



House Rent Prediction

Documentation

Project Timeline





Application Structure

Application

Input data

output

AWS EC2 instance
ubuntu sever

Trained models

Flask server

UI

- > Kmeans model clustering the location lat long attributes
- > xgboost Regressor model fpr predicting the House rent

- > Flask server which runs on port number 8080 in AWS cloud instance machine
- > All routings connecting to different pages

- > A dedicated UI coded in HTML, CSS, Java script and twitter Bootstrap

Pandas
Dataframe

Data matrix
csv

Pre-processed
Data

Predicted
Data





UI Documentation

Public_url : <http://ec2-3-6-92-45.ap-south-1.compute.amazonaws.com:8080/>

Dashboard : A well binded single UI dashboard is implemented to route to respective the model prediction page

Shine Mohammed

Readme

Ineuron Hackathon(Machine Learning)

Bundle 2



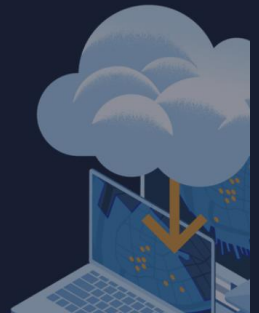
Cardio Vascular



Dota prediction



House Rent prediction



Predicted archive files : One stop place for all previously predicted data, that the download will be triggered on click.

Predicted Data Archive

Click on the file to download the previously predicted file



Back to home

Archived Predicted Files

cardio_prediction1.csv

house_prediction0.csv

dota_prediction0.csv

cardio_prediction0.csv

cardio_prediction2.csv

dota_prediction1.csv

House Rent Prediction page : Dedicated web page u= is designed for easy prediction of data and as form values and bulk csv.


Shine Mohammed

Data Description

House Rent Prediction

Bundle 2

The underlying machine application predicts the monthly rental of a house based on the given attributes.



ID

URL

Region

Region url

Type

apartment

Square feet

Beds

Bathrooms

Cats allowed

Dogs allowed

Smoking allowed

Wheel chair access

Electric vehicle charge

Comes Furnished

laundry options

parking options

Image Url

Description

Latitude

Longitude

State

Predict

Go home

Upload bulk data as csv

Choose File


No file chosen

Submit

Data description page: A guideline page to show the data attributes and the sequence at which the csv file must be arranged.

House Rent Prediction

Bundle 2



Back to prediction

Data Description

#	Attribute	Description	Range
1	ID	ID of the house	no range
2	URL	listing url	hyper link
3	Region	Location	valid region
4	Type	type of house	drop down available
5	Square feet	square feet of the house	+ve
6	Beds	no of bed available	+ve
7	Bathrooms	NO of bathrooms available	+ve
8	Cats allowed	are cats allowed in the house	0 or 1
9	Dogs allowed	explicit	0 or 1
10	smoking allowed	explicit	0 or 1
11	Wheel chair access	explicit	0 or 1
12	electric vehicle charge	explicit	0 or 1
13	comes furnished	explicit	0 or 1
14	laundry options	available laudry facility in the house	0 or 1
15	parking options	available parking facility in the house	0 or 1
16	image url	hyper linkm for the image url	url
17	Description	Description of the house	text