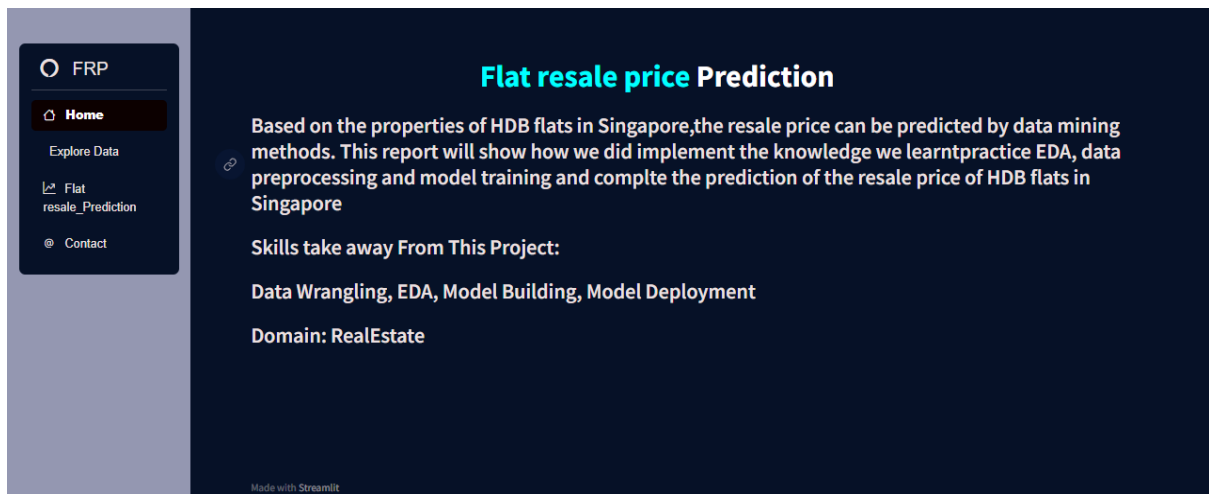
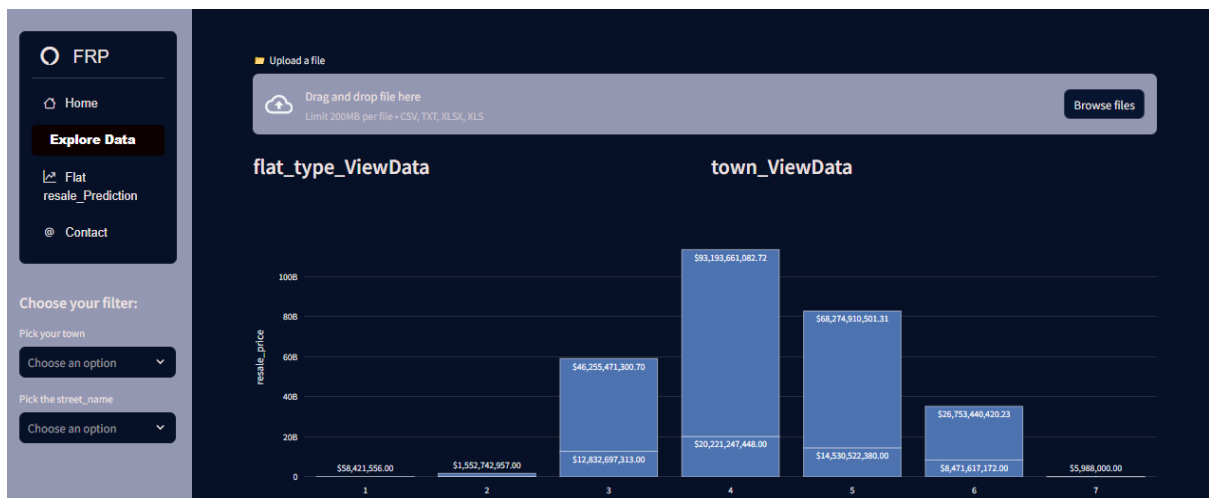


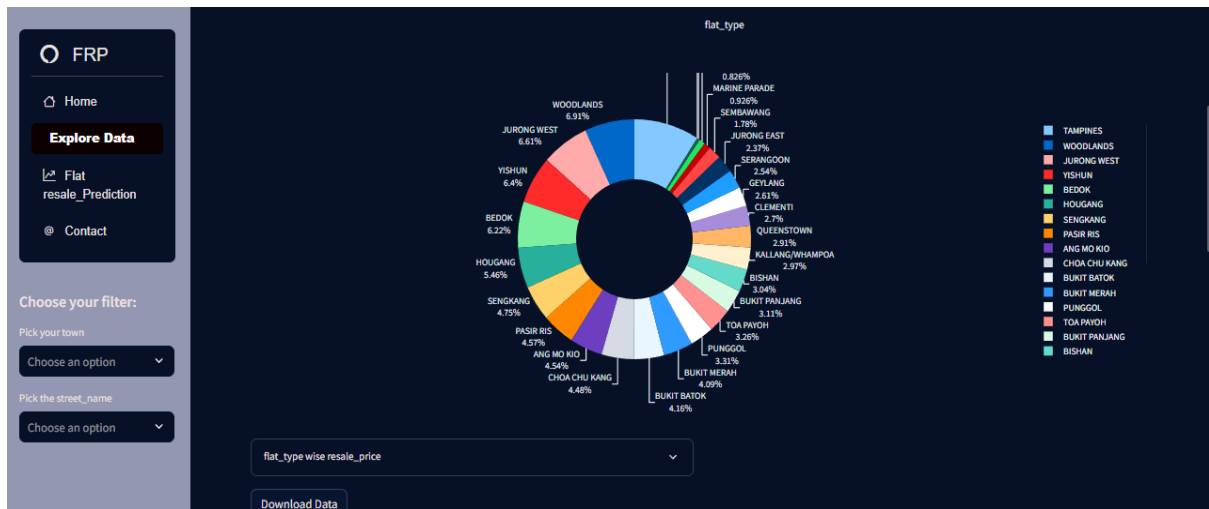
UI Overview



- Preview of Home page with project details and mentioned the skills where we gain from this RealEstate project.



- Preview of explore data page visualize the bar plot using plotly express to analysis the categorical data.
- By plotting flat type on x axis and resale price on y axis.
- We can observe and compare height of the bars and the resale price across different flat type.



- Visualize the pie chart using plotly express to analysis the categorical data where data stored in filter df.
- It visualize the distribution of resale price across different towns each towns represent by slice of the piechart.

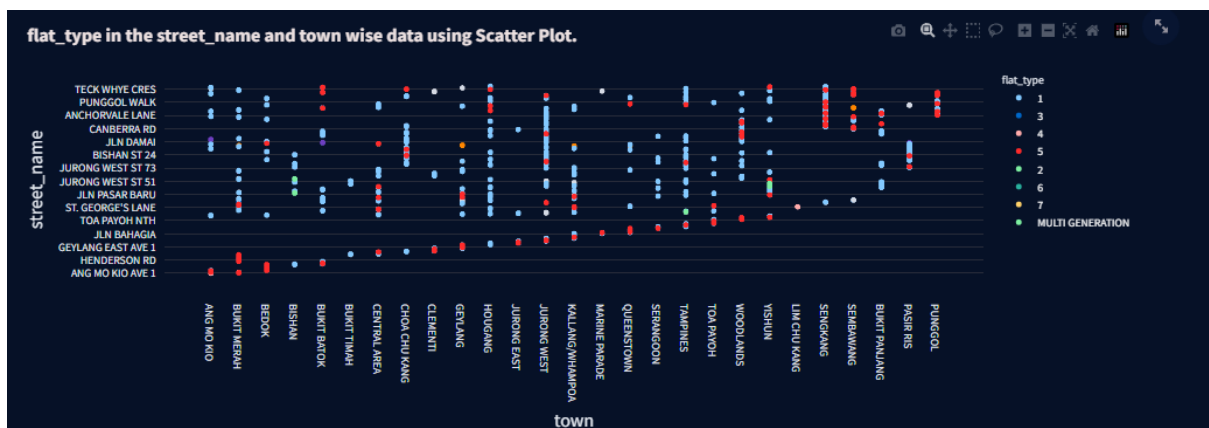
	flat_type	resale_price
0	1	27655918.000000
1	2	241642419.000000
2	3	12832697313.000000
3	4	20221247448.000000
4	5	14530522380.000000
5	6	8471617172.000000
6	7	120661588.000000
7	1	58421556.000000
8	2	1552742957.000000
9	3	46255471300.699999

- It displays the data frame flat type df and its also provides the download button labled download data user can download as csv file.
- The df contains the information about resale prices categorized by flat type.

	town	resale_price
0	ANG MO KIO	13284703248.20000
1	BEDOK	18192805877.75000
2	BISHAN	8911841535.08000
3	BUKIT BATOK	12170276310.02000
4	BUKIT MERAH	11975386598.28000
5	BUKIT PANJANG	9112751178.95999
6	BUKIT TIMAH	1129997323.88000
7	CENTRAL AREA	2418505485.64000
8	CHOA CHU KANG	13112191067.83000
9	CLEMENTI	7915969471.77000

Download Data

- It displays the data frame town and resale df and its also provides the download button labled download data user can download as csv file.
- Df contains information about resale price grouped by town from the filter data frame.



- visualize the scatter plot using plotly express to analysis the realtionship between two contionus variables.
- By plotting town on x axis and street name on y axis and color coded by flat type.
- We can observe the distribution of flat types across street names and town.

Detailed Room Availability and resale_price View Data in the street_name

	selling_year	town_code	block	storey_min	storey_range	flat_model	lease_commence_date
0	1990	0	309	10	10 TO 12	improved	1977
1	1990	0	309	4	04 TO 06	improved	1977
2	1990	0	309	10	10 TO 12	improved	1977
3	1990	0	309	7	07 TO 09	improved	1977
4	1990	0	216	4	04 TO 06	new generation	1977
5	1990	0	211	1	01 TO 03	new generation	1977
6	1990	0	202	7	07 TO 09	new generation	1977
7	1990	0	235	10	10 TO 12	new generation	1977
8	1990	0	235	4	04 TO 06	new generation	1977
9	1990	0	232	1	01 TO 03	new generation	1977

- It displays the data frame showing detailed room availability and resale price for street names using cmp parameter orange it displays orange colour.
- its also provides the download button labeled download data user can download as csv file.

📌 town wise flat_type and Resale_price

town	street_name	storey_range	flat_type	resale_price	floor_area_sqm	flat_model
ANG MO KIO	ANG MO KIO AVE 1	10 TO 12	1	9000.0	31.0	improved
ANG MO KIO	ANG MO KIO AVE 1	04 TO 06	1	6000.0	31.0	improved
ANG MO KIO	ANG MO KIO AVE 1	10 TO 12	1	8000.0	31.0	improved
ANG MO KIO	ANG MO KIO AVE 1	07 TO 09	1	6000.0	31.0	improved
ANG MO KIO	ANG MO KIO AVE 1	04 TO 06	3	47200.0	73.0	new generation

- It displays the summary table containing the information about first five rows & seven columns of the data frame.
- To use the table format data in a structured and easy to read manner.

Flat resale price Prediction

selling_month

1

selling_year

1990

Town

Town

ANG MO KIO

Store_min

4

Store_max

6

Floor_area_sqft

73.00

Flat_Model

Flat Model

new generation

lease_commence_date

1976

Process

Predicted Flat Resale: 44600.0

- It displays the predicted flat price based on the input data provided by the user.
- When user click the process button it initiates the prediction using the trained ML 'model' and the input data 'predict data'.

Singapore Resale Flat resale_prices Predicting

The objective of this project is to develop a machine learning model and deploy it as a user-friendly web application that predicts the resale prices of flats in Singapore. This predictive model will be based on historical data of resale flat transactions, and it aims to assist both potential buyers and sellers in estimating the resale value of a flat.

Name : Viswanathan

Mail : viswanathan9692@gmail.com

An Aspiring DATA-SCIENTIST..!

[GITHUB](#)

- It displays the contact information section including the name, email and github link.
- Overview of the project.

END