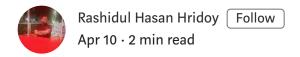
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# COVID19Py 0.3.0



Get Covid19 (Corona Virus) update by using Python package COVID19Py 0.3.0



Photo by cottonbro from Pexels

COVID19Py 0.3.0 is a tiny Python package for easy access to up-to-date Corona virus (COVID-19, SARS-CoV-2) cases data.

#### Installation

In order install this package, simply run: pip install COVID19Py

```
In [1]: pip install COVID19Py
```

Requirement already satisfied: COVID19Py in /home/hrido y/anaconda3/envs/TensorFlow/lib/python3.7/site-packages (0.3.0)

Note: you may need to restart the kernel to use updated packages.

## Import COVID19Py Package

To use COVID19Py, you first need to import the package, simply run import COVID19Py

```
In [2]: import COVID19Py
```

#### **Create A New Instance**

After importing package, you need to create a new instance, simply run *covid19* = *COVID19Py.COVID19()* 

```
In [3]: covid19 = COVID19Py.COVID19()
```

If you face No module named 'requests', simply run pip install requests

## **Getting Location By Country Code**

To get simply run,

location = covid19.getLocationByCountryCode("BD")

location data = location[0]

#### BD is the country code of Bangladesh

```
In [4]: location = covid19.getLocationByCountryCode("BD")
location_data = location[0]
```

#### **Getting Latest Information**

To get latest update of confirmed cases, deaths and recovered, simply run

```
data = dict(location_data['latest'])
print(data)
```

```
In [6]: data = dict(location_data['latest'])
    print(data)

{'confirmed': 218, 'deaths': 20, 'recovered': 0}
```

#### Let's try it for USA

```
In [8]: location = covid19.getLocationByCountryCode("US")
location_data = location[0]

In [9]: data = dict(location_data['latest'])
    print(data)

{'confirmed': 429052, 'deaths': 14695, 'recovered': 0}
```

## **Getting All Data At Once:**

You can also get all the available data with one command. Simply run, *data* = *covid19.getAll()* 

```
In [12]: data = covid19.getAll()
    print(data)

{'latest': {'confirmed': 1511104, 'deaths': 88338, 'recovered': 0},
    'locations': [{'id': 0, 'country': 'Afghanistan', 'country_code': 'A
    F', 'country_population': 29121286, 'province': '', 'last_updated':
    '2020-04-09T19:13:53.132904Z', 'coordinates': {'latitude': '33', 'lon
        gitude': '65'}, 'latest': {'confirmed': 444, 'deaths': 14, 'recovere
        d': 0}}, {'id': 1, 'country': 'Albania', 'country_code': 'AL', 'count
        ry_population': 2986952, 'province': '', 'last_updated': '2020-04-09T
        19:13:53.144735Z', 'coordinates': {'latitude': '41.1533', 'longitud
        e': '20.1683'}, 'latest': {'confirmed': 400, 'deaths': 22, 'recovere
        d': 0}}, {'id': 2, 'country': 'Algeria', 'country_code': 'DZ', 'count
        ry_population': 34586184, 'province': '', 'last_updated': '2020-04-09
        T19:13:53.152547Z', 'coordinates': {'latitude': '28.0339', 'longitud
        e': '1.6596'}, 'latest': {'confirmed': 1572, 'deaths': 205, 'recovere
        d': 0}}, {'id': 3, 'country': 'Andorra', 'country_code': 'AD', 'count
```

If you want to see with timelines, simply run *data* = *covid19.getAll(timelines=True)* 

```
In [14]: data = covid19.getAll(timelines=True)
    print(data)|

{'latest': {'confirmed': 1511104, 'deaths': 88338, 'recovered': 0},
    'locations': [{'id': 0, 'country': 'Afghanistan', 'country_code': 'A
    F', 'country_population': 29121286, 'province': '', 'last_updated':
    '2020-04-09T19:13:53.132904Z', 'coordinates': {'latitude': '33', 'lon
        gitude': '65'}, 'latest': {'confirmed': 444, 'deaths': 14, 'recovere
        d': 0}, 'timelines': {'confirmed': {'latest': 444, 'timeline': {'2020
        -01-22T00:00:00Z': 0, '2020-01-23T00:00:00Z': 0, '2020-01-24T00:00:00
        Z': 0, '2020-01-25T00:00:00Z': 0, '2020-01-26T00:00:00Z': 0, '2020-01
        -27T00:00:00Z': 0, '2020-01-28T00:00:00Z': 0, '2020-01-29T00:00:00Z':
        0, '2020-01-30T00:00:00Z': 0, '2020-01-31T00:00:00Z': 0, '2020-02-01T
        00:00:00Z': 0, '2020-02-02T00:00:00Z': 0, '2020-02-03T00:00:00Z': 0,
        '2020-02-04T00:00:00Z': 0, '2020-02-05T00:00:00Z': 0, '2020-02-06T00:
        00:00Z': 0, '2020-02-07T00:00:00Z': 0, '2020-02-08T00:00:00Z': 0, '2020-02-01T00:00:00Z': 0, '2020-02-11T00:00:00Z': 0, '2020-02-11T00:00:00Z
```

**GitHub link:** https://github.com/rashidulhasanhridoy/Medium-Story/blob/master/COVID19Py%200.3.0.ipynb

**API Link:** https://github.com/ExpDev07/coronavirus-trackerapi/blob/master/README.md#picking-data-source

Thanks for reading.

## Stay Home! Stay Safe!

Rashidulhasanhridoy

Covid19py

Covid 19

Coronavirus

Python

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Follow the Medium Coronavirus Blog or sign up for the newsletter to read expert-backed coronavirus stories from Medium and across the web, such as:

- A surge in air pollution may be causing more coronavirus complications.
- How to navigate testing delays.
- How nasal breathing keeps you healthier.

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