**MSc in Data Analytics – Integrated continuous Assessment 2**

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**Abstract**

<To be replaced>

*This work seeks to provide research about classification and prediction methods in regard to Irish housing between 1997 and 2016. The key area is the price of new houses, in relation to additional factors such as rent prices and buyers income. Data from the Irish department of housing as well as Central Statistics Office were used in a selection of machine learning algorithms to produce these forecasts. The results of which are presented and discussed in Section 4 below. Finally plans for possible future extensions to this work are outlined in the conclusion.*

# Introduction

TBA

# Materials and methods

## 2.1 Datasets

* + 1. Licensing
    2. Data

## 2.2 Sentiment Analysis

* + 1. Business Understanding
    2. Data Understanding
    3. Data Preparation
    4. Data Collection
    5. Data Pre-processing

## 2.3 Something Analysis

## 2.4 Something 2 Analysis

## 2.5 Machine Learning

TBA

# Results and Discussion/Conclusion

## 3.1 Sentiment Analysis

### 3.1.1 VADER

### 3.1.2 NLTK for NLP

### 3.1.3 Model