Springboard Data Science Career Track
Capstone 2: Project Ideas Rubric by Ashutosh Varshney

Project Rubrik:

Learning Objectives

- Identify three potential projects with associated data to support the projects
- Practice using the Google Dataset Search tool

Criteria	Meets Expectations
Completion	• A short description of each of the three ideas as a single Google doc has been submitted.
Process and understanding	• The submission contains three high-level ideas with links to the appropriate data that could be used to support the idea. • The ideas are framed around real-world business problems.

Idea 1: Credit Card Fraud Detection

1. What is the business problem?
   Predict if a given credit card transaction is fraudulent or not.
2. Who are the intended stakeholders, and why is this problem relevant to them?
   Credit card banks and customers who utilize their service and also the merchants who initiated these transactions. Credit card fraud affects everyone the bank, the customer and the merchant.
3. Where are the datasets available from?
   For this project, data will be sourced from Kaggle - https://www.kaggle.com/mlg-ulb/creditcardfraud
4. What data science approaches do you anticipate?
   This will be a supervised classification. There can be only a True or False result. True if we predict that a given transaction is fraudulent, False otherwise.

Idea 2: Credit Card Approval Prediction

1. What is the business problem?
   Predict if a credit card applicant is Good or Bad.
2. Who are the intended stakeholders, and why is this problem relevant to them?
   Credit card banks and customers who utilize their service. Based on customer credit score a bank can decide to issue a credit card or not.
3. Where are the datasets available from?
   For this project, data will be sourced from Kaggle - https://www.kaggle.com/rikdifos/credit-card-approval-prediction

4. What data science approaches do you anticipate?
   This will be a supervised classification. Good if we predict the applicant is "Good", Bad otherwise.

Idea 3: Impact of COVID19 on Amazon stock

1. What is the business problem?
   Understand how COVID19 has affected Amazon stock prices.
2. Who are the intended stakeholders, and why is this problem relevant to them?
   Investors who have invested in amazon stocks (or mutual funds). It would be relevant to investors to understand market sentiment post COVID.
3. Where are the datasets available from?
   For this project, data will be sourced from Yahoo finance API or use Kaggle dataset - https://www.kaggle.com/aayushmishra1512/amazon
4. What data science approaches do you anticipate?
   Supervised regression???