

Mobility Flows Prediction with Neural Networks>

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An open-source implementation of prediction models for predicting traffic flows between a region of the city and all the others, based on a Graph Neural Network approach.

Code Workflow

The code implements two phases.

The first one reads the raw data sources, namely the mobility data, road network, the POIs from OSM and Airbnb, splits the space into a grid and computes flows between cells and various mobility and POI-based features.

The second phase takes the resulting enriched graph and builds a predictive model. The output of the tool is the set of flows predictions between a query location and all the other origin/destinations.

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