Sample Project – Hospital Readmissions 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.**

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

## Task 1 – Perform univariate exploration of the four non-factor variables (6 points)

## Task 2 – Examine relationships between DRG.Class and DRG.Complication (5 points)

## Task 3 – Use observations from cluster analysis to consider a new feature (9 points)

## Task 4 –Select an interaction (5 points)

## Task 5 – Select a link function (8 points)

## Task 6 – Decide on the factor variable from Task 3 (5 points)

## Task 7 – Select features (15 points)

## Task 8 – Interpret the model (6 points)

## Task 9 – Set the cutoff (9 points)

## Task 10 – Consider alternative models and model construction techniques (12 points)

## Task 11 – Executive summary (20 points)