WEEK 7 ASSIGNMENT

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MSDS 670

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INTRODUCTION

- This data set provides information about population of many countries in the world. The data set is shared on Kaggle.

- Link of data is here: https://www.kaggle.com/datasets/arslanali4343/world-cities-database-population-oct2022
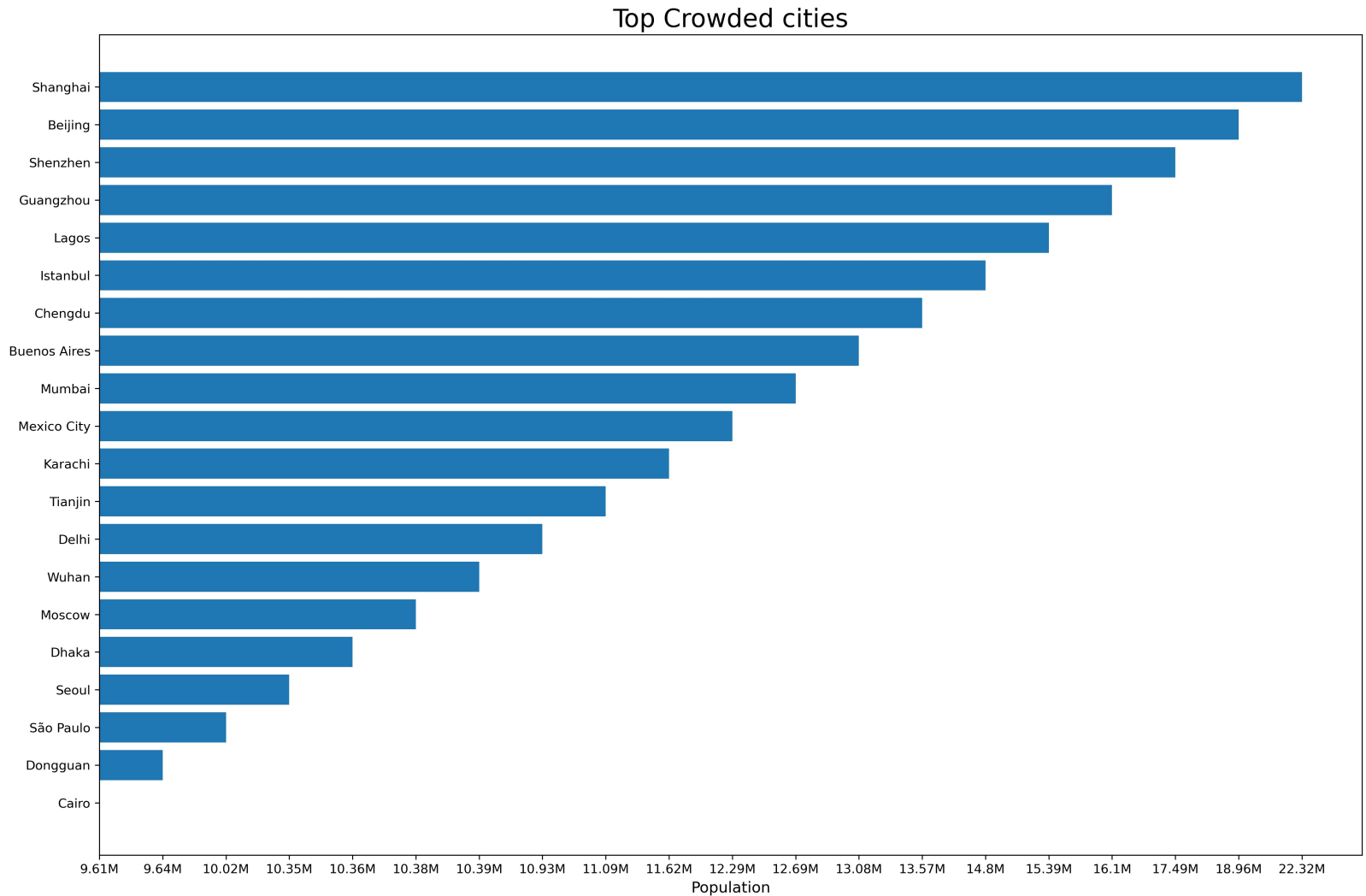
METHODOLOGY

- The purpose of the dataset is to have a knowledge about the population all over the world. That's why I will think of using geopandas, cartopy and folium map to visualize the data.

- I used Spyder as the main coding software and Jupyter Notebook as the supportive software.

- In Spyder, I can't export the heatmap to image, so I exported it to html and screenshot the map.

RESEARCH QUESTION

- Which are the top 20 crowded cities in the world?

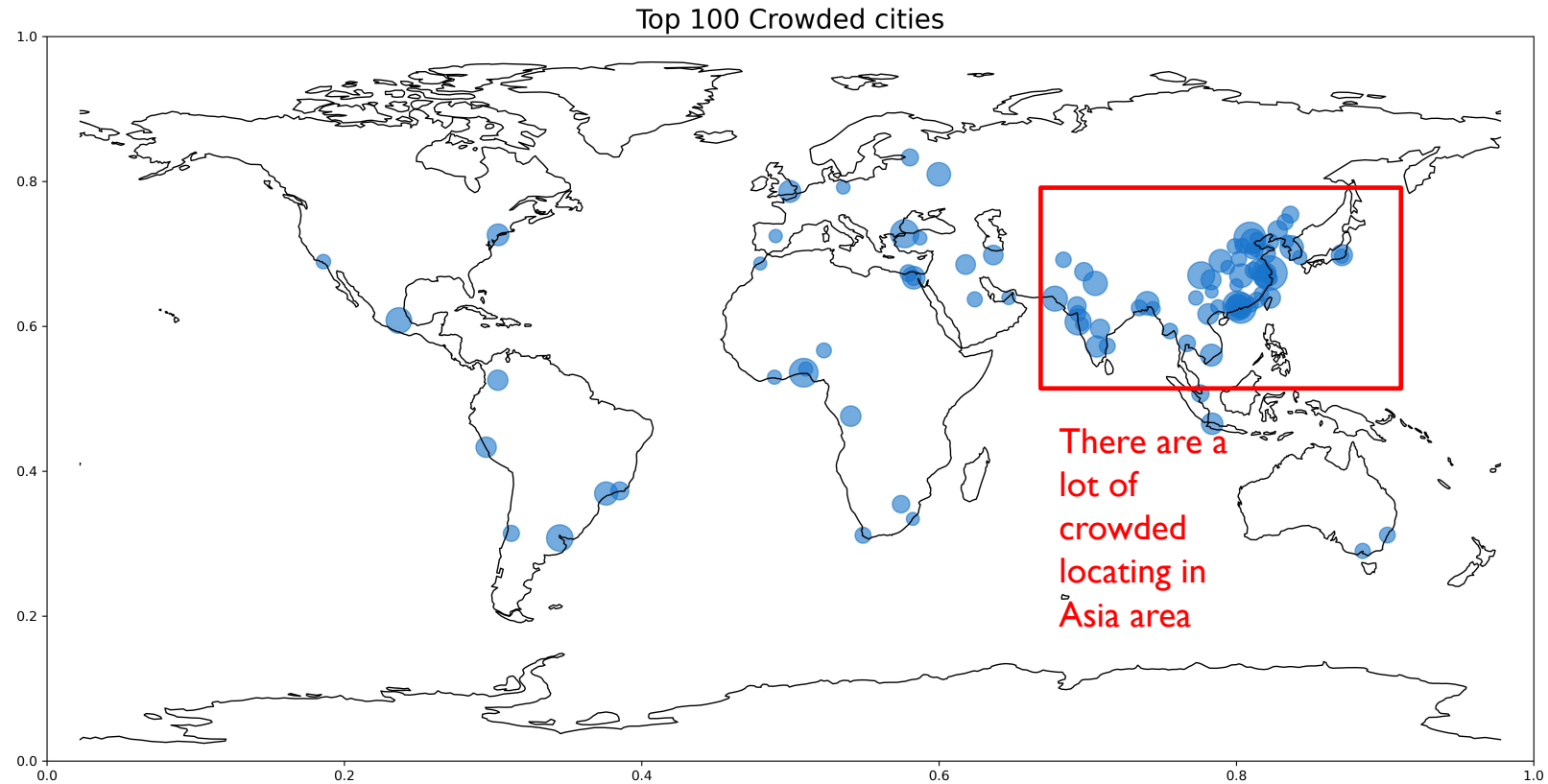- Where are they?

- Which area do the crowded cities mostly locate?

THE 2 MOST CROWDED CITIES ARE SHANGHAI AND BEIJING

- The population of these 2 cities are really hugh with 22.32M and 18.96M people respectively
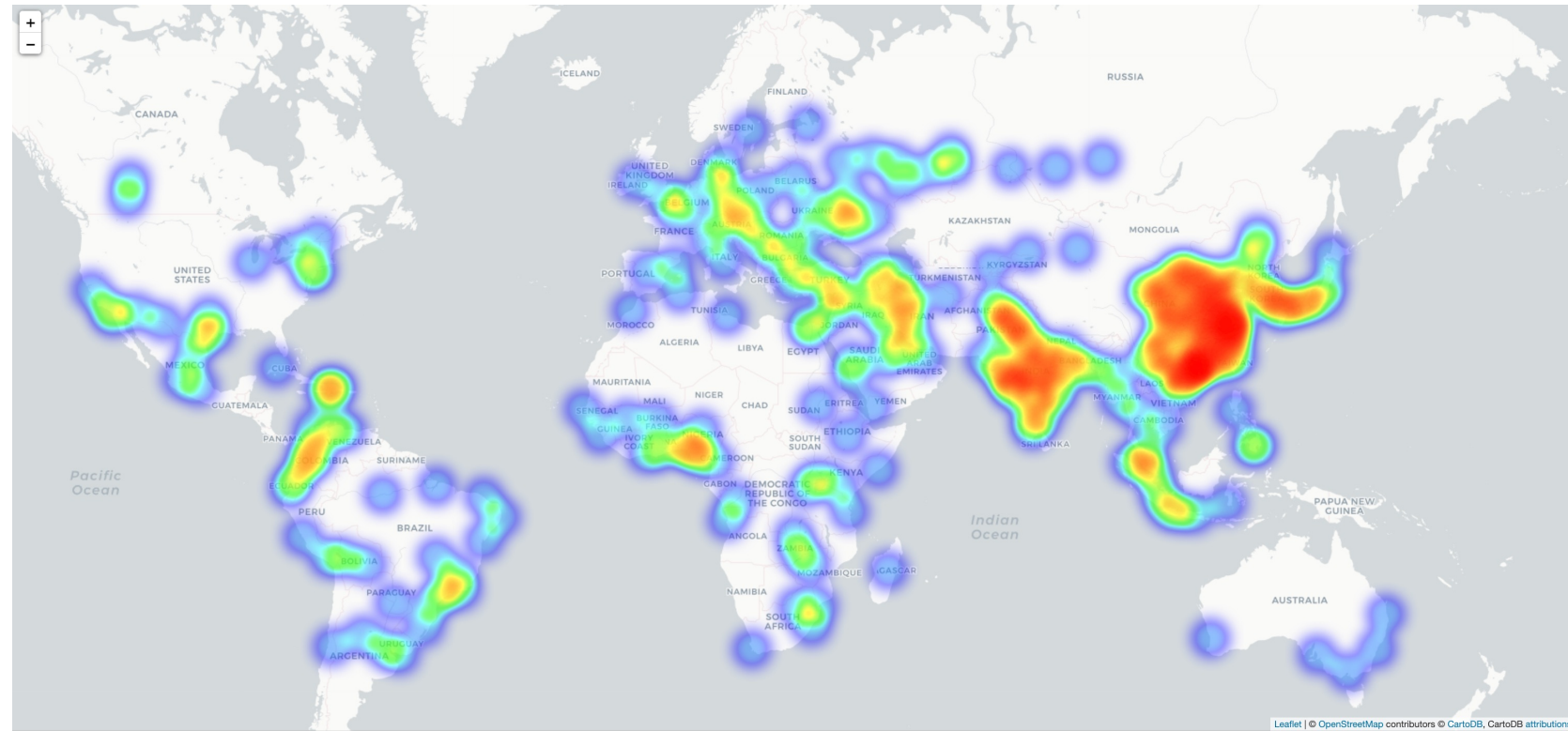

Top Crowded cities

THE CROWDED CITIES ARE MOSTLY LOCATED IN ASIA

- Only a few crowded cities are located in US, UK and Africa
- It's clear to see that the blue circles are really intensive in Asia area.

Top 100 Crowded cities

There are a lot of crowded locating in Asia area

PEOPLE SEEM TO HAVE INTENTION TO LIVE NEAR THE COAST.

- Asia is still the area which has lots of cities having more than 1 million people.

- People have intention to live near the coast and warm area rather than inner and cold area such as Australia, Northern and Southern areas of the earth.

CONCLUSION

- Shanghai and Beijing are the 2 most crowded cities in the world

- Crowded cities are mostly located in the Asia area.

- People have intention to live near the coast and warm area rather than inner and cold area such as Australia, Northern and Southern areas of the earth.

THANK YOU