PHILOSOPHY AND HISTORY OF SCIENCE WITH COMPUTATIONAL MEANS

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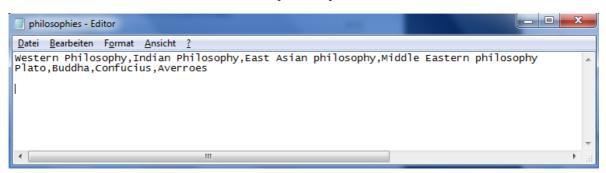
Reading file formats

First of all, import NumPy and Pandas as it is the convention:

```
import numpy as np
import pandas as pd
from pandas import Series, DataFrame
```

CSV-File

You have to get or make a CSV-File. Open up any text editor, put your values all separated by commas. Save it as a CSV-File in the directory where your notebooks are saved.



Use the function and run the cell:

```
name_DataFrame = pd.read_csv('nameOfYourFile.csv')
name_DataFrame

In [3]: philosophers = pd.read_csv('philosophies.csv')

In [4]: philosophers

Out[4]:

Western Philosophy Indian Philosophy East Asian philosophy Middle Eastern philosophy

0 Plato Buddha Laozi Mani
1 Nietzsche Nagarjuna Confucius Avicenna
2 Wittgenstein Krishnamurti Zhuangzi Averroes
```

JSON

• Here is an example:

• Do not forget to import json module:

```
import json
```

• With the following you can load json data:

Logic Logicians William of Ockham Scholasticism

```
choose_name = json.loads(name_of_your_json_obj)
```

• With the following you can open JSON data after loading with a DataFrame:

```
Choos_another_name = DataFrame(choose_name)

In [9]: dframe = DataFrame(data)

In [10]: dframe

Out[10]:

Branch Philosophers Example School

0 Metaphysics Metaphysicians David Lewis Analytic

1 Aesthetics Aestheticians Immanuel Kant Continental

2 Ethics Ethicists Aristotle Peripatetic
```

To show the DataFrame, write again your chosen name of the variable and run the cell.