Student Number: 19024775 Student Name: Talamarla Ethender Reddy

Course: MSc Data Science and Analytics with placement

Supervised by: Dr Helen Xiang

Type of Proposal: Detailed Project Purposal

Predicting House Prices Using Machine Learning

### Hypothesis

The project aimed to foretell the housing predictions was using data science and analytics. Here project was about using advanced regression techniques and even implement them on neural networks to forecast the prices of changes.

### The Problem / Short description of your idea

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I always wonder why house prices always skyrocket even it not much worth it. I have researched over the other areas or even other countries as well this situation was everywhere.

I have looked upon several examples. Every buyer has one common thing. The buyer was unexplored how much price was previously sold, and even they have it. The buyer will not use statistical analysis to price negotiations. Simply buyer tries to negotiate the price based on the realtor prices.

So, I firmly believe this project will help buyer will help negotiate the price on the previous costs, not based on the realtor.

### The project aim(s)

The project's overall aim was to predict the house price based on previous sold prices and changes in the overall years.

To complete this project, previous sold house data, statistical analysis, Machine learning techniques, and Neural networks will be required.

### The project objectives