Preliminary Results

DSE6211

Adeline Casali

Introduction

* Overview of objectives from analytical plan (ie what the problem is and how to solve it, steps to do so)
* Which models were used, etc

Data Preprocessing and Feature Engineering

* Descriptions of dataset
* List of features and what they mean/are
* Data preprocessing steps taken, normalization/scaling and encoding
* Splitting data into test and training sets

Baseline Models

* Logistic regression
* KNN
* Classification Trees

Neural Network Model

* Layers
* Units
* Activation functions
* Loss function
* Optimization algorithm

Model Evaluation

* Training and validation curves
* ROC
* Calibration curve

Discussion and Further Steps

* Compare neural network results vs baseline models
* Discuss the strengths and limitations of each approach
* Interpretability and implications !!
* Next steps – how to improve upon the model

Conclusion?

References: