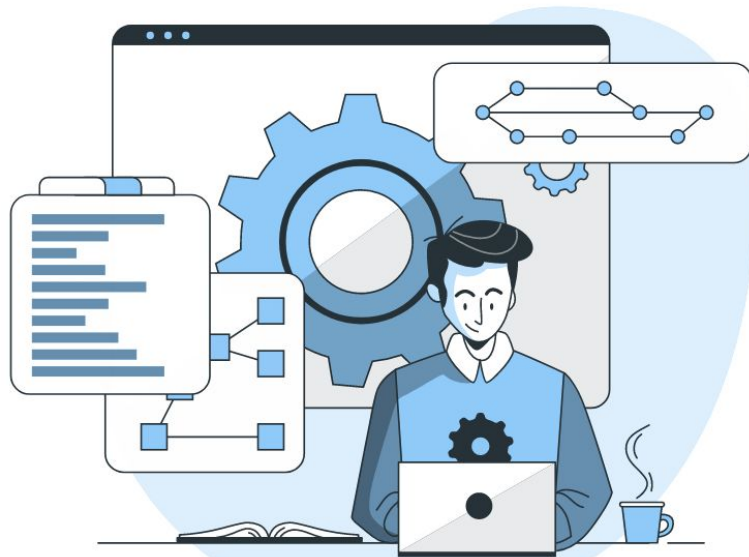# RISE, LaTeX:

Helpful tools to make your coding life easier!
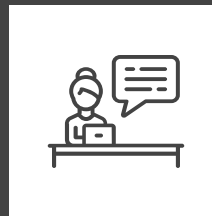
SO WHAT IS LaTeX AND RISE?

RISE

" With RISE, a Jupyter notebook extension, you can instantly turn your jupyter notebook into a live reveal.js-based presentation."

rise documentation

LaTeX

" LaTeX is a high-quality typesetting system; it includes features designed for the product of technical and scientific documentation."

latex-project.org
latex github

RISE Installation:

<u>Install</u>:

    `conda install -c conda-forge rise`

OR   `pip install RISE`

<u>Disable</u>:

    `jupyter-nbextension disable rise --py --sys-prefix`

<u>Remove</u>:

    `jupyter-nbextension uninstall rise --py --sys-prefix`

OR   `conda remove rise`

RISE DEMO

Tips and Tricks:

<u>Slide Types</u>:
- **slide -** beginning of a new slide
- **subslide -** new slide but below
- **fragment -** breaking one slide into parts
- **skip -** not shown in main presentation
- **notes -** only appears in speaker view

<u>Keyboard Shortcuts</u>:
- **Alt/Option + r -** enter slideshow
- **Spacebar -** progress forward
- **Shift + Spacebar** - go backwards

LaTeX MAKES MATH EQUATIONS PRETTY

This is not LaTeX

y = e^(4/pi) + 2x

This is LaTeX

$$y = e^{4/\pi} + 2x$$

How to use LaTeX:

Place your math inside $ $

- **Centered**: $$ $$
- **Space**: \,
- **New Line**: \\
- **Fraction**: \frac{arg 1}{arg 2}
- **Exponent** (superscript): ^{}
- **Index** (subscript): _{}
- **Roots**: \sqrt[n]{arg}

Greek Letters:

- lowercase: \lettername
- capital: \Lettername

Other Maths:

- \sin, \cos, \tan
- \arcsin, \arccos, \arctan
- \min, \max
- \lim
- \log, \ln

Even More Things:

- R arrow: \rightarrow, \to
- not R arrow: \nrightarrow
- angle: \angle
- curly braces:
  - \left\{
  - \right\}

THANKS!