**Project Proposal**

**University Of New Brunswick Saint John**

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**Group Members**

I am working on this project individually.

**Brief explanation for hypothesis**

In the dataset each item has a Price as well as a Unit of Issue (UI), which specifies how the item was sold (e.g. PK for ‘packaged’, RL for ‘rolled’, DZ for ‘dozen’). From this we can find the significant correlation between the two variables.

**Hypothesis**

The Price of items has a correlation to the Unit of Issue.

**Plan for testing hypothesis**

Using descriptive analytics, take the average of prices for each category in Unit of Issue. Then create a bar graph to visualize the data. The UI will be the independent variable x, and the Average Prices will be the dependent variable y. Using predictive analytics, I can create an ROC curve to better evaluate how well the outcomes of the model are being predicted.

**GitHub Repository**

[**CynHaq58738/CS2704-Project: To analyze a dataset using descriptive and predictive analytics**](https://github.com/CynHaq58738/CS2704-Project)