**MSc in Data Analytics – “Comparative Analysis of Construction Sectors in Ireland, Portugal and UK: A Data Mining Approach.”**

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***Abstract***

*Objective of this Data Mining project is to compare the Construction sector in Ireland and other countries. This study conducted on multiple datasets based on the topics, first Ireland dataset contains the information of average earnings per week in construction industry of various employment types, Second Ireland dataset contains the information of incidents in construction industry.*

*Third dataset contains the information of Number of employees per quarter in Portugal construction industry.*

*Fourth dataset contains the information of UK incidents in construction industry.*

*Approach is to apply EDA (Exploratory Data Analysis), data processing, data preparation and data visualisation to understand the earnings, employment, and incidents trends in construction industry over the time.*

*In EDA we renamed columns, removed unwanted columns and fixed missing values, we explored Supervised and Unsupervised Machine learning Models.*