**Lab 7**

**Regression models**

**House Rent Prediction Dataset**

1.Description: Housing in India varies from palaces of erstwhile maharajas to modern apartment buildings in big cities to tiny huts in far-flung villages. There has been tremendous growth in India&’s housing sector as incomes have risen. You have to create a model which can predict

Which variables are significant in predicting the rent of a flat.

How well those variables describe the rent of a particular flat,

2 Dataset Features:

BHK: Number of Bedrooms, Hall, Kitchen.

Rent: Rent of the Houses/Apartments/Flats.

Size: Size of the Houses/Apartments/Flats in Square Feet.

Area Type: Size of the Houses/Apartments/Flats calculated on either Super

Area or Carpet Area or Build Area.

Area Locality: Locality of the Houses/Apartments/Flats.

City: City where the Houses/Apartments/Flats are Located.

Furnishing Status: Furnishing Status of the Houses/Apartments/Flats, either it

is Furnished or Semi-Furnished or Unfurnished.

Bathroom: Number of Bathrooms.

Point of Contact: Whom should you contact for more information regarding

the Houses/Apartments/Flats.

Output : Rent

3 Dataset link:

<https://docs.google.com/spreadsheets/d/1samUPJ9XB0YX-1LmxUj3_Q50nJRZftM1/edit?usp=share_link&ouid=118249160032585308313&rtpof=true&sd=true>

**Implement ensemble learning models also**