**Coursera Capstone Project**

## The Battle of Neighborhoods

**Problem Definition**

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# 1. Introduction

London today is not only one of the cultural and economic centers of the world, but also a major scientific and technological center. This in turn leads to a constant growth and development of the city, and also to an increasing demand on housing. Accordingly, not only the cost, place and availability of public transport, but also access to public places such as shops and kindergartens are becoming the criteria for choosing and buying housing.

Customers, making a decision on the acquisition of real estate, are guided today by a combination of factors, the analizyng of which is not possible without the use of machine learning due to extremely large amounts of data. New technologies come to the help to analyze large amounts of data, as well as present the results in a form convenient for buyers.

The goal of this project is to develop a machine learning algorithm that will simplify the search for real estate for purchase.

**2. Intendend users**

Real estate agents, that need the tools to analyse properties of housing and customers demands to develop the best offer.

**2. Stakeholders**

Government of UK, Real estate agents, Clients