

House Rent Prediction Analysis

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Outline:

- Examine different potential factors on the Indian house rental prices

Questions:

- How important is house size for determining the rental price?
- Does the area type affect the rental price?
- How much does city/location affect the price?
- How much does the furnishing status affect the price?
- How does the point of contact affect the price?
- Does the number of bathrooms affect the price?
- How does the local climate affect prices? * (Might change this - How does distance from airport affect prices? or, How does population affect prices?)

Datasets:

House Rent Prediction Dataset:

- A dataset obtained from Kaggle, containing information on rental properties within India (URL: <https://www.kaggle.com/datasets/iamsouravbanerjee/house-rent-prediction-dataset>)

OpenWeather API:

- API used to obtain weather data for locations - in order to determine the impact of weather on rental property prices (URL: <https://home.openweathermap.org/>)

Breakdown of tasks:

- Reading the csv file using Pandas
- Cleaning the data
- Sorting the data
- Retrieving data from Open Weather API
- Plot the data using matplotlib
- Statistical analysis using SciPy
- GitHub maintenance
- Present findings