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In collaboration with

University of Westminster (UoW)

“Shelta”

**House Pricing prediction system for sellers using advanced
regression techniques and neural networks**

A dissertation by

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Abstract

Shelter is one of the basic needs of humans. In today's world, with the increase of population all around the globe and limitation of real estate or bare land to build real estate properties, housing market is one of the areas that has an ever-increasing demand. Every one of us have tried to sell or buy a real estate property in our lifetimes. This research paper discusses the possibility of using Advanced Regression methods and multilayer perception concepts of Machine Learning to predict selling prices to Sellers who are willing to sell their properties.

Initial literature review has revealed that even though machine learning techniques have been utilized in projects similar to this, the usage of multilayer perception and advanced regression techniques have not been explored thoroughly. The goal of this research was to mend that gap and use multilayer perception techniques to predict housing prices for Sellers.