**Capstone Three: Project Ideas**

## Project 1: Sentiment Analysis for Amazon Fine Food Reviews

**Objective:** Apply the sentiment analysis process to Amazon Fine Food Reviews to be able to position the products differently or change their target audience.

**Background:** I have been reading and writing Amazon for many years, so I am curious to know how I may apply the sentiment analysis process.

**Impact/ benefit:** Be able to position the products differently or change their target audience.

**Data description and sources:**

<https://www.kaggle.com/snap/amazon-fine-food-reviews?select=Reviews.csv>

## Project 2: Stock Price Prediction

**Objective**: Develop an accurate stock price prediction system to predict the stock performance over a specific period.

**Background**: I always wanted to find a smart way to go into the Stock market.

**Impact/ benefit**: To be able to use Python as the programming language to develop a stock price prediction system.

**Data description and sources:** [**https://www.kaggle.com/aaron7sun/stocknews**](https://www.kaggle.com/aaron7sun/stocknews)

## Project 3: ECG Anomaly Detection

**Objective**: Predict and detect anomalies in the ECG of a person to prevent severe health conditions.

**Background**: I took ECG classes, and I was always curious about using ML to detect anomalies.

**Impact/ benefit**: Detect the abnormality from the regular patterns for immediate action.

**Data description and sources:** <http://www.timeseriesclassification.com/description.php?Dataset=ECG5000>