

Assignment:

NYC Food Inspections

A Data Analyst Journey

NYC OpenData

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New York City Restaurant Inspection Results

Data

New York City Restaurant Inspection Results

DOHMH New York City Restaurant Inspection Results

Health

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The dataset contains every sustained or not yet adjudicated violation citation from every full or special program inspection conducted up to three years prior to the most recent inspection for restaurants and college cafeterias in an active status on the RECORD DATE (date of the data pull). When an inspection results in more than one violation, values for associated fields are repeated for each additional violation record. Establishments are uniquely identified by their CAMIS (record ID) number. Keep in mind that thousands of restaurants start business and go out of business every year; only restaurants in an active status are included in the dataset.

Records are also included for each restaurant that has applied for a permit but has not yet been inspected and for inspections resulting in no violations. Establishments with inspection date of 1/1/1900 are new establishments that have not yet received an inspection. Restaurants that received no violations are represented by a single row and coded as having no violations using the ACTION field.

Because this dataset is compiled from several large administrative data systems, it contains some illogical values that could be a result of data entry or transfer errors. Data may also be missing.

This dataset and the information on the Health Department's Restaurant Grading website come from the same data source. The Health Department's Restaurant Grading website is here:

<http://www1.nyc.gov/site/doh/services/restaurant-grades.page>

See the data dictionary file in the Attachments section of the OpenData website for a summary of data fields and allowable values.

Updated
September 28, 2022

Data Provided by
Department of Health and Mental Hygiene (DOHMH)

About this Dataset

Mute Dataset

Updated
September 28, 2022

Data Last Updated
September 28, 2022

Metadata Last Updated
September 28, 2022

Date Created
August 1, 2014

Views
140K

Downloads
65.1K

Data Provided by
Department of Health and Mental Hygiene (DOHMH)

Dataset Owner
NYC
OpenData

Dataset Information

Agency Department of Health and Mental Hygiene (DOHMH)

Update

Update Frequency Daily

Automation Yes

Date Made Public 7/10/2015

Attachments

[RestaurantInspectionDataDictionary_09242018.xlsx](#)

[About_NYC_Restaurant_Inspection_Data_on_NYC_OpenData_050222.docx](#)

Topics

Category Health

Tags restaurant, inspection, violation, grade, adjudication, fines, 2018od4a-report, 2018od4a-video, food safety

What's in this Dataset?

Rows **242K**

Columns **27**

Each row is a **Restaurant Citations**

New York City Restaurant Inspection Results

View Data

Visualize

Export

API

...

Updated

September 28, 2022

Data Provided by

Department of Health and Mental Hygiene (DOHMH)

Download DOHMH New York City Restaurant Inspection Results

Download DOHMH New York City Restaurant Inspection Results for offline use in other applications.

CSV

KML

Shapefile

Additional Formats

[CSV for Excel](#)

[KMZ](#)

[TSV for Excel](#)

[CSV for Excel \(Europe\)](#)

[RDF](#)

[XML](#)


[GEOJSON](#)

[RSS](#)

Access this Dataset via OData

Use OData to open the dataset in tools like Excel or Tableau. This provides a direct connection to the data that can be refreshed on-demand within the connected application.

Tableau users should select the OData v2 endpoint option.

 [Socrata OData Documentation](#)

OData Endpoint

https://data.cityofnewyork.us/api/odata/v4/43nn

OData V4

Copy

Done

DOHMH_New_York_City_Restaurant_Inspection_Results.tsv

https://data.cityofnewyork.us/api/odata/v4/43nn-pn8j

New York City Restaurant Inspection Results

Columns in this Dataset				
Column Name	Description	Type		
CAMIS	This is an unique identifier for the entity (restaurant); 10-di...	Plain Text	T	▼
DBA	This field represents the name (doing business as) of the e...	Plain Text	T	▼
BORO	Borough in which the entity (restaurant) is located.; • 1 = M...	Plain Text	T	▼
BUILDING	Building number for establishment (restaurant) location	Plain Text	T	▼
STREET	Street name for establishment (restaurant) location	Plain Text	T	▼
ZIPCODE	Zip code of establishment (restaurant) location	Plain Text	T	▼
PHONE	Phone Number; Phone number provided by restaurant ow...	Plain Text	T	▼
CUISINE DESCRIPTION	This field describes the entity (restaurant) cuisine. ; Option...	Plain Text	T	▼
INSPECTION DATE	This field represents the date of inspection; NOTE: Inspecti...	Date & Time	📅	▼
ACTION	This field represents the actions that is associated with eac...	Plain Text	T	▼
VIOLATION CODE	Violation code associated with an establishment (restauran...	Plain Text	T	▼
VIOLATION DESCRIPTION	Violation description associated with an establishment (res...	Plain Text	T	▼
CRITICAL FLAG	Indicator of critical violation; "• Critical • Not Critical • Not A...	Plain Text	T	▼

SCORE	Total score for a particular inspection; Scores are updated ...	Number	#	▼
GRADE	Grade associated with the inspection; • N = Not Yet Graded...	Plain Text	T	▼
GRADE DATE	The date when the current grade was issued to the entity (r...	Date & Time	📅	▼
RECORD DATE	The date when the extract was run to produce this data set	Date & Time	📅	▼
INSPECTION TYPE	A combination of the inspection program and the type of i...	Plain Text	T	▼
Latitude		Number	#	▼
Longitude		Number	#	▼
Community Board		Plain Text	T	▼
Council District		Plain Text	T	▼
Census Tract		Plain Text	T	▼
BIN		Plain Text	T	▼
BBL		Plain Text	T	▼
NTA		Plain Text	T	▼
Location Point		Point	📍	▼

New York City Restaurant Inspection Results

Table Preview


[View Data](#) [Create Visualization](#)

CAMIS	DBA	BORO	BUIL...	STREET	ZIPC...	PHONE	CUISI...	INSP...	ACTI...	VIOL...	VIOL...	CRIT
41661199	MAIN BA...	Queens	6729	MAIN ST	11367	71879345...	Afghan	06/10/2019	Violations...	04N	Filth flies ...	Critic
50086002	HER NAM...	Manhattan	525	BROOME ...	10013	91726201...	Peruvian	07/09/2019	Violations...	06E	Sanitized ...	Critic
40873138	WIMPY'S ...	Manhattan	1822	AMSTERD...	10031	21228189...	American	11/19/2019	Violations...	06D	Food con...	Critic
41122178	PORT RO...	Queens	11307	SUTPHIN ...	11435	71832366...	Caribbean	08/22/2022	Violations...	10B	Anti-siph...	Not C
50118835	Osaka Su...	Bronx	1041	MORRIS P...	10461	64668368...	Asian/Asi...	03/03/2022	Violations...	10B	Plumbing...	Not C
40369087	BLUE BAY...	Bronx	3533	JOHNSON...	10463	71888464...	American	04/16/2019	Violations...	09B	Thawing ...	Not C
50039305	BIN 5	Staten Isl...	1233	BAY STRE...	10305	71830942...	Italian	03/09/2017	Violations...	08C	Pesticide ...	Not C
50050984	KENNEDY...	Bronx	5605	BROADW...	10463	71843211...	Chicken	08/16/2022	Violations...	04A	Food Prot...	Critic
50079626	NEW FOR...	Brooklyn	7617	NEW UTR...	11214	71833188...	Chinese	01/16/2020	Violations...	02G	Cold food...	Critic
40370167	BURGER ...	Queens	22210	NORTHER...	11361	71822516...	Hamburg...	10/31/2019	Violations...	02B	Hot food l...	Critic
41708729	ENERGY F...	Brooklyn	606A	5 AVENUE	11215	71849969...	American	06/16/2022	Violations...	08A	Facility n...	Not C
41188824	MAX BRE...	Manhattan	841	BROADW...	10003	64646788...	American	08/10/2021	Violations...	10F	Non-food...	Not C
50098495	PARKWAY...	Queens	4425	DOUGLA...	11363	71822401...	American	09/24/2019	Violations...	10F	Non-food...	Not C
50071943	RAKU RES...	Manhattan	48	MACDOU...	10012	21298947...	Japanese	05/19/2022	Violations...	06D	Food con...	Critic

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Showing Restaurant Citations s 1 to 14 out of 242,408

Related Content Using this Data

 **DOHMH New York City**
Restaurant Inspection Res...

September 28, 2022

24.7K Views



This dataset provides restaurant inspections, violations, grades and adjudication information

New York City Restaurant Inspection Results



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DOHMH New York City Restaurant Inspection Results

The dataset contains every sustained or not yet adjudicated violation citation from every full or special program inspection conducted up to three years prior to the most recent inspection

CAMIS	DBA	BORO	BUILDING	STREET	ZIPCODE	PHONE	CUISINE DESCRIPTION	INSPECTION DATE	ACTION	VIOLATION CODE	VIOLATION DESCRIPTION
50053112	MODERN LOVE	Brooklyn	317	UNION AVENUE	11211	9292980626	Vegan	09/24/2022	Violations were cited in the following area(s).	06F	Wiping cloths not stored properly
50075519	D HACK'S HALAL	Queens	10725	LIBERTY AVE	11417	7186842162	Caribbean	09/24/2022	Establishment Closed by DOHMH. Violations were cited in the following area(s) and/or item(s):	04H	Raw, cooked or mixed meat not properly stored
50101051	KE LAI XIANG, FLAV...	Queens	136-20	ROOSEVELT AVENUE	11354	9293301999	Chinese	09/24/2022	Violations were cited in the following area(s).	06C	Food, supplies, equipment not properly stored
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	08A	Establishment not properly cleaned
50100378	PHO FAN'S/PKSAR'S...	Queens	13345	ROOSEVELT AVE	11354	3477329600	Chinese	09/24/2022	Violations were cited in the following area(s).	04A	Food Protection Program not properly implemented
50085672	CHLOE'S	Brooklyn	9413	AVENUE L	11236	3477709051	Caribbean	09/24/2022	Violations were cited in the following area(s).	04A	Food Protection Program not properly implemented
50001224	ZONA ROSA	Brooklyn	571	LORIMER STREET	11211	9173247423	Mexican	09/24/2022	Violations were cited in the following area(s).	08A	Establishment not properly cleaned
50075519	D HACK'S HALAL	Queens	10725	LIBERTY AVE	11417	7186842162	Caribbean	09/24/2022	Establishment Closed by DOHMH. Violations were cited in the following area(s) and/or item(s):	04N	Fifth flies or other pests not properly controlled
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	06E	Sanitized equipment not properly stored
50075519	D HACK'S HALAL	Queens	10725	LIBERTY AVE	11417	7186842162	Caribbean	09/24/2022	Establishment Closed by DOHMH. Violations were cited in the following area(s) and/or item(s):	02G	Cold TCS food not properly stored
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	04K	Evidence of rats
50059061	POPEYES	Brooklyn	5100	KINGS PLAZA	11234	7183773508	Chicken	09/24/2022	Violations were cited in the following area(s).	04N	Fifth flies or other pests not properly controlled
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	06D	Food contact surfaces not properly cleaned
50101051	KE LAI XIANG, FLAV...	Queens	136-20	ROOSEVELT AVENUE	11354	9293301999	Chinese	09/24/2022	Violations were cited in the following area(s).	08A	Establishment not properly cleaned
50077472	BAR BEAU	Brooklyn	61	WITHERS STREET	11211	9179091960	American	09/24/2022	Violations were cited in the following area(s).	10G	Dishwashing area not properly cleaned
50100378	PHO FAN'S/PKSAR'S...	Queens	13345	ROOSEVELT AVE	11354	3477329600	Chinese	09/24/2022	Violations were cited in the following area(s).	06C	Food, supplies, equipment not properly stored
50100378	PHO FAN'S/PKSAR'S...	Queens	13345	ROOSEVELT AVE	11354	3477329600	Chinese	09/24/2022	Violations were cited in the following area(s).	06F	Wiping cloths not stored properly
50100378	PHO FAN'S/PKSAR'S...	Queens	13345	ROOSEVELT AVE	11354	3477329600	Chinese	09/24/2022	Violations were cited in the following area(s).	05E	Toilet facility not properly cleaned
50053112	MODERN LOVE	Brooklyn	317	UNION AVENUE	11211	9292980626	Vegan	09/24/2022	No violations were recorded at the time of this inspection.	28-03	Lighting fixture not properly maintained
50075519	D HACK'S HALAL	Queens	10725	LIBERTY AVE	11417	7186842162	Caribbean	09/24/2022	Establishment Closed by DOHMH. Violations were cited in the following area(s) and/or item(s):	08A	Establishment not properly cleaned
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	02G	Cold TCS food not properly stored
41545645	MOMO HIBACHI ST...	Brooklyn	1901	EMMONS AVENUE	11235	7187698010	Japanese	09/24/2022	Violations were cited in the following area(s).	02B	Hot TCS food not properly stored
50085672	CHLOE'S	Brooklyn	9413	AVENUE L	11236	3477709051	Caribbean	09/24/2022	Violations were cited in the following area(s).	08C	Pesticide not properly stored
50075519	D HACK'S HALAL	Queens	10725	LIBERTY AVE	11417	7186842162	Caribbean	09/24/2022	Establishment Closed by DOHMH. Violations were cited in the following area(s) and/or item(s):	09B	Thawing process not properly controlled
50100933	GEO SI GI	Queens	15228	NORTHERN BLVD	11354	7188880001	Korean	09/24/2022	Violations were cited in the following area(s).	02B	Hot TCS food not properly stored
50100378	PHO FAN'S/PKSAR'S...	Queens	13345	ROOSEVELT AVE	11354	3477329600	Chinese	09/24/2022	Violations were cited in the following area(s).	04H	Raw, cooked or mixed meat not properly stored
50001224	ZONA ROSA	Brooklyn	571	LORIMER STREET	11211	9173247423	Mexican	09/24/2022	Violations were cited in the following area(s).	04N	Fifth flies or other pests not properly controlled

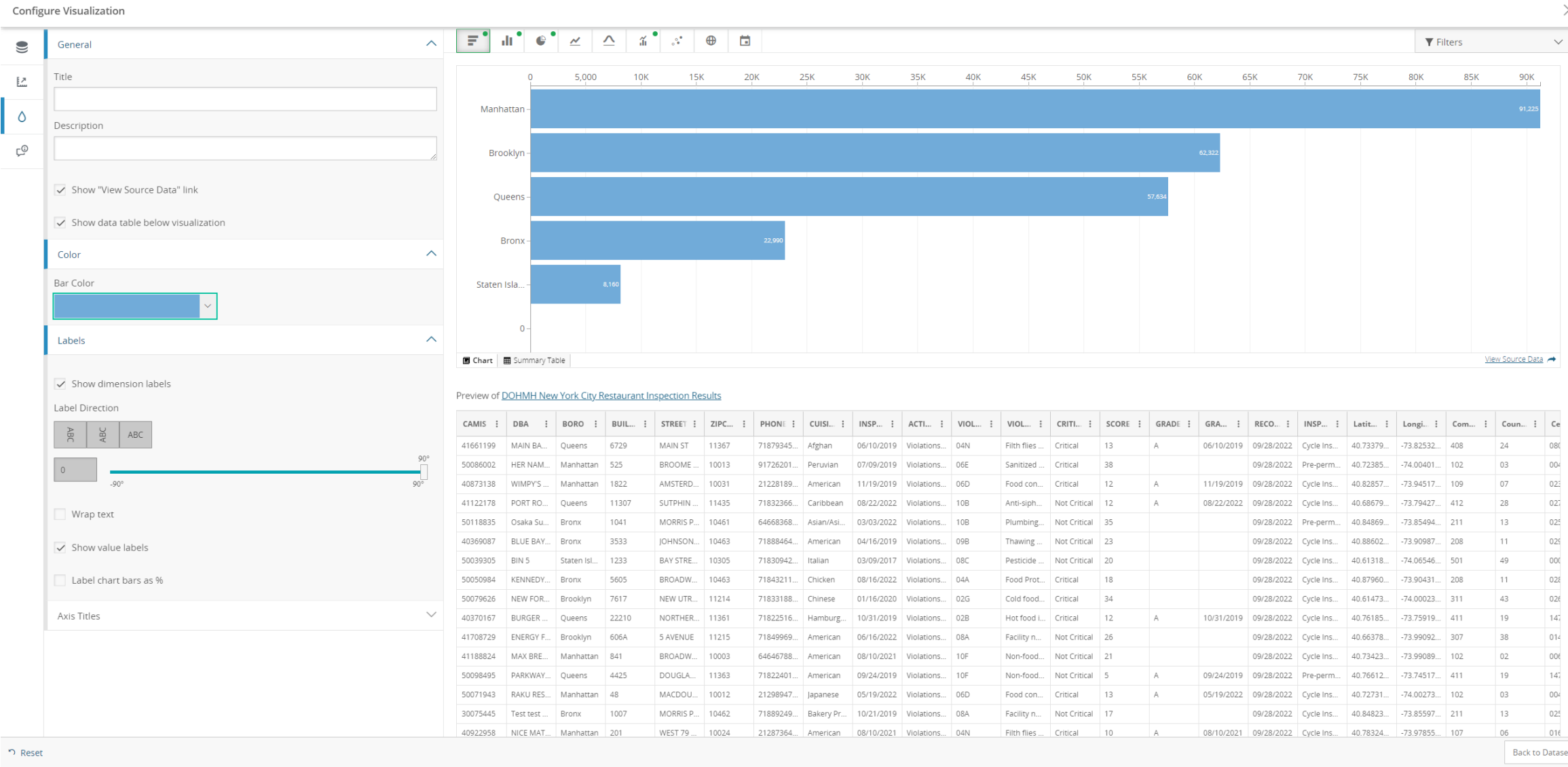
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Showing Restaurant Citations 1 to 100 out of 242,408

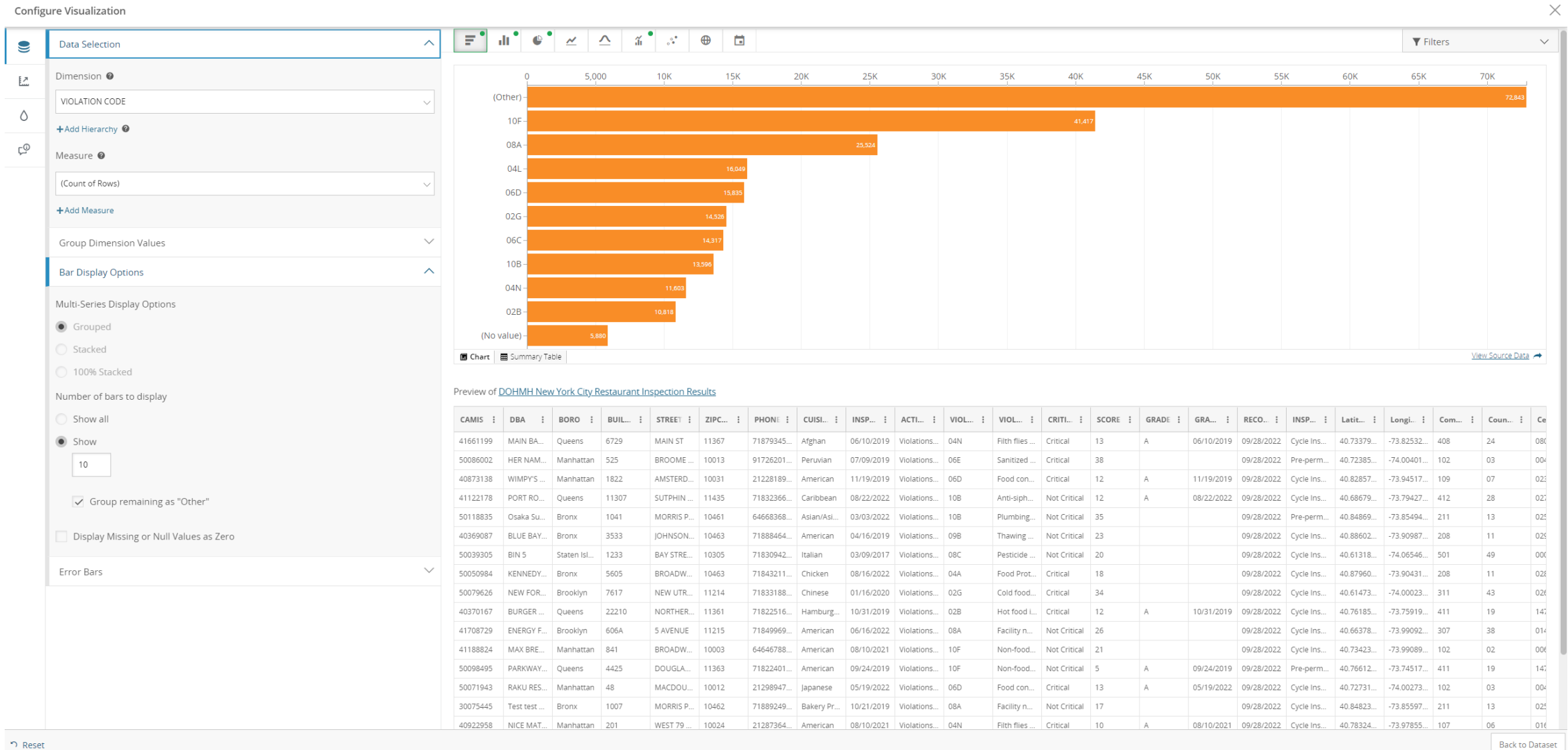
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New York City Restaurant Inspection Results



New York City Restaurant Inspection Results



New York City Restaurant Inspection Results

Deliverables

Food Establishment Inspections

Deliverables

- Part 1: Week 1
 - Get data
 - Load data into Stage table(s) (stg_)
 - Perform data profiling
- Part 2: Week 1
 - Design Dimensional Model
 - Create DDL SQL script
- Part 3: Week 2
 - Load dimensional model into Integration tables (int_) from Stage table(s)
- Part 4: Week 3
 - Create BI dashboards

Food Establishment Inspections

- Deliverables: Part 1:
 - Get data from downloaded files from Open Data
 - Load data into Stage table(s) (stg_)
 - Select one for target dbms: Azure SQL, Azure MySQL, MySQL, SQL Server
 - Follow Staging Guidelines
 - Perform data profiling
- Submit:
 - Screenshot of Alteryx workflow completed
 - List time your job took to complete
 - DDL script for Stage table(s)
- Stage Table:
 - Add DI_CreateDate – date & time row loaded
 - Add DI_WorkflowFileName – the file name of your Alteryx workflow
 - If any dates are stored as text, add a column where that text is converted to date

Food Establishment Inspections

- Deliverables: Part 2
 - Identify Dimensions & Facts
 - Create a Dimensional Data Model (ER/Studio or Navicat)
 - Create DDL for any database being used in this class
 - Create schema in chosen database
 - Select one: Azure SQL, Azure MySQL, MySQL, SQL Server
- Submit:
 - Screenshots of each of the above
 - ER/Studio dm1 file, DDL script

Food Establishment Inspections

- Deliverables: Part 3
 - Create data preparation workflow(s) to load data into Integration Schema i.e., dimensional model using Alteryx
 - Load data
- Submit:
 - Screenshots of each of the above
 - Alteryx file(s)
 - Table row counts
- Stage Table:
 - Add DI_CreateDate – date & time row loaded
 - Add DI_WorkflowFileName – the file name of your Alteryx workflow
 - All tables must have a surrogate key (SK)
 - Dates or Datetimes must be in date or datetime data type(s) not text
 - note: you can also have a date or datetime column in text if that is how came from source and there are errors in ates in source
 - Dates also must have a column representing a date SK i.e. YYYYMMDD

Food Establishment Inspections

Deliverables - Part 4:

- Create BI dashboards in both
 - Power BI Desktop published in PBI Service
 - Tableau Desktop published in Tableau Online

New York City Restaurant Inspection Results

Business questions to answer

New York City Restaurant Inspection Results

- Examine food inspection results by:
 - Inspection type
 - Inspection result, Score, Grade
 - Actions
 - Facility type
 - Violations (Codes, descriptions)
 - Business inspected
 - DBA (Doing Business As), AKA (Also Know As), License
 - Location: Borough, Address, other
 - Trends over time

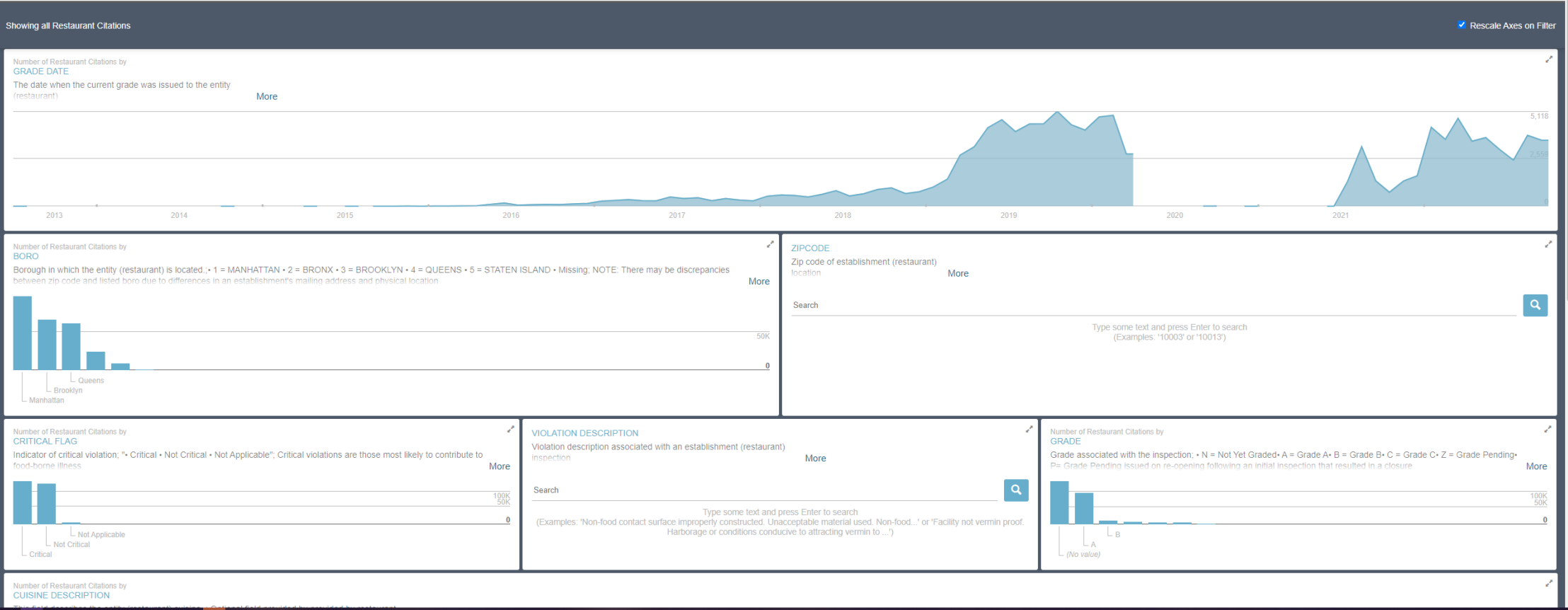
New York City Restaurant Inspection Results

DOHMH New York City Restaurant Inspection Results

This dataset provides restaurant inspections, violations, grades and adjudication information

SOURCE DATASET DOHMH New York City Restaurant...

Export API



New York City Restaurant Inspection Results

Data Visualizations examples:

- Restaurants Grades – Map (Longitude, Latitude, Grade, Zip Code to create a map; Street and Grade for filtering the results);
- Distribution of Cuisine Type – Heatmap (Cuisine Description, Number of Records);
- The Distribution of Critical Flags by Neighborhood – Bar Chart (Boro, Number of records, Critical flag);
- Number of Inspections by Neighborhood from 2015 to 2020 – Line Chart (Year, Boro, Number of Records);
- Grades Distribution by Neighborhood – Horizontal Bar Chart (Grade, Boro, Number of Records)

New York City Restaurant Inspection Results

Data Preparation:

Load Stage & Perform Data Profiling

Data Profiling

Inspection Results Data to Staging Schema: Workflow

Inspection Results Data to Staging Schema: Results

- Time to load
- Row Count(s)

New York City Restaurant Inspection Results

Creating a dimensional data model

Food Inspections: Determine Dimensions & Facts

Food Inspections: Data Model

New York City Restaurant Inspection Results

Data Preparation: Load Integration Schema (Dimensional Model)

Load Dimensions

Load Facts

Integration Schema (Dimensional Model)

Tables & Row Counts

New York City Restaurant Inspection Results

BI data visualizations

Food Inspections w/ Power BI

Food Inspections w/ Tableau

New York City Restaurant Inspection Results

Appendix