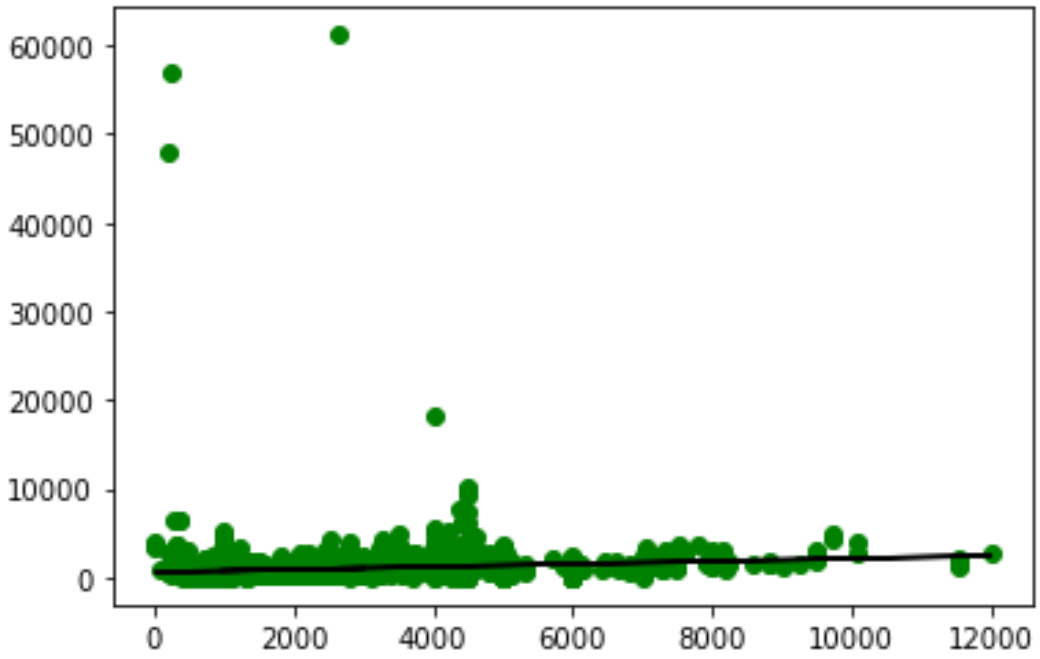
MVP

Smart Phones Company

The goal of our project is to take advantage and use the available datasets in some online shopping stores and train a model to predict the price range of our product. The dataset obtains through web scraping which is used to extract content and data from the chosen websites. The plan is using a Linear Regression model/algorithm to train our dataset which will predict the price range.

The data contains several features in a smart phone such as Size, Width, Length, Depth, Year, Month, Main camera, SIM, Battery, Price in SAR and GPS..etc.



The figure above shows the linear regression result after applying only one feature (Battery). The x-axis is the battery power, and y-axis is the price. We can clearly see that there are outliers in our data (the top three dots). This means that such outliers need to be examined and removed if needed. However, the sold black line shows that our model could make a good prediction on the smart phone based on the provided features.