NYC Fire Incident Dispatch

Graphical user interface, chart

Description automatically generated

This project will load and then analyze a dataset containing millions of NYC Fire Incident Dispatch Data since January 2001. By completing this project, demonstrating mastery of principles of containerization, terminal navigation, python scripting, artifact deployment and AWS EC2 provisioning will be include.

### Part 1 - Structure & Naming

$ tree

Text, letter

Description automatically generated

### Packages

### Specified in requirements.txt

* sodapy==2.1.0
* requests==2.26.0
* pandas
* numpy
* datetime
* json
* argparse
* sys
* os
* sodapy

**Python Scripts**

* main.py

Text

Description automatically generated with low confidence

* Used Bulk API and action is defined properly

Chart, scatter chart

Description automatically generated

### Docker

* Dockerfile

Text

Description automatically generated

* docker build



Text

Description automatically generated

* docker run

Graphical user interface

Description automatically generated with medium confidence

A screenshot of a computer screen

Description automatically generated with medium confidence

#### Arguments:

--page\_size

* Required
* How many records to request from the API per call.

--num\_pages:

* Option
* If num\_pages is not provided, the script continues requesting data until the entirety of the content has been exhausted

Text, letter

Description automatically generated

* If num\_pages is provided, the script continues querying for data num\_pages times (3pts) (except for the rows with the null values of starfire\_incident\_id and incident\_datetime)

Text

Description automatically generated