**CCT College Dublin**

**Assessment Cover Page**

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| **Module Title:** | *Programming for DA*  *Statistics for Data Analytics*  *Machine Learning for Data Analysis*  *Data Preparation & Visualisation* |
| **Assessment Title:** | *MSC\_DA\_CA1* |
| **Lecturer Name:** | *Sam Weiss/* *David Gonzalez*  *Bharathi Chakravarthi/* *Marina Iantorno*  *Muhammad Iqbal*  *David McQuaid* |
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| **Assessment Due Date:** | 10/11/2023 |
| **Date of Submission:** | 10/11/2023 |

**Declaration**

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| 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. |

**Exploring the Link Between Population Trends and Renting Prices**

The aim of this project is to explore the link between population trends and renting prices in Ireland. To achieve this goal, I will be investigating how population growth, immigration, migration, and other population factors affect the cost of renting a home in Ireland.

Understanding the link between population trends and renting prices, will help the government to take policy decisions and to help people and to develop policies that increase the supply of affordable housing or to provide financial assistance to renters who are struggling to afford their rent.

For this purpose, we need to answer ther following questions:

How has the population of Ireland changed in recent years?

How have renting prices changed in recent years?

Is there a relationship between population growth and renting prices in Ireland?

Population trends can be used to predict future rent prices in Ireland?

To answer these questions, I have collected and analysed data on population trends and renting prices in Ireland.

The main sources of these dataset are: Central Statistics Office (CSO) and the Residential Tenancies Board (RTB).

Once you have collected the data, you can use a variety of statistical methods to analyze it. For example, you could use regression analysis to model the relationship between population growth and renting prices. You could also use forecasting methods to predict future rent prices based on population trends.