Jupyter Lab Project Walkthrough

Fundamentals of Data Science

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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 this sample code

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 -.

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