Introduction/ Business Problem:

Imagine planning to visit a city for a music festival or a work conference. While you are there you also plan to explore the city where it is occurring. You want to visit the top places to eat or other attraction while you are there but want to minimize the chances of getting robbed or stepping into a high crime area while you are there. So, for my capstone project I want to show with FourSquare location data being backed up by open crime data, there is a way to predict the likelihood of crime around the area a traveler plans to visit. Then use that result to plan a day where they have the lowest possible chance of being a victim of crime. This will mainly be targeted at frequent travelers that don't have time to do extensive research on where they are going and need a quick collection of information to help plan their trip.

Data:

For the scope of this project we will assume the traveler is going to Austin, TX for the SXSW festival.

I will be using location data from foursquare to determine the most popular venues around the Austin downtown area.

The other data set I will use is the open crime data from the Austin city police, to map out crimes and make predictions as to where crime will likely occur.