

**Coursera Capstone**  
**IBM Applied Data Science Capstone Project**

**Finding the safest place in San Francisco**

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## Introduction

When we move to a new city, or when we want start a new business, the first thing we need is peace of mind. If we are moving, we should be able relax at the end of our day, or if it is a business, we should always have a pleasant environment for our customer. For that to happen, we should always choose a safe neighborhood. This project is aimed at exactly that. We try to find out the most safest place in San Francisco from data.

**The target audience:** The target audience of this project might be a single person or a family hoping to move to a new city. It can also be business man hoping to start a new business. Both type of audience needs the same thing, that is a safe neighborhood.

## **Data**

**To solve this problem, we need the following data:**

- 1, The crime record of the entire city
- 2, The coordinates of selected locations
- 3, Venue data

### **Sources of Data:**

We would be using the San Francisco crime data that was used previously in the course for gathering the crime record of the city.

As for the coordinates that we require, we would be using the Geocoder library.

We would be utilizing the Foursquare API to get venue data for selected neighborhoods