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**Assessment Cover Page**

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| *Module Title* | Strategic Thinking (HDip in Data Analytics) |
| *Assessment Title* | CA 1 – Capstone Project Proposal |
| *Assessment Due Date* | 29th March 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 take 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.

Abstract

The House Price Prediction Capstone Project has the objective of developing a predictive model for house prices. This project is essential in the context of the fluctuating house market and the constant increase in prices. Accurate forecasts can assist buyers and sellers in making informed decisions. Predicting house prices requires detailed analysis interactions involving elements such as location, property size, conveniences, and trends in the market. According to the Statista Research Department (published on Jan 8, 2024), between 2015 and 2023, the house price-to-income ratio in Ireland grew by nearly 17 index points, signifying an increase in house values relative to earnings. This trend makes homeownership in Ireland more challenging due to the decreasing affordability of dwellings (Statista, 2024).

The project holds importance due to its ability to offer valuable insights into market dynamics, aiding in risk assessment and investment strategy formulation.

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# References

Statista Research Department. (2024, January 8). Annual house price change in Ireland. Retrieved from [ [https://www.statista.com/statistics/1155332/annual-house-price-change-in-ireland/]