MSc in Software Design with Artificial Intelligence

Initial Project Concept

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| Student Name: | Simon McLain |
| Student Number: | A00279668 |
| Project Title: | Improving the prediction of daily COVID-19 cases in Ireland |
| Project Background: | An initial literature review indicates that Machine Learning models for COVID-19 prediction can accurately predict daily cases.  However, there is minimal evidence that Machine Learning has been successfully applied to predicting daily COVID-19 in Ireland. |
| Project Challenge: | Create a Machine Learning model that improves prediction of daily COVID-19 cases in Ireland. |
| Proposed Approach: | Conduct a comparative analysis of relevant Machine Learning then create an implementation tailored for Ireland.  Project Milestones   * Conduct a literature review. * Select variables and gather data. * Using Python to create, evaluate and select the best performing Machine Learning model. * Evaluate whether the selected model improves prediction of daily cases. |