

APAN 5400

Group 9

Final Project: Chicago Crime Dashboard Web

Documents:

1. APAN5400_Final_Project_Part1.ipynb
2. APAN5400_Final_Project_Part2.ipynb
3. app2.py
4. dashboard.html

Part 1: Read Data, Data Cleaning, Save Locally

Part 2: Insert Data to PostgreSQL, Data Analysis

App2: Use Flask to create our own dashboard website

Dashboard.html: template html

How to use:

- Run Part 1 first → Part 2 directly
- Run app2.py in shell/terminal

All data and html are in the folder as reference, if there's any question please email:

zl3388@columbia.edu:

Crimes_covid.csv folder: part-00000-f8910cea-443b-4b72-bd93-617b172cdb6e-c000.csv

include crime data after covid after data cleaning by using distributed computation Spark

Shapefile folder: geographical data to draw map frequency

Static folder: use for web development

Template folder: template use for web development

Chicago_Police_Department_-_Illinois_Uniform_Crime_Reporting__IUCR__Codes.csv: IUCR
code for more information about crime type

CommAreas.csv: community area code