

CAPSTONE PROJECT 2: IDEAS

Project 1: Help DonorsChoose.org connect donors with projects they care about

Teachers at three-quarters of all the public schools in the U.S. have come to DonorsChoose.org to request what their students need, making DonorsChoose.org the leading platform for supporting public education. The goal is team at DonorsChoose.org needs to be able to connect donors with the projects that most inspires them.

Insights:

- Top 5 states with maximum number of donor cities
- Top donor state which donated highest money
- Average amount funded by top 5 states in terms of number of projects
- Top 5 projects with their count
- Average Number of days needed for each project resource category to get fund approval

Dataset: <https://www.kaggle.com/donorschoose/io>

Project 2: Expedia Hotel Recommendations

The goal is to predict the booking outcome (hotel cluster) for a user event, based on their search and other attributes associated with that user event.

Dataset: <https://www.kaggle.com/c/expedia-hotel-recommendations/data>

Project 3: TMDb Movie Dataset Recommendation

Insights:

- What kind of Genres are top in High Revenue movies?
- Which Runtime Level Receives the Highest Average Voting?
- Which Production Companies are top in Best Revenue movies?
- Which Genres are top during 60s and 20s Best Revenue movies?
- Which Actors are top in Best Revenue movies?

Dataset: <https://www.kaggle.com/tmdb/tmdb-movie-metadata>

Project 4: Amazon Product Recommendation

Predict purchase patterns of different groups of users in amazon and build recommendation system for different categories of product. Depending on the volume of data, it can be done to narrow down to a particular product category. In this project, prescriptive based analysis can also be done in terms of business point of view.

Dataset: <http://jmcauley.ucsd.edu/data/amazon/>

<https://www.kaggle.com/bittlingmayer/amazonreviews>

<https://www.kaggle.com/datafiniti/consumer-reviews-of-amazon-products>

<https://s3.amazonaws.com/amazon-reviews-pds/readme.html>

Project 5: Event Recommendation Engine Challenge

Predict what events our users will be interested in based on user actions, event metadata, and demographic information

Dataset:

<https://www.kaggle.com/c/event-recommendation-engine-challenge/discussion/12323#latest-63106>