



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



VIDEO DEMONSTRATION

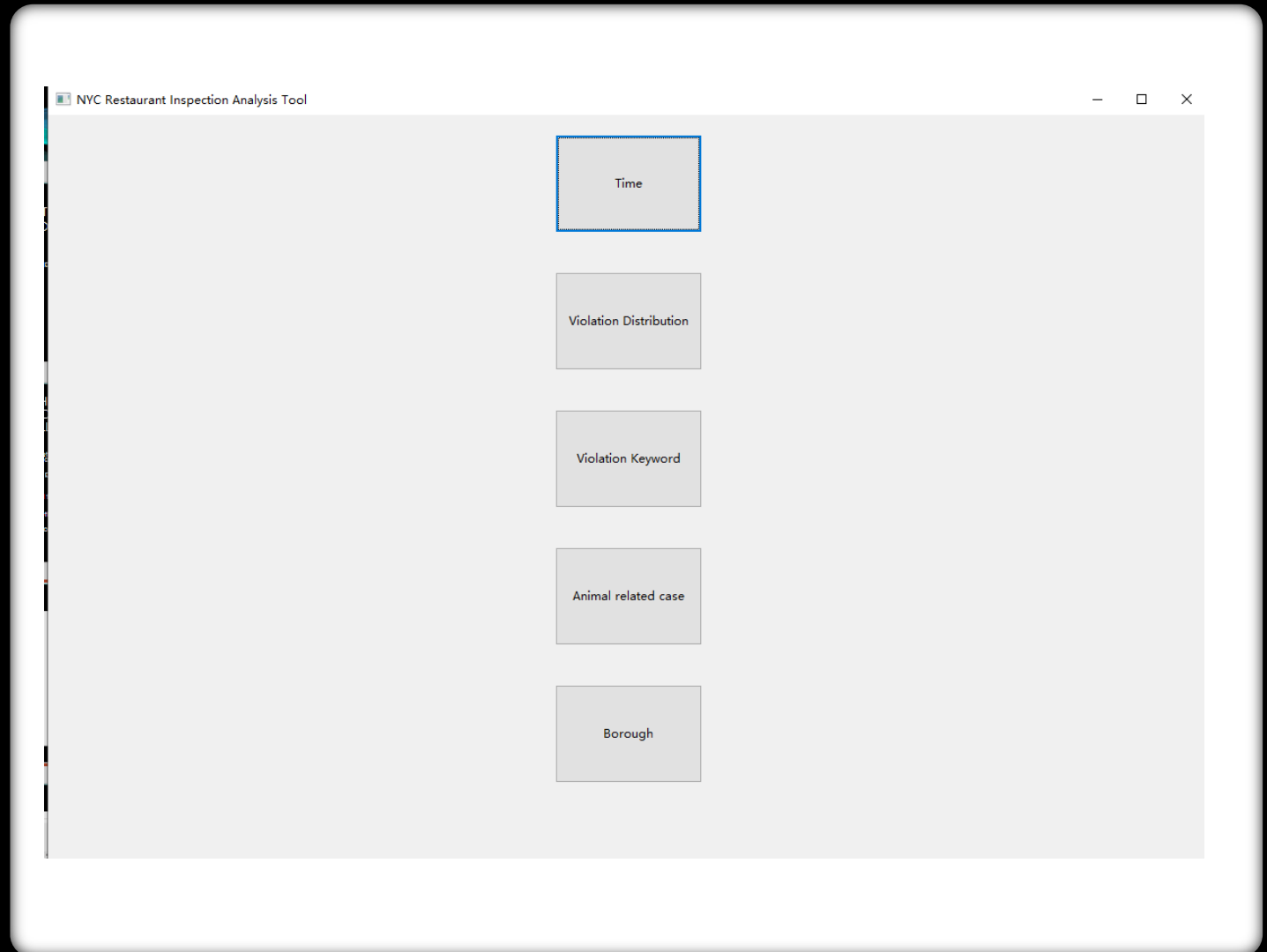
- Please click the link below to confirm the implementation of NYC Restaurant Inspection Analysis Tool
- [Click here](#)

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 EndDate, 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

Enlarge the window to show scrollbar after search

*Date Format: MM/DD/YYYY

*Range: 01/01/1900 - 31/12/2016

Home

StartDate 11/15/2014

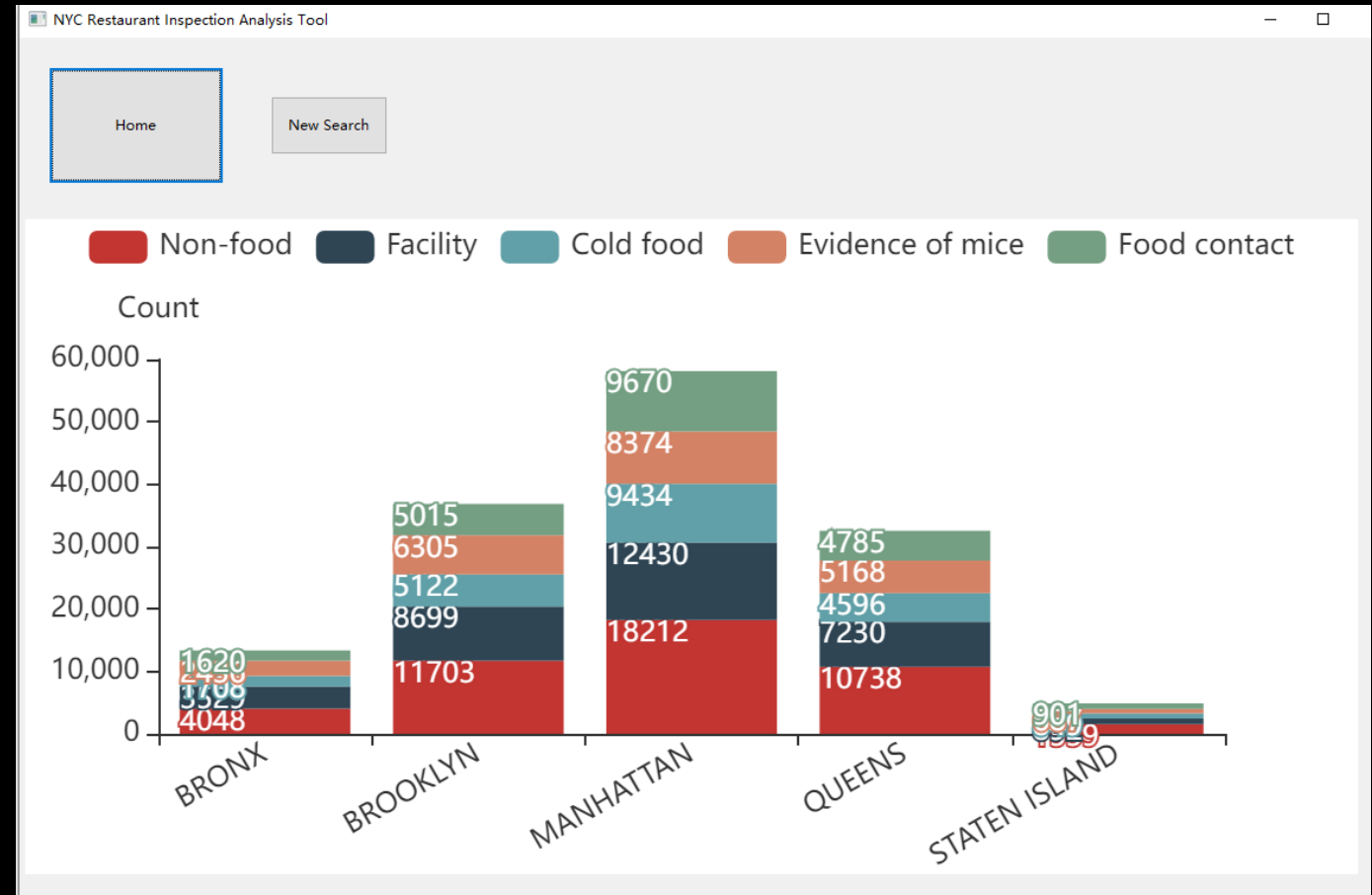
EndDate 11/19/2017

Find

	CAMIS	DBA	BORO	BUILDING	STREET	ZIPCODE	PHONE	CUISINE_DESCRIPTION	INSPECTION
1	40511702	NOTARO RESTAURANT	MANHATTAN	635	SECOND AVENUE	10016.0	2126863400	Italian	06/15/2015
2	40511702	NOTARO RESTAURANT	MANHATTAN	635	SECOND AVENUE	10016.0	2126863400	Italian	11/25/2014
3	50046354	VITE BAR	QUEENS	2507	BROADWAY	11106.0	3478134702	Italian	10/03/2016
4	50061389	TACK'S CHINESE TAKE OUT	STATEN ISLAND	11C	HOLDEN BLVD	10314.0	7189839854	Chinese	05/17/2017
5	41516263	NO QUARTER	BROOKLYN	8015	5 AVENUE	11209.0	7187019180	American	03/30/2017
6	50015855	KABAB HOUSE NYC	QUEENS	4339	MAIN ST	11355.0	9172852796	Pakistani	03/03/2015
7	50058069	HENRI'S BACKYARD	BROOKLYN	256	4TH AVE	11215.0	9293378443	American	06/22/2017
8	40807238	RICHMOND COUNTY COUNTRY CLUB	STATEN ISLAND	1122	TODT HILL ROAD	10304.0	7183510600	American	06/14/2017
9	41547684	PLANET WINGS	STATEN ISLAND	480	FOREST AVENUE	10310.0	7187209464	American	03/10/2015
10	40376944	TOMOE SUSHI	MANHATTAN	172	THOMPSON STREET	10012.0	2127779346	Japanese	10/06/2015
11	40560896	YAKITORI TAISHO	MANHATTAN	5	ST MARKS PLACE	10003.0	2122285086	Japanese	08/13/2015
12	41696945	GOLDEN KRUST CARIBBEAN BAKERY & GRILL	QUEENS	13858	FRANCIS LEWIS BOULEVARD	11422.0	7183412011	Caribbean	10/14/2015
13	41701178	CRAB SPOT RESTAURANT	BROOKLYN	833	UNION STREET	11215.0	7186222722	Seafood	07/28/2016
14	41374557	M NOODLE SHOP	BROOKLYN	549	METROPOLITAN AVENUE	11211.0	7183848008	Chinese	01/19/2017
15	41688137	LOWER SUITES STOLI BAR SOUTH CLUB LOUNGE	BROOKLYN	620	ATLANTIC AVENUE	11217.0	9176186310	American	01/25/2017
16	40570634	AN BEAL BOCHT CAFE	BRONX	445	WEST 238 STREET	10463.0	7188847127	American	08/14/2017
17	41575449	MIDNIGHT EXPRESS	MANHATTAN	1715	2 AVENUE	10128.0	2128602320	American	12/19/2014
18	50018449	SPRING FISH VILLAGE	QUEENS	13621	41ST AVE	11355.0	7189393633	Chinese	03/21/2016
19	41611667	SERVICE BAR 7	QUEENS	11000	ROCKAWAY BOULEVARD	11420.0	6465881074	American	04/07/2016
20	41006018	THE FIVE SPOT	BROOKLYN	459	MYRTLE AVENUE	11205.0	7188520202	Soul Food	05/12/2016

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 EndDate, 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

NYC Restaurant Inspection Analysis Tool

*Enlarge the window to show scrollbar after search

Home

StartDate 02/18/2014

Keyword mice

EndDate 06/19/2017

Find

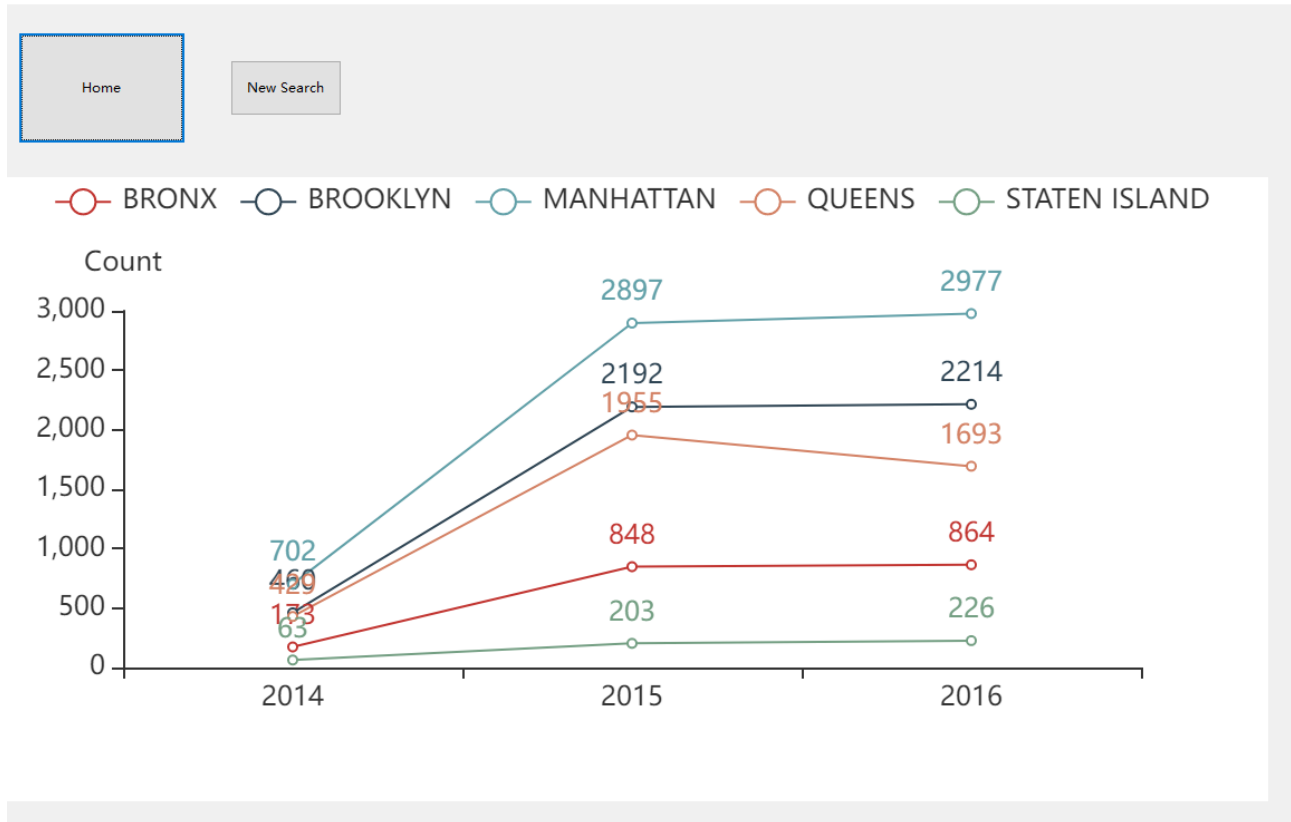
*Date Format: MM/DD/YYYY

*Range: 01/01/1900 - 31/12/2016

	CAMIS	DBA	BORO	BUILDING	STREET	ZIPCODE	PHONE	CUISINE_DESCRIPTION
21	50006412	LOS PRIMOS DELICATESSEN	BROOKLYN	236	PENNSYLVANIA AVE	11207.0	7184855581	Spanish
22	40545227	ARIYOSHI JAPANESE RESTAURANT	QUEENS	4113	QUEENS BOULEVARD	11104.0	7189373288	Japanese
23	50005552	MJ PIZZA	MANHATTAN	1976	1ST AVE	10029.0	2129962866	Pizza
24	50057096	LUCHA LUCHA	BROOKLYN	173	IRVING AVE	11237.0	7189382661	Mexican
25	50018348	EMPIRE III	MANHATTAN	1902	A C POWELL BLVD	10026.0	2122808880	Chinese
26	41641278	OLD COUNTRY BAGEL	QUEENS	16226	CROSS BAY BLVD	11414.0	7188459211	Bagels/Pretzels
27	40366586	SHIMONS KOSHER PIZZA	QUEENS	7124	MAIN STREET	11367.0	7187931491	Jewish/Kosher
28	41609113	NOORMAN'S KIL	BROOKLYN	609	GRAND STREET	11211.0	3473842526	American
29	41717023	SALLY'S COFFEE SHOP	BROOKLYN	8501	3 AVENUE	11209.0	7186802292	Middle Eastern
30	41306859	SUN WAH CHINESE RESTAURANT OF NY	QUEENS	3016	36 AVENUE	11106.0	7189375212	Chinese
31	41461985	MATSU SUSHI	QUEENS	3411	30 AVENUE	11103.0	7187267029	Japanese
32	40544529	CORATO PIZZA II	QUEENS	6091	MYRTLE AVENUE	11385.0	7183810915	Pizza/Italian
33	40645073	LA SABROSURA	BRONX	25	EAST 170 STREET	10452.0	7182937891	Latin (Cuban, Dominican, Puerto Rican, South & Central Amer
34	40606656	LATERNA TAVERNA	QUEENS	4720	BELL BOULEVARD	11361.0	7184231245	Greek
35	41595614	HOMEMADE TAQUERIA	QUEENS	45-09	34 AVENUE	11101.0	7182551349	Mexican
36	50016451	HINOMARU KO	QUEENS	4206	30TH AVE	11103.0	7187778838	Japanese
37	41719236	JUNIOR'S FRESH KITCHEN	MANHATTAN	52	MERCER STREET	10013.0	9174036394	American
38	40643138	PARMA RESTAURANT	MANHATTAN	1404	3 AVENUE	10075.0	2125353520	Italian
39	41645110	SILVER PALACE	MANHATTAN	3438	BROADWAY	10031.0	2122838000	Chinese

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

NYC Restaurant Inspection Analysis Tool

Home

MANHATTAN
BRONX
BROOKLYN
MANHATTAN
QUEENS
STATEN ISLAND

Find

Enlarge the window to show scroll

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16	40570634	AN BEAL BOCHT CAFE	BRONX	445	WEST 238 STREET	10463.0	7188847127	American	08/14/201
17	41552184	NOM WAH TEA/DIM SUM PALOR	MANHATTAN	13	DOYERS STREET	10013.0	2129626047	Chinese	09/02/201
18	41696159	LUIGI'S PIZZA & PASTA	BRONX	119	EAST MOUNT EDEN AVENUE	10452.0	7182941800	Pizza	10/27/201
19	50000705	ANARKALI INDIAN FOOD	BROOKLYN	1125	CHURCH AVE	11218.0	7182822200	Indian	06/25/201