**An Exercise in Open Data: Mapping Istanbul’s Health Services**

**What is this?**

This is a short report – like project that aims to reveal some interesting patterns or possible inequalities regarding the distribution of health services in my home city Istanbul. It also serves as a hands-on project where I get to exercise my data manipulation and visualization skills in Python.

**Technical Details**

This project is fueled by open data and open data only.

* Data about healthcare service providers comes from Istanbul Metropolitan Municipality’s Open Data service.
* The geospatial data that made mapping possible comes from the OpenStreetMap database.

This whole project was done with **Python**.

* The data cleaning and analysis part relies on the **Pandas** package. I have done considerable amounts of cleaning and pre-processing to shape the data into a format that was easier to work with.
* Visualizations are done in pure **Matplotlib** without the help of extra packages like Seaborn. I did this as a challenge to exercise my Matplotlib skills and to learn the package in deeper detail.
* For geospatial data, I have used the **Geopandas** package which is built on top of Pandas.