Exam PA June 21, 2021 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 June 21 and your candidate number included in the file name.**

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

## Task 1 – Define the business problem (5 points)

## Task 2 – Outline modeling impacts of data sources and sampling information (7 points)

## Task 3 – Explain modeling impacts of high-dimensional and granular data (10 points)

## Task 4 – Improve the graph (9 points)

## Task 5 – Filter the data to fit the business problem (7 points)

## Task 6 – Assess your assistant’s hierarchical clustering work (11 points)

## Task 7 – Recommend a model selection method (8 points)

## Task 8 – Discuss modeling implications of the alternatives (8 points)

## Task 9 – Explain the reasoning behind elastic net regression (4 points)

## Task 10 – Improve the elastic net regression setup (10 points)

## Task 11 – Evaluate the random forest models (8 points)

## Task 12 – Recommend data elements to collect (13 points)