

Capstone 3 Project Ideas

In this capstone, I like to work on a big dataset and apply a deep learning model. Should I work on something I never work on or a project I am familiar with?

Recommendation system

Million Song Dataset Challenge

Predict which songs a user will listen to.

<https://www.kaggle.com/competitions/msdchallenge>

Spotify Playlists

<https://www.kaggle.com/code/pegahpooya/spotify-playlists-recommender-system>

<https://www.kaggle.com/datasets/mrmorj/dataset-of-songs-in-spotify>

I never build any recommendation system, I like to do one project about it.

American Express - Default Prediction

<https://www.kaggle.com/competitions/amex-default-prediction/overview>

Apply machine learning skills to predict credit default. Specifically, you will leverage an industrial scale data set to build a machine learning model that challenges the current model in production. Training, validation, and testing datasets include time-series behavioral data and anonymized customer profile information. You're free to explore any technique to create the most powerful model, from creating features to using the data in a more organic way within a model.

Bag of Words Meets Bags of Popcorn

Use Google's Word2Vec for movie reviews

<https://www.kaggle.com/competitions/word2vec-nlp-tutorial/overview>

Using NLP technique for sentiment analysis, word2vec, classification.
I am familiar with NLP. Should I do something else?