The task is done in python 3 using the Jupyter Notebook. The file name is Conda_Task.ipynb. I have also made a markdown in the Jupyter Notebook with all the necessary details and information. If you need to install the libraries, you have to just remove the hashtags and run the command. It will install all the libraries. (It would be better to use Jupyter Notebook).

The html report is also created using the same jupyter notebook by the name of Condo_Task.html. I have also created the python script as well by the name of Condo_Task.py, in case you don't use Jupyter Notebook.

The external features are downloaded from http://download.geofabrik.de/europe/germany/hamburg.html. I could also use the Hamburg open portal which you have sent me. I used this because I am familiar with Geofabrik and I know how to download and fetch the data. It is fast and easy to use.

The external data I have fetched is the venues or places such as restaurants, pubs, playgrounds etc, nearby the apartments. I have also done some Analysis on the geo external data with the apartments with the visualisations.

To do the prediction of the rent per square meter, I have used the XGBoost model with feature importance. The model worked very well and showed good results.