

# House Rent Prediction Analysis

Frank McKenzie-Stripp, Zitarashe Okot, Mohammed Hamdouna

## 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 weather 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