



Pandas Read JSON

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Read JSON

Big data sets are often stored, or extracted as JSON.

JSON is plain text, but has the format of an object, and is well known in the world of programming, including Pandas.

In our examples we will be using a JSON file called 'data.json'.

[Open data.json.](#)

Example

[Get your own Python Server](#)

Load the JSON file into a DataFrame:

```
import pandas as pd

df = pd.read_json('data.json')

print(df.to_string())
```

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Dictionary as JSON

JSON = Python Dictionary

JSON objects have the same format as Python dictionaries.

If your JSON code is not in a file, but in a Python Dictionary, you can load it into a DataFrame directly:

Example

Load a Python Dictionary into a DataFrame:

```
import pandas as pd
```

```
data = {  
    "Duration":{  
        "0":60,  
        "1":60,  
        "2":60,  
        "3":45,  
        "4":45,  
        "5":60  
    },  
    "Pulse":{  
        "0":110,  
        "1":117,  
        "2":103,  
        "3":109,  
        "4":117,  
        "5":102  
    },  
    "Maxpulse":{  
        "0":130,  

```



```
        "5":127
    },
    "Calories":{
        "0":409,
        "1":479,
        "2":340,
        "3":282,
        "4":406,
        "5":300
    }
}

df = pd.DataFrame(data)

print(df)
```

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Exercise [?]

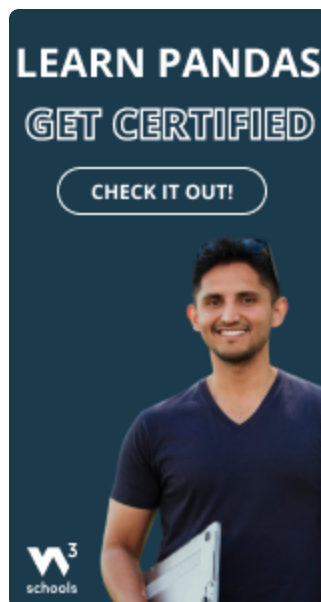
What is a correct syntax for loading a .json file into a DataFrame?

- ☐ df = pd.json('data.json')
- ☐ df = pd.read_json('data.json')
- ☐ df = pd.load('data.json')

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