

CM2015: Programming with Data

Summary

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12th October 2020

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1 Setting up your programming environment

Install Jupyter Lab using the following command.

```
pip3 install jupyterlab
```

Run Jupyter Lab using the following command.

```
jupyter lab
```

2 Variables, control flow and functions

3 Data structures

4 Reading and writing data on the filesystem

5 Retrieving data from the web

6 Retrieving data from databases using query languages

7 Cleaning and restructuring data

8 Data plotting

9 Version control systems