ReadMe: For MSDS -692 Data Science Practicum I - **By Sandeep Modi**

**Coffee Margin**

**I will be researching what location sales the most coffee in the United States. And which location is the most profitable.**

**Getting Started**

The GitHub has the following information about the project:

* + DataSet
  + Code
  + Project Snap shots
  + Weka

This project was created as a part of a practicum for the Master’s Data Science Certificate program for the Regis University.

**Prerequisites**

What things you need to install the software and how to install them

* + **Tools:**
  + R-Studio for Clustering
  + Machine Learning for K-means
  + KNN
  + Tableau
  + Kmeans-smote
  + Weka

**Installing**

Following are the sites where I attained the needed software installation information.

<https://www.rstudio.com/products/rstudio/download>

<https://machinelearningmastery.com/download-install-weka-machine>

**www.tableau.com/Tableau/Download**

**Coding style**

The codes were generated using RStudio, Tableau and Weka

See code files attached in GitHub

**Deployment**

TBD

**Built With**

* [RStudio](http://www.dropwizard.io/1.0.2/docs/) – IDE tool used with R programming language for statistical computing and graphics.
* [Tableau](https://maven.apache.org/) - used for creating data visualizations, publishing data sources
* [Weka](https://rometools.github.io/rome/) - machine learning algorithms for data mining tasks. The algorithms can either be applied directly to a dataset or called from your own Java code. Weka contains tools for data pre-processing, classification, regression, clustering, association rules, and visualization.

**Authors**

* **Sandeep Modi** - *Initial work* –

**Acknowledgments**

* I acknowledge that I did all the work!
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