

Project Ideas

1. Movie Recommendation System:

All entertainment websites or online stores have millions/billions of items. It becomes challenging for the customer to select the right one. At this place, recommender systems come into the picture and help the user to find the right item by minimizing the options.

It helps the user to select the right item by suggesting a presumable list of items and so it has become an integral part of e-commerce, movie and music rendering sites and the list goes on. They are becoming one of the most popular applications of machine learning which has gained importance in recent years. The two most popular ways it can be approached/built are:

1. Content based Filtering
2. Collaborative Filtering

2. 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.

3. Taxi demand prediction in New York City:

For a given location in New York City, our goal is to **predict the number of pickups in that given location at particular time interval**. Some location require more taxis at a particular time than other locations owing to the presence schools, hospitals, offices etc. The prediction result can be transferred to the taxi drivers via Smartphone app, and they can subsequently move to the locations where predicted pickups are high.