Machine Learning Project 1

Jonathan Chacko Pattasseril

Regression and Classification Methods

Reflection

# Reflect on the challenges faced during the project and how they were addressed.

1. Finding Dataset was a task which took the most amount of time

* To Find a Data set which Not Gives us a Prediction to Make but also an Interesting and Practical Scenario.

1. Understanding the Practical Implementation of Models in Python wasn’t an Easy Task

* I Generally like to Automate the Processes so my Goal was so to Make the Code in a way that which ever Model I was going to add on it should automatically re-evaluate the best Model from the Bunch & Re-create the Visualisations & Interpretations accordingly.
* Using these ***sklearn*** Models was new to me in Python and it was a Task to get to Understand it’s usage in different Scenario’s.
* I made the Mistake of trying to use Accuracy & other Classification Metric’s when doing Regression but thankfully it threw an error which got me researching if that is possible.

# Discuss any insights gained from applying regression and classification techniques.

* 1. I’ve Understood how to Implement & Make Predictions.
  2. I’ve also got a Deeper Understanding of Evaluating Model’s.
  3. Since I’m a *Practical Learner* this was a very Informative and Useful Project to me & helped me **solidify** the Concepts I’ve learnt in Class.