NYC RESTAURANT INSPECTION ANALYSIS TOOL

Liangxian Zhao(lynsey)s2869753

Rafael Alexander s5277157

DEVELOPMENT VITUAL ENVIRONMENT

✓ Anconda 3

✓ Python3.9 (sqlite3, panda, Wxpython, pyecharts, pyecharts-snapshot, snapshot-selenium, coverage, unittest)

✓ Chrome Driver

CHROME DRIVER INSTALLMENT

- **D**ownload Chromedriver for the respective Operating systems https://chromedriver.chromium.org/downloads
- **O**nce the zip file is downloaded for the operating system, unzip it to retrieve the chromedriver.exe executable file. Copy this file to a specific location of your choice.
- **C**opy the path where the ChromeDriver file is saved to set the system properties in environment variables.
- **R**ight-click on My Computer and click on Properties
- **C**lick on the Change settings option and then click on the Advanced tab
- **S**elect the Environmental variables from the Advanced tab
- **F**rom the available options under system variables, select the Path option and click on Edit
- **A**t the end of the string, enter a semicolon ';' and paste the path of your ChromeDriver file that you copied earlier, and click OK

MAIN WINDOW

- User access the main window of NYC Restaurant Inspection Analysis Tool

- There are five function buttons specific design for Time, Violation Distribution, Violation Keyword, Animal related case,Borough
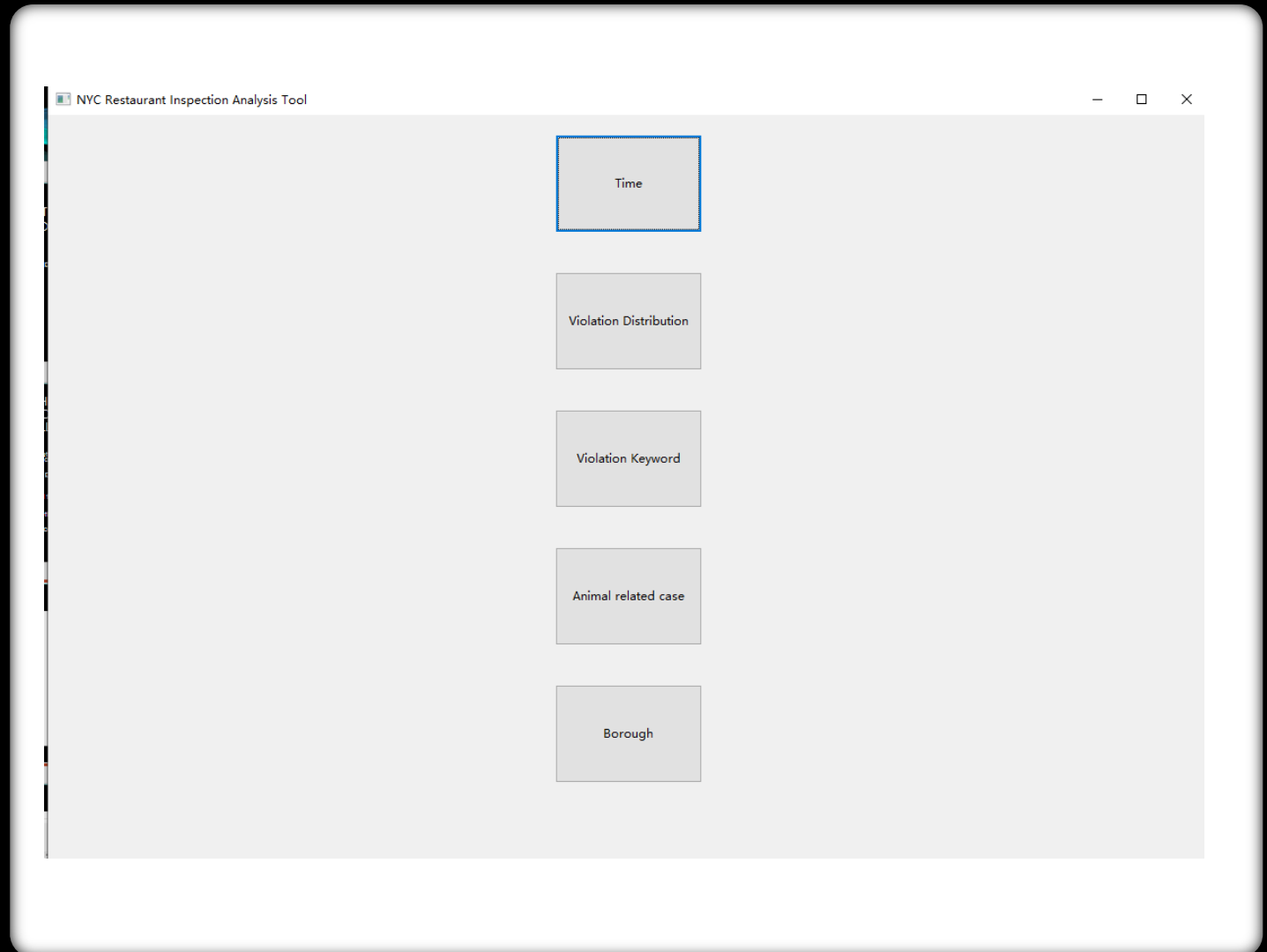
TIME

- User enter the StartDate and EndData, and click find button

- Datetime must be mm/dd/year, otherwise Not found result shown

- Not Found result only exist when user enter invalid date as well as not fill up blank

- User can click Home button back to main window

VIOLATION DISTRIBUTION

- User enter the StartDate and EndData, and click find button, then result of violation distribution (Stacked chart)came up

- Datetime must be mm/dd/year, otherwise Not found result shown

- Not Found result only exist when user enter invalid date as well as not fill up blank

- User can click Home button back to main window/new search start a new search
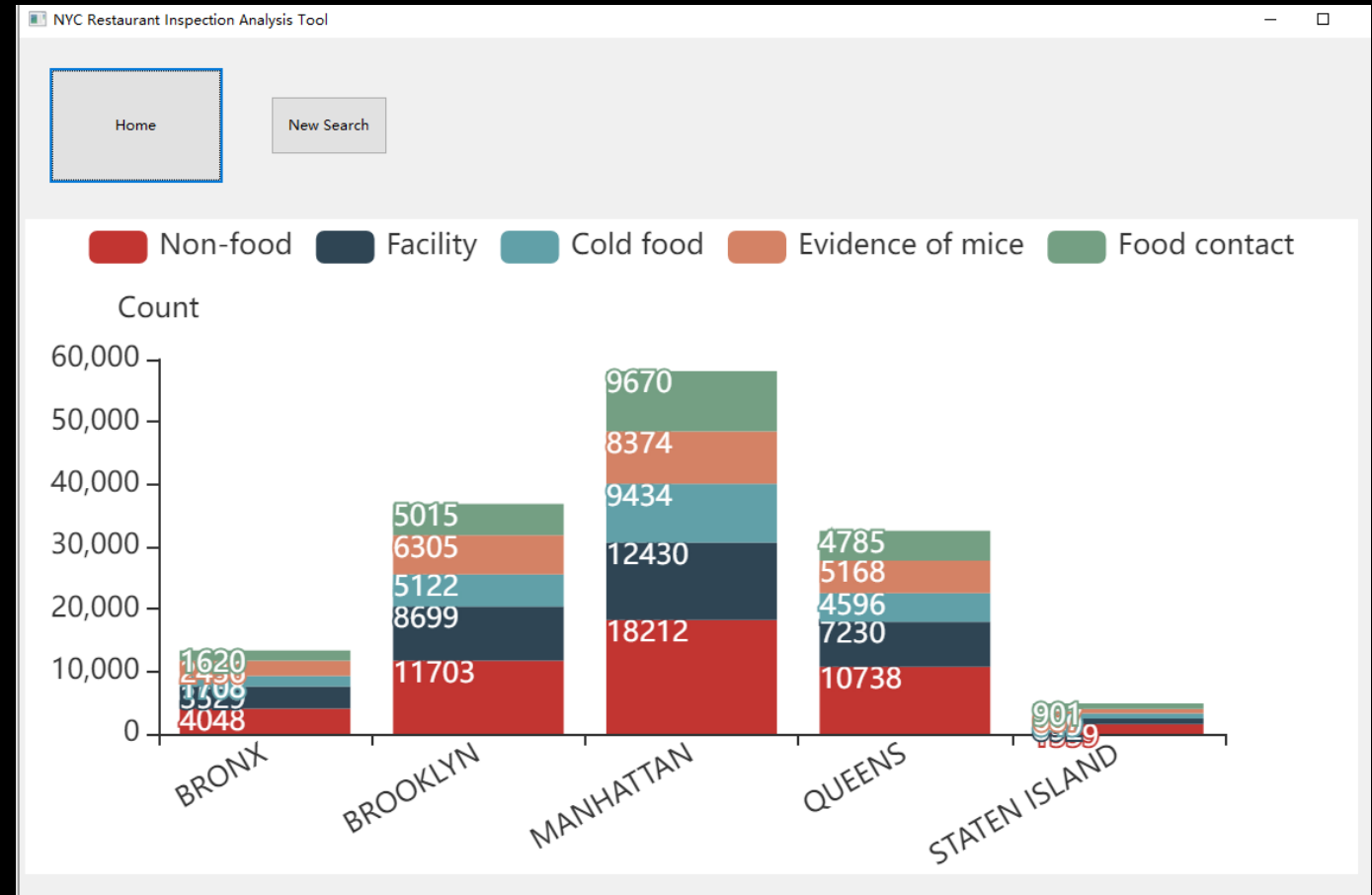
VIOLATION KEYWORD

- User enter the StartDate and EndData, and keyword search

- Click Find to search the result of violation keyword

- Datetime must be mm/dd/year, otherwise Not found result shown

- Not Found result exist when user enter invalid date as well as not fill up blank

- User can click Home button back to main window

ANIMAL RELATED CASE

- User enter the StartDate and EndData

- Click Find to search the result of animal related case trend over different boroght

- Datetime must be mm/dd/year, otherwise Not found result shown

- Not Found result exist when user enter invalid date as well as not fill up blank

- User can click Home button back to main window
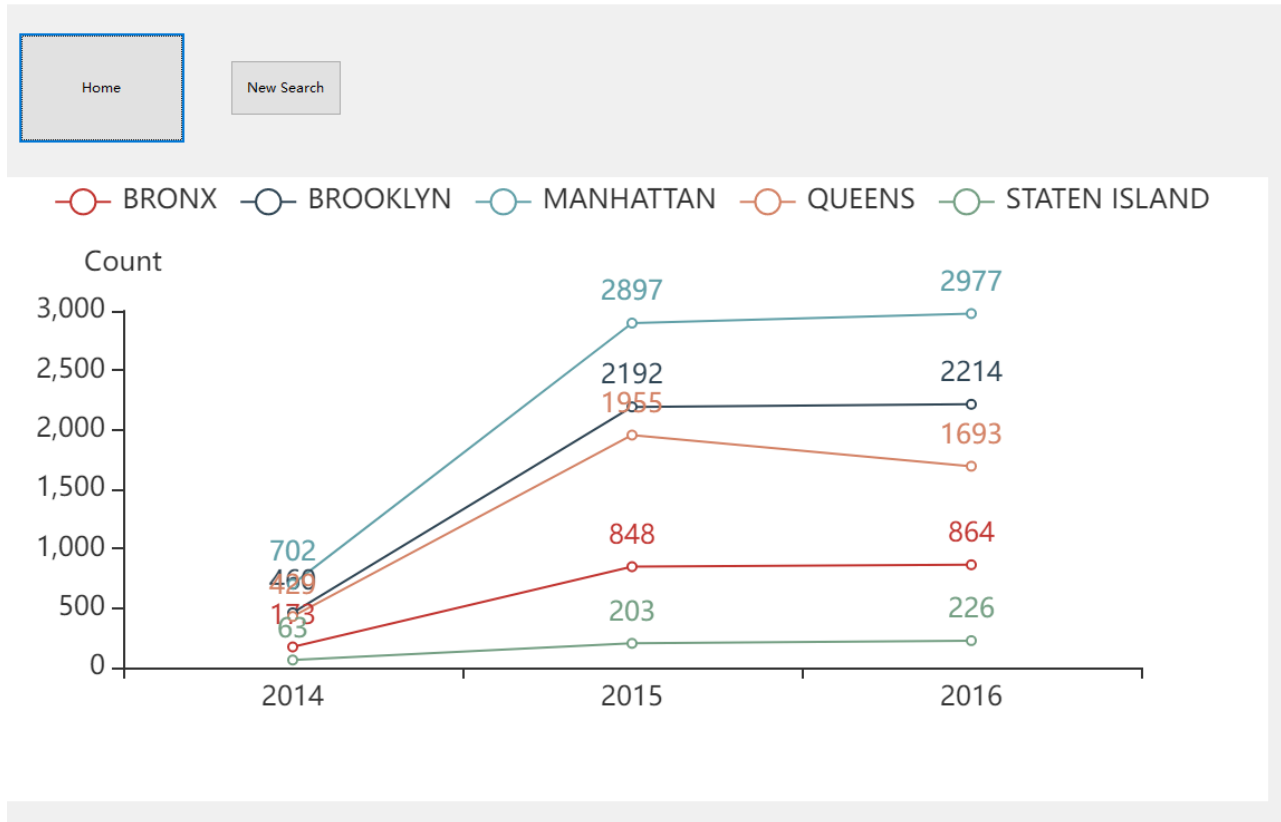
BOROUGH

- User can select Borough from dropdown menu

- Click Find to search the result of distribution

- Datetime must be mm/dd/year, otherwise Not found result shown

- User can click Home button back to main window