

# Jupyter Lab Project Walkthrough

## Fundamentals of Data Science

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## 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.

### Markdown cells

This is 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  $\text{\LaTeX}$  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. Variables, variable names, and assignment
  - caution: order of cell execution is what matters
3. Basic datatypes:
  - numbers (integers and floats)
  - strings
  - lists
4. Arithmetic operations
5. Operations on strings and lists
6. Slicing
7. Libraries