Moving to Las Vegas

Coursera IBM Data Science Capstone

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1. Introduction / Business problem

1.1 Scenario

I am curretly living in Italy in a sparkling university town called Padova/Padua. I have plenty of venues and attractions especially parks for children, shopping venues for wife and theatres for me. I got a job in Las Vegas and I am planning to relocate if I can find a place to live with similar venues.

1.2 Problem to be solved

I need to find a Las Vegas area with:

- similar venues
- availability of a single house with min 2 bedrooms, 2 bathrooms, a garage and a garden with swimming pool, no HOA fees, build after 2009 and a budget of $500k
- nearby primary, middle and high schools
- maximum distance from Caesars Palace Casino (job location): 10 miles

1. Introduction / Business problem

1.3 Potential audience

- This project can be useful for all those people that need to relocate with their families in the same country or in different countries or even continents.

- It can be useful for businesses that are planning to relocate and are considering their employees needs in the global balance of pros and cons.

- It can be adapted to the case of evaluating a new business opportunity in a certain area.

- Last, but not least, it can be useful for everyone interested in Data Science as a possible solution for a practical case.

2. Data

2.1 Data sources

- Geodata for Padova/Padua with venues (Nominatim or geocode, Foursquare and Folium)

- Geodata for Las Vegas neighborhoods including the sorrounding cities of North Las Vegas and Henderson, plus the Census-designated places of Blue Diamond, Enterprise, Paradise, Spring Valley, Summerlin South, Sunrise Manor, Whitney and Winchester with venues (Wikipedia, Nominatim or geocode, Foursquare and Folium)

- List of houses to buy (zillow, Nominatim or geocode and Folium)