# Capstone Project - The Battle of the Neighborhoods

Applied Data Science Capstone by IBM/Coursera

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## Introduction

Salt Lake City, Utah is one of the fastest-growing cities in the United States. As a result, home sales prices have been gradually increasing.

In this project, we will examine home sales prices in Salt Lake City, Utah. We also analyze the factors which impact sale prices. In addition, we will find the list of homes that are in the range between $200k and $300k and have the greatest number of utilities within 1 km**. This data analysis will be beneficial to whom are currently looking to buy an affordable home in Salt Lake City.

## Data

For this problem, we will need the following data:

- List of homes for sale in Salt Lake City.
- Data of venues in Salt Lake City.
- Data of coordinates of venues and homes in Salt Lake City.

To acquire these data, we use the sources:

- The list of homes for sale in Salt Lake City downloaded from redfin.com.
- Number of venues, their coordinates and categories using Foursquare API.
- Coordinates of homes using Google Maps API geocoding.