

Jupyter Lab Project Walkthrough

Fundamentals of Data Science

Jeremy Teitelbaum

Jupyter Lab Project Walkthrough

1. Use the ‘text editor’ feature in Jupyter Lab to create your README.md file.
2. **RENAME YOUR NOTEBOOK FILE IMMEDIATELY** to something relevant
3. CTRL-ENTER executes a cell.
4. See [notebook](#)

Markdown cells

In a markdown cell:

- Headings are #, ##, etc.
- Bold is marked ****make me bold**** like **this**.
- Italics are marked **make me italic** like *this*.
- Math can be typeset with \LaTeX if you know it:

$$f(x) = e^{-x} \cos(x)$$

- Bulleted lists are marked with -.
- Links are entered as [name of link](url to link)

Code Cells

```
# code cells
## Code cells contain python code that gets executed.
# indicates a comment that is ignored.
print("Hello World!")
```

Hello World!

Ingredients

1. The print statement
2. Basic datatypes:
 - numbers (integers and floats)
 - strings
 - lists
 - True, False, and None
3. Variables, variable names, and assignment
 - **caution:** order of cell execution is what matters
4. Formatted print with variables

Ingredients continued

5. Arithmetic operations
6. Logical operations
7. Operations on strings and lists
8. Slicing
9. Libraries