If you like to travel and experience new cities in a couple of days, you know how hard it is to choose what to see and where to go. What, if you had the all the information you need at hand with just one click?

Let's do ANY CITY in 3 days!

Capstone Project for course "IBM Data Science Professional"

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LET'S DO ANY CITY IN 3 DAYS!

Introduction

Many people love to travel and experience new cities. These days people are always busy, so a 3 day trip is all they can carve out of their routine to get away from your everyday life and re-charge their batteries by some new experiences. Even if experiencing something new is the primary objective, many folks still like to stick to a certain routine to get the most out of their 3 days given their personal preferences.

For instance, you might want to visit the top 3 museums and sights and see different restaurants and nightlife areas. Despite the readily available information on the internet, planning a trip to fit your personal preferences can be a tedious job! There's just too much information and just sorting and selecting can keep you busy for days. That's the catch: You are too busy to take a 2 week vacation and now you realize you don't even have the time to properly prepare a fully packed 3 day trip to the city, you've always wanted to visit!!

What, if you could get a customized itinerary according to your needs for any major city of the world?

What, if this itinerary would consider user ratings of the different , so you don't step into all the tourists' traps?

What, if this itinerary could be generated with JUST ONE CLICK?

Based on location data from FourSquare.com, this project will demonstrate a tool to generate a 3 day itinerary for any major city of the world that:

1) includes the 3 top-rated museums,
2) the 3 top-rated sightseeing venues,
3) the nearest neighborhoods for breakfast, dinner and nightlife for each day
4) and the most convenient hotel for the trip
5) and requires just one click!

Data

This project uses the developers api of FourSquare.com as a source for location data.

FourSquare.com provides location data, like geographical coordinates, address information, opening hours, user ratings and more. A free subscription is available that limits daily number of calls to the database, but nevertheless is a great tool for developers of location-based apps and websites.

Methodology

section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, if any, and what machine learnings were used and why.

Results

section where you discuss the results.

Discussion

section where you discuss any observations you noted and any recommendations you can make based on the results.

Conclusion

section where you conclude the report.

Acknowledgments