Dear Data Science Team Leader.

I have loaded and preprocessed the dataset that has been sent by client. I have applied statistical method and plotting.

I found the following insights as part of the analysis:

* Non-members are the most frequent buyers within the store
* Fruit and vegetables are the 2 most frequently bought product categories
* The most frequently used payment type is Cash

As reminder, the client indicated that they want to know the following : “ How to better stock the items that they sell”, my recommendations are as follow:

* We need more data. The current sample only covers 7 days and 1 store.
* This is a very broad statement and in order to tackle this with better accuracy, we need to identify a specific problem statement that the business would like to solve. For example, can we predict the demand of products on an hourly basis in order to procure products more intelligently?
* Based on the problem statement that we move forward with, we will need more datasets to help describe the outcome that we’re trying to model. For example, if we’re modeling demand for products, we may want to include information about stock levels or weather conditions.

Best regards,

Tai Doan.