

Comparing Neighborhoods in Dubai and Doha

Introduction

This article is the first part of my capstone project for Coursera IBM Data Science Professional Certificate, a 10-course program offered by IBM that explores several disciplines of the Data Science field. Some of those disciplines will be applied to solve the Business Problem described below.

Business Problem

Dubai and Doha are Middle East cities very similar to each other, not only because of the climate, geographic location and futuristic skyscrapers. Both are ranked among the most high-tech and safest cities in the world. The life cost and average salary are also similar in both cities.

Dubai and Doha are also very similar in terms of opportunities for work, especially in IT. Based on that, we may face the following situation: an IT professional, based in Dubai, who got a great job offer from a big company in Doha, decides to move to Qatar's capital.

When moving to the new city, the professional would like not only to live near the new job but also to settle in somewhere similar to where he or she is currently based. When people are used to live near places that make their lives easier and more comfortable (such as gyms, restaurants, supermarkets...), it is natural that they look for neighborhoods with the same characteristics in a new city.