Exam PA December 8, 2020 Project Report Template

**Instructions to Candidates: Please remember to avoid using your own name within this document or when naming your file. There is no limit on page count.**

**Also be sure all the documents you are working on have December 8 attached.**

As indicated in the instructions, work on each task should be presented in the designated section for that task.

## Task 1 – Explore the variables (7 points)

## Task 2 – Reduce factor levels (7 points)

## Task 3 – Modify the hour and temperature variables (11 points)

## Task 4 – Consider transformations of the target variable (9 points)

## Task 5 – Build two trees (8 points)

## Task 6 – Consider a random forest (3 points)

## Task 7 – Fit a generalized linear model (8 points)

## Task 8 – Consider an interaction (6 points)

## Task 9 – Select features (9 points)

## Task 10 – Recommend a model (8 points)

## Task 11 – Validate the model selection (4 points)

## Task 12 – Executive summary (20 points)