

NYC Open Data and Python

Presenter: Brian Murphy

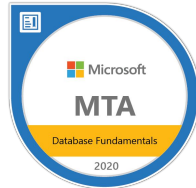
Overview

- NYC Government
- Open Data
- Datasets
- Python Code

Who am I?

- Brian Murphy, Staff Analyst, NYC Gov
- 5 years of service
- Information Technology Officer for ACES
- Back-end Developer, tech enthusiast
- NYU MS in Cybersecurity Cyber Fellow
- LinkedIn:

<https://www.linkedin.com/in/brianmurphy94/>

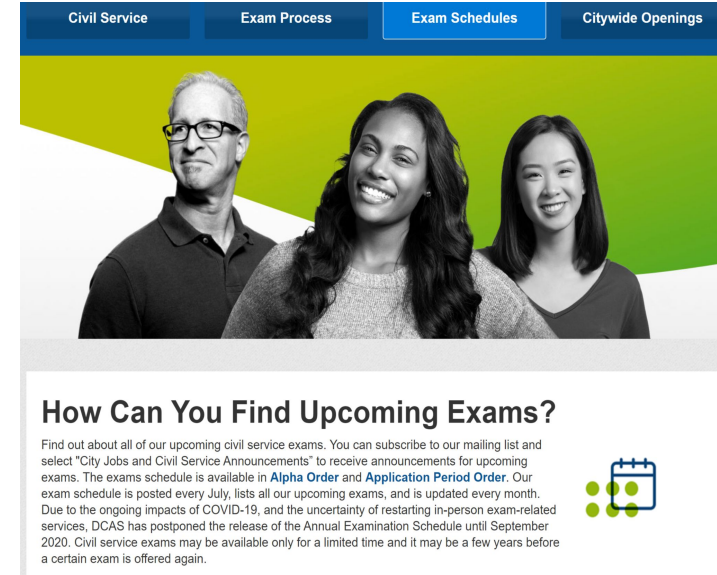


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NYC Government

- One of largest municipal workforces
- Many titles, covered by many unions
 - Custodians, Police Officers, analysts, and more!
- How many unions are there?
- How many titles are there?
- How many titles are in each union?



Civil Service Exam Process Exam Schedules Citywide Openings

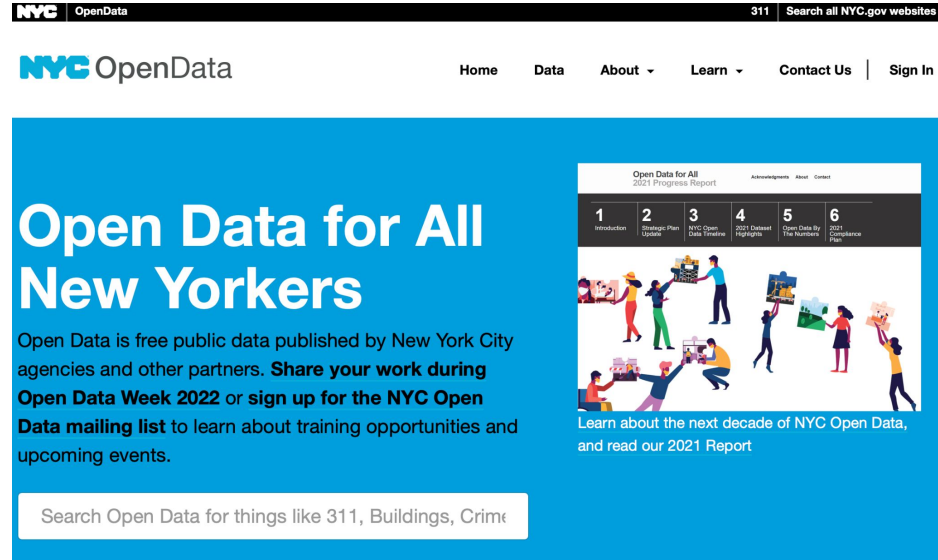
How Can You Find Upcoming Exams?

Find out about all of our upcoming civil service exams. You can subscribe to our mailing list and select "City Jobs and Civil Service Announcements" to receive announcements for upcoming exams. The exams schedule is available in [Alpha Order](#) and [Application Period Order](#). Our exam schedule is posted every July, lists all our upcoming exams, and is updated every month. Due to the ongoing impacts of COVID-19, and the uncertainty of restarting in-person exam-related services, DCAS has postponed the release of the Annual Examination Schedule until September 2020. Civil service exams may be available only for a limited time and it may be a few years before a certain exam is offered again.

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Open Data

- Free portal to NYC Government data
- Socrata API, website visualization tools, downloads
- Updated frequently
- <https://opendata.cityofnewyork.us>

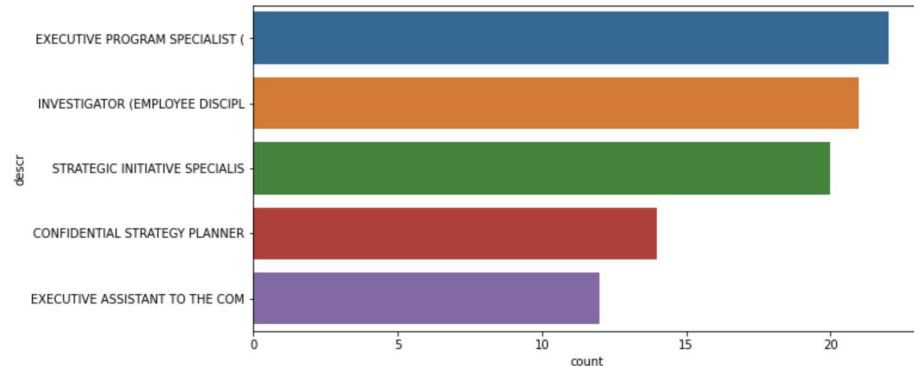


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Results

- 44 Unions
- 2105 titles with unique descriptions
- Python Code here:
<https://colab.research.google.com/drive/1gRKyv8CazVI19YHIJ1gF4IKLr83wjxUx?usp=sharing>

```
EXECUTIVE PROGRAM SPECIALIST ( 22  
INVESTIGATOR (EMPLOYEE DISCIPL 21  
STRATEGIC INITIATIVE SPECIALIS 20  
CONFIDENTIAL STRATEGY PLANNER 14  
EXECUTIVE ASSISTANT TO THE COM 12  
Name: descr, dtype: int64
```



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Wrap Up

- Brian Murphy, Staff Analyst
- My LinkedIn: <https://www.linkedin.com/in/brianmurphy94/>
- My GitHub: <https://github.com/bmurdata>
- Current YouTube Link:
- <https://www.youtube.com/watch?v=8SD5GtQ-POE>

Thank you for watching! Questions?

Email or comment

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