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**Assessment Cover Page**

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| *Student Number* | Sba24100 |
| *Module Title* | Programming for AI |
| *Assessment Title* | CA1 |
| *Assessment Due Date* | 31st October 2024 |
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**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.

Rent Predictor: A Machine Learning Approach to Forecast Dublin Home Rent

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# Categorize Numerical and Categorical Columns in Data Frame

Rental

# Concatenate 2 Dataset and Calculate Correlation Matrix using NumPy

The

# Find Mean, Min, Max of 1000 random numbers using NumPy Array

A new

# Connect to MySQL DB, Create Table and Maintain data

As the price of rent in Ireland continues to rise, we list here a few additional tips to help renters during the housing crisis: (Tait)

## Connect to MySQL Server

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## Database and Tables

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## Insert and Select Records

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# Exploratory Data Analysis (EDA) on Iris Dataset

The

# References

(IPOA and IPAV)

IPOA, and IPAV. *THE IRISH PRIVATE RENTAL MARKET*. IPAV.ie, June 2022.

Available at: <https://www.ipav.ie/sites/default/files/ipav_ipoa_jim_power_updated_report_june_2022.pdf>

# GitHub Link

<https://github.com/santhosh-sba24100/CA1-Python_Programming>