A picture containing icon

Description automatically generated

**CCT College Dublin**

**Assessment Cover Page**

|  |  |
| --- | --- |
| **Module Title:** | Data Preparation & Visualisation  Statistical Techniques for Data Analytics  Machine Learning |
| **Assessment Title:** | Continuous Assessment |
| **Lecturer Name:** | Muhammad Iqbal  David McQuaid  Marina Soledad Iantorno |
| **Student Full Name:** | [Riccardo Possieri](https://moodle.cct.ie/user/view.php?id=13536&course=2625) |
| **Student Number:** | sba23439 |
| **Assessment Due Date:** | 3rd Jan 2024 |
| **Date of Submission:** |  |

**Declaration**

|  |
| --- |
| By submitting this assessment, I confirm that I have read the CCT policy on Academic Misconduct and understand the implications of submitting work that is not my own or does not appropriately reference material taken from a third party or other source. I declare it to be my own work and that all material from third parties has been appropriately referenced. I further confirm that this work has not previously been submitted for assessment by myself or someone else in CCT College Dublin or any other higher education institution. |

Table of contents

1. Introduction

2. Goal

3. Import Dataset & libraries

4. Overview

5. EDA

6. Data Pre-processing

7. Splitting

8. Modelling

9. Oversampling

10. Conclusions

11. References

12. GitHub repo link