**Portfolio Milestone 1**

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DSC 680: Applied Data Science

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**Project List**

1. DSC 680 – Project 1 Placeholder
2. DSC 680 – Project 2 Placeholder
3. DSC 680 – Project 3 Placeholder
4. API Data Pulling
   1. This project demonstrates how to pull data from an API, clean the data, and store it in a SQLite database.
5. Wine Quality Predicting – KNN & Random Forest with SMOTE
   1. This project builds KNN and Random Forest models to predict wine quality. SMOTE is utilized to balance the predicted classes for training the model.
6. NLP with Logistic Regression & Random Forest
   1. This project utilizes various techniques for natural language processing. After the raw text is processed, two models are built to predict positive or negative sentiment.
7. PCA & K Means Clustering
   1. This project uses principal component analysis to reduce dimensionality and clusters ALS data.
8. R – Linear Regression
   1. In this project a linear regression model is built in R to predict a Pokémon’s power.
9. Recommender System
   1. This project builds a recommender system for movies.
10. Web Scraping
    1. This project leverages Beautiful Soup to scrap a table from a Wikipedia page.