Section 1: Introduction

I will clearly define in this section the idea of my choosing, where I leverage the Foursquare location data to solve the imagined business opportunity.

Background

If you want to travel to a foreign city such as Casablanca, you have to do a lot of work to prepare for such an event.

Searching the different travel sites is very painful because they do not offer all the necessary information at the same time.

Of course you have to see the areas around the place you want to visit that could be rife with crime, including muggings, car theft and assault, for example. Approach the place from any direction other than the north and you could put your life in danger. That's when my idea comes in.

Imagine the following scenario:

1. You do not like to travel without preparation and planning your trip.

2. You want to travel to Casablanca to participate in a Data Science project

3. You would to stay in Casablanca Three days after the end of the event to explore the city and its region

4. You do not know anyone in this city to give you good plans and to show you the best places

5. On your last trip you were agerated and you lost your papers and your money so you became too susceptible

6. You do not have much time to search all the travel sites because the conference starts very soon

So What do you do ... ?

Project Idea

I thought it would be interesting to give the traveler a map of the area where he will work, with the best places he can eat, go out and distract himself while showing him crime data in the neighborhoods.

1. The user chooses his destination 'Casablanca' for example

2. Look for the busiest places in the city on FourSquare

3. The list is compiled by geographic data.

4. We select the best places in the environment.

5. Obtaining crime data in the region

6. The user is presented with a crime map and best locations combined.

7. It is also presented the future probability that a crime will occur near or around selected sites.

There are many data science aspect of this project including:

1. Data Acquisition

2. Data Cleansing

3. Data Analysis

4. Machine Learning

5. Prediction

Now that the work is over the traveler can explore Casablanca and feel much safer.