

## **Project Ideas**

### **1. Housing Price Prediction:**

Housing prices are an important reflection of the economy, and housing price ranges are of great interest for both buyers and sellers. This project is to predict the housing prices in the given area considering various elements like whether the house contains car garage, swimming pool and how many bedrooms it contains and what is the dimensions of the building etc. The goal of this project is to create a regression model that are able to accurately estimate the price of the house given the features.

### **2. Customer Segmentation:**

In marketing, *customer segmentation* is the process of grouping customers by common traits. Discerning buying habits by customer type helps to market appropriately. For instance, it reveals the sizes of the various segments, how much we make from them, etc. This can help decide how to apportion the marketing budget. In data science, *clustering* is the process of grouping objects by some common traits. It collects insights from the data and group customers based on their behaviours.

### **3. Stock Price Prediction:**

Predicting how the stock market will perform is one of the most difficult things to do. There – irrational behaviour, etc. All these aspects combine to make share prices volatile and very difficult to predict with a high degree of accuracy. Using features like the latest announcements about an organization, their quarterly revenue results, etc., machine learning techniques have the potential to unearth patterns and insights we didn't see before, and these can be used to make unerringly accurate predictions.