A logo for college computing

Description automatically generated

**Assessment Cover Page**

|  |  |
| --- | --- |
| *Rodney Wardle* |  |
| *Student Number* |  |
| *Strategic Thinking* |  |
|  |  |
| *Assessment Due Date : 17/05/2024* |  |
| *Submitted:* |  |

**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.

Contents

[Introduction 1](#_Toc166668370)

[Business Description 2](#_Toc166668371)

[Technologies Used 3](#_Toc166668372)

[What has been accomplished so far? 3](#_Toc166668373)

[Challenges encountered 3](#_Toc166668374)

[Results and analysis 3](#_Toc166668375)

[Conclusion 4](#_Toc166668376)

**References…………………………………………………………………………………………………………………………………….5**

[NOTE: The table of contents above has been included for your convenience. To refresh the table, simply click on it, then select 'Update Table' using the mouse. You can choose to update either the page numbers exclusively or the entire table as needed.]

# Business Understanding

Data Understanding

Data Preparation

Modelling

Evaluation

Deployment and Conclusions

Github repository: https://github.com/RodneyWardle2023/CapstoneProjectCA2RodneyWardle-SBS23057/

# 

# References

unstats.un.org. (n.d.). UNSD — Demographic and Social Statistics. [online] Available at: <https://unstats.un.org/unsd/demographic-social/sconcerns/migration/>.

Smart Vision Europe (2017). Building and Applying Predictive Models in IBM SPSS Modeler training webinar. [online] Smart Vision - Europe. Available at: <https://www.sv-europe.com/crisp-dm-methodology/>.

IBM (2023). What is a Decision Tree | IBM. [online] www.ibm.com. Available at: <https://www.ibm.com/topics/decision-trees>.

Team, G.L. (2023). Label Encoding in Python - 2023. [online] Great Learning Blog: Free Resources what Matters to shape your Career! Available at: <https://www.mygreatlearning.com/blog/label-encoding-in-python/#:~:text=Label%20encoding%20is%20a%20technique>.

Kaushik, S. (2019). An Introduction to Clustering & different methods of clustering. [online] Analytics Vidhya. Available at: <https://www.analyticsvidhya.com/blog/2016/11/an-introduction-to-clustering-and-different-methods-of-clustering/>.