**Introduction**

This data challenge is the second stage of your interview for the position.

During this stage, we are interested in your approach and ability to develop useful predictions on a real dataset.

**Data**

You are provided three data files:

• Training-Data.csv

• Testing-Data.csv

• Submission-Format.csv

Develop your prediction methods using the ‘Training-Data’. The training data contains 15973 observations

and includes the target objective of this exercise (named ‘Target’). When you are ready, generate predictions

for the target objective using the 837 observations found in the ‘Testing-Data’. When you have finished,

format your predictions so that they match the format seen in the ‘Submission-Format’ file. Lastly, write a 1-page summary of the model results (e.g. accuracy, ROC, etc.) with visualizations and explanation of what the results mean for someone using the model.

**Description**

The training data contains the following values:

• ID = The unique identifier for each observation

• Target = The target objective of this exercise (0/1)

• Cat\_A:N = Categorical variable (inputs)

• Continuous = Continuous variable (input)

• Date = Date associated with each observation (input)

• Flag = A binary encoded indicator (input)

• Count\_1:3 = Integer count associated the observation (input)