

**Corporación Favorita Grocery Sales Forecasting:**

**Final Report**

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## Overview

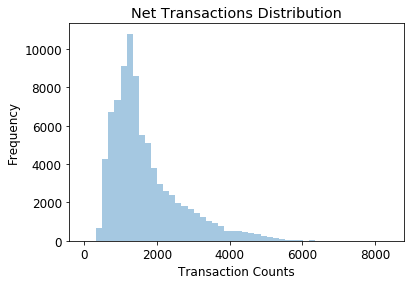
## Design

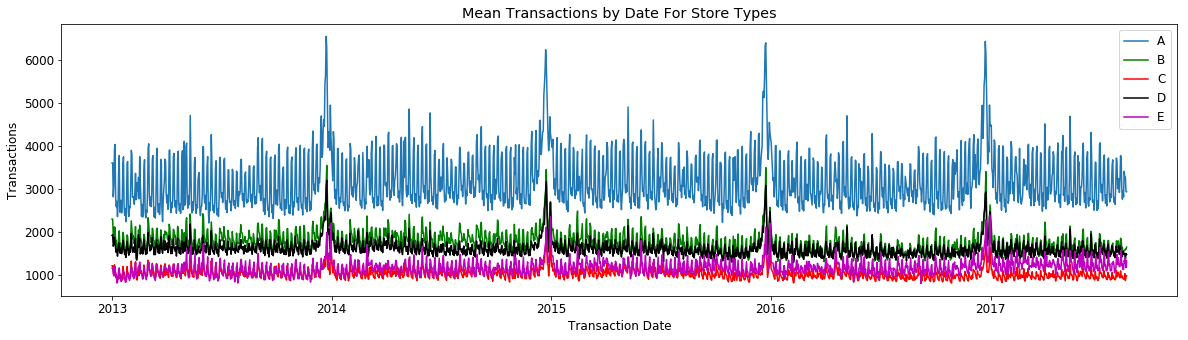
## Implementation

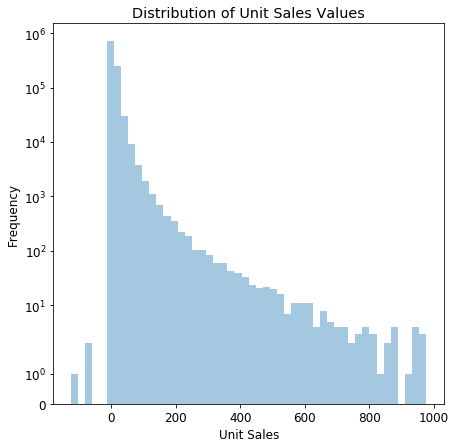
## Analysis

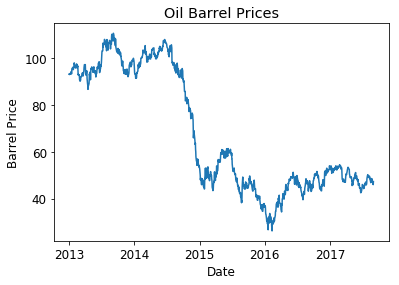
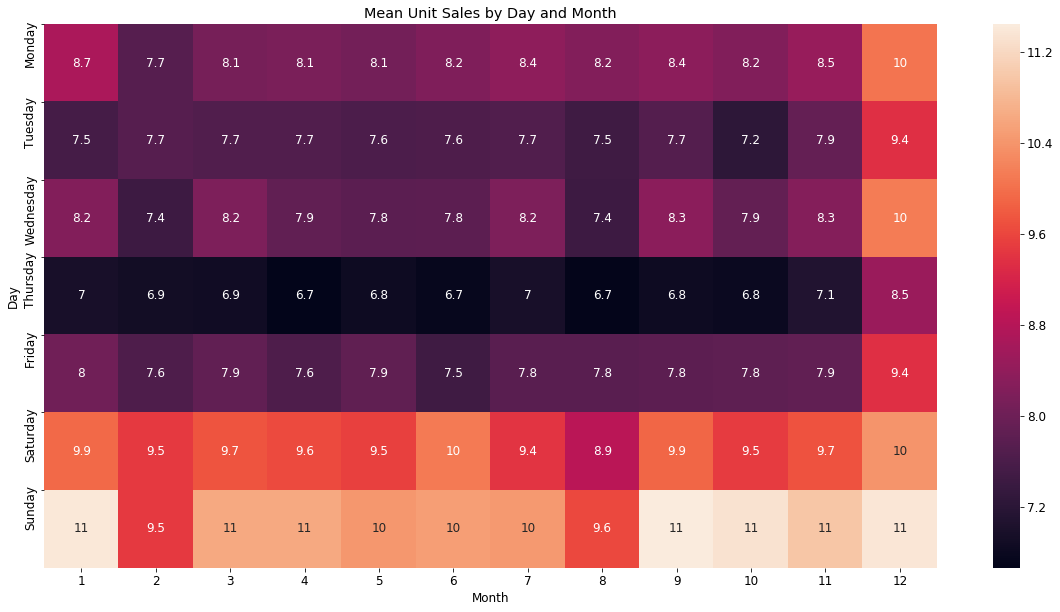
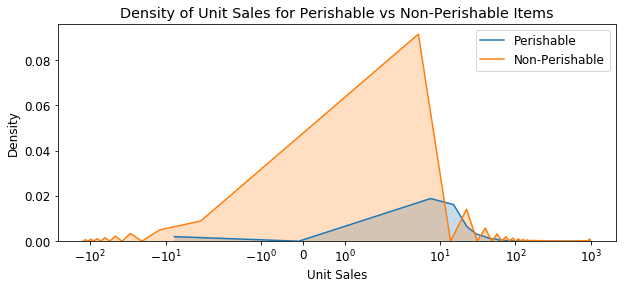
### Exploratory Data Analysis

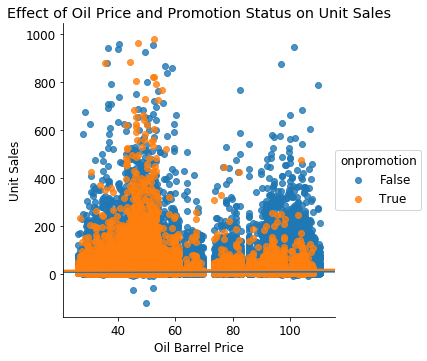
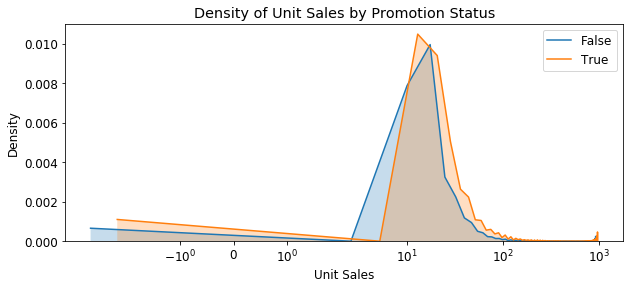
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| images/FavoritaLocationMap_cropped.png  Figure 1: Density of Stores Per City. Legend: Black = 1 store, Blue = 2 stores, Purple = 3 stores, Red = >5 stores, Orange = >10 stores |





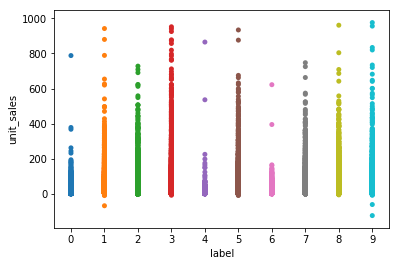
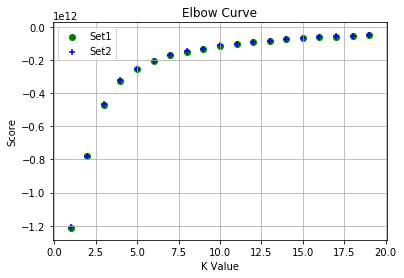




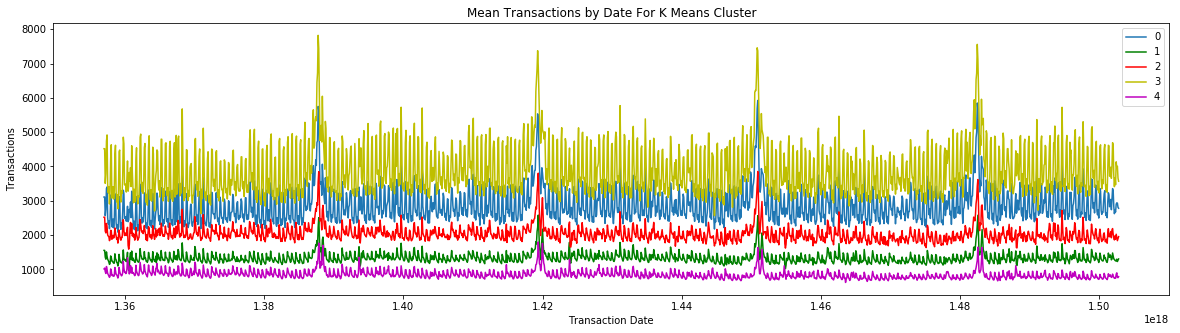
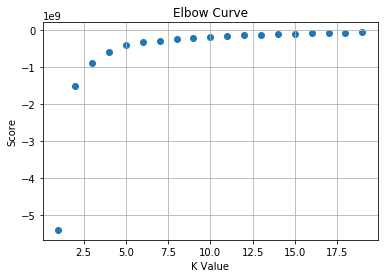


### Clustering

Unit sales:



Store Transactions:



### Prediction Models

### Time Series Models

## Conclusion

## References

## Contributions

Data Wrangling:

Luigi:

Exploratory Data Analysis:

Clustering:

Prediction Models:

Time Series Models:

Azure ML:

Flask App: