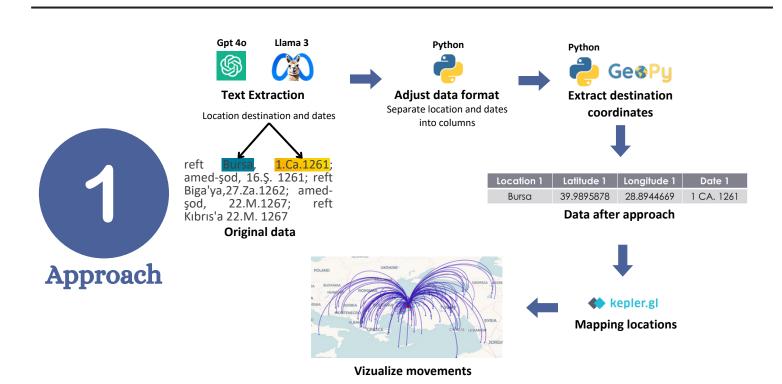
Exploring Migratory Movements in the Late Ottoman Empire (1838 - 1858)

This study examined Greek Orthodox communities using a dataset from Ottoman census records (Defters) in Tatavla, a historic neighborhood in Istanbul, Türkiye. The study focuses on **frequency** and bivariate analysis regarding people's movements. The data posed challenges in format and language. To overcome these, large language models (LLMs) and geocoders were used in a semi-automated data cleaning process, including standardizing data formats and identifying names of location destinations, with corresponding coordinates. Places of origin coordinates were manually extracted using Google Maps.* Destination coordinates were obtained using Geopy.

This study is part of İstanΠόλις Collaborative's Ottoman Census Registers project at UC Berkeley.





curved lines indicate movements from the place of origin of the records to the central point.

curved lines movements from the central point (Tatavla) to destinations.

341 places of origin.

225 destination places.

with 2,419 records outgoing movements.

80.36% people register traveled to their place of origin. 99% stayed.



Profession



Blacksmiths carpenters were the most common professions.

834 blacksmiths and 716 in carpenters dataset (470 and 49 respectively contained movement information).

99% of the blacksmiths traveled to their place of origin and stayed there.

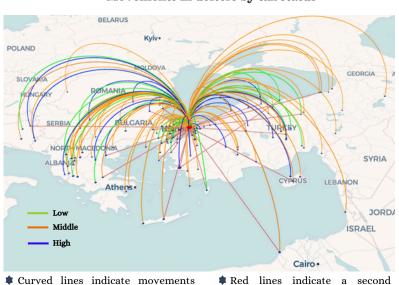
14% of the carpenters who traveled to their places of origin then returned to Tatavla.



curvedlines indicate movements from the central point (Tatavla) to destination 1.

Red lines indicate second movement from destination 1.

Movements in defters by tax status



Curved lines indicate movements from the central point (Tatavla) to destination 1.

1744 records with tax status and movements information (10% low, 74% middle, 16% high).

of people place traveled to a different from their place of origin. 60% of them stayed there.

86% of those with **middle** tax status traveled to their place of origin. 99% of them stayed there.

67% of those with **high tax** status traveled to their places of origin. 99% of them stayed there.



Red lines indicate a second movement from destination 1.

> Analyses focused on aspects https://shorturl.at/RrJ3W

To see the **interactive map** and **more infographics** visit the storymodelers Github

Interactive map

https://shorturl.at/z2bwC