**House Sales**

**Steps:**

* Problem Understanding.
* Importing Libraries.
* Importing Dataset into Dataframes.
* Data Exploration.
* Data Cleaning (Remove irrelevant columns, missing or incorrect values)
* Converting Data formats into its correct format..
* Analysing using Descriptive statistics methods.
* Data Visualization using interactive plots and graphs.
* Exploratory Data Analysis
* Univariate, Bivariate and Multivariate Analysis.
* In depth analysis of dataset.
* Building a model for predicting the target variable based on certain features.
* Using different algorithms to build different models to find out the best performing one.
* Evaluating a model to find out its performance.

**Project Description:**

The aim of this project is to predict the price of the house based on the different properties of the house given. This is a Regression problem. This kind of project helps us to understand the factors on which the prices of a house depend and helps us to find out the near to correct prices.

The dataset includes different columns along with the target column, price. Below are the following features given.

* id int64 (continuous variable)
* date object (continuous variable)
* price float64 (continuous variable)
* bedrooms int64 (categorical variable)
* bathrooms float64 (categorical variable)
* sqft\_living int64 (continuous variable)
* sqft\_lot int64 (continuous variable)
* floors float64 (categorical variable)
* waterfront int64 (categorical variable)
* view int64 (categorical variable)
* condition int64 (categorical variable)
* grade int64 (categorical variable)
* sqft\_above int64 (continuous variable)
* sqft\_basement int64 (continuous variable)
* yr\_built int64 (continuous variable)
* yr\_renovated int64 (continuous variable)
* zipcode int64 (continuous variable)
* lat float64 (continuous variable)
* long float64 (continuous variable)
* sqft\_living15 int64 (continuous variable)
* sqft\_lot15 int64 (continuous variable)