

Customer Segmentation Using K-Means Clustering:

- Objective: Analyze customer data to segment customers into different groups based on purchasing behavior or demographics.
- Outcome: Understand customer segments to improve marketing strategies or product recommendations.

Predictive Analytics for Student Performance:

- Objective: Use historical student data to predict academic performance and identify factors affecting grades.
- Outcome: Develop a model to predict student performance and provide insights for educational improvement.

Sentiment Analysis of Social Media Data:

- Objective: Analyze social media posts to determine public sentiment on a particular topic, brand, or event.
- Outcome: Create a sentiment analysis model that can classify social media posts as positive, negative, or neutral.

House Price Prediction Using Machine Learning:

- Objective: Develop a predictive model to estimate house prices based on various features like location, size, and amenities.
- Outcome: Build a regression model to predict house prices and provide insights into factors that influence real estate values.

Movie Recommendation System:

- Objective: Build a simple recommendation system that suggests movies to users based on their viewing history or preferences.
- Outcome: Develop a recommendation system that can suggest movies tailored to users' tastes.