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# **backend**

***Release 1.0***

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**CONTENTS:**

<b>1</b>	<b>src</b>	<b>1</b>
1.1	Handler module . . . . .	1
<b>2</b>	<b>Indices and tables</b>	<b>3</b>
	<b>Python Module Index</b>	<b>5</b>
	<b>Index</b>	<b>7</b>



## 1.1 Handler module

### 1.1.1 The backend for Project Covid Away.

Built with Python Flask and communicate with App via RESTful API.

*How To Use This:*

- Based on Python3
- **Dependencies::** flask, flask-cors, pandas
- **Run command at the back::** Python3 Handler.py

**class** Handler.Manager

Bases: object

Store, update, and parse the cases data given the location

**data** = None

**filename** = 'data.csv'

**get\_data**(loc)

**Parameters** loc – the target US county name

**Returns** up-to-date cases and deaths data of the given loc in json format

**static** get\_instance()

**Returns** instance for the singleton class Manager

**last\_update\_time** = None

**update\_dataset\_if\_needed**()

**Returns:** Update the whole case data file if it is not latest

**url** = 'https://raw.githubusercontent.com/nytimes/covid-19-data/master/live/us-counties'

Handler.refresh()

listen to endpoint '/feed/refresh', :returns: Up-to-date case data



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`





## PYTHON MODULE INDEX

### h

Handler, [1](#)



## INDEX

### D

`data` (*Handler.Manager attribute*), 1

### F

`filename` (*Handler.Manager attribute*), 1

### G

`get_data()` (*Handler.Manager method*), 1

`get_instance()` (*Handler.Manager static method*), 1

### H

`Handler`  
    module, 1

### L

`last_update_time` (*Handler.Manager attribute*), 1

### M

`Manager` (*class in Handler*), 1

module  
    Handler, 1

### R

`refresh()` (*in module Handler*), 1

### U

`update_dataset_if_needed()` (*Handler.Manager method*), 1

`url` (*Handler.Manager attribute*), 1