WHAT IS QUARTO

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DEFINE

QUARTO

- Open-source publishing system

- Leveraged by multiple coding languages (Python, R, Julia, ObservableJS)

- Supported by multiple IDEs (VS Code, Jupyter, RStudio, Neovim)

- Can publish to multiple hosting targets (QuartoPub | GitHub Pages | Posit Connect | Netlify | Others)

NOTABLE

Everything I'm going to show you was coded with open-source tools and published via Quarto

TIDYVERSE

I'm going to use RStudio and freely publish to Quarto.pub

- Quarto further develops the workflow of **reproducible** computation by extending *markdown* and literate coding **workflows**

> In much the same way that **Tidyverse** brings consistency and good documentation to base-R, and **Tidymodels** brings consistency and good documentation to modeling and ML, **Quarto** brings consistency and good documentation to reproducibility (i.e. [literate] coding.)

REPRODUCIBILITY PAYOFF

Reproducible workflows for *computation thinking*

data → analysis → publishing

- Do everything with code

- Derive reports from code

Quarto reports can be PDF, MSWord, Slides (PPTx, revealjs, etc.), Websites, Dashboards, eBooks, Blogs, Interactivity apps (ObservableJS; Shiny; more)

CITATIONS, TABLES, FIGURES, AND SCIENTIFIC NOTATION

- Quarto will generate citations and a bibliography in multiple styles

    - Can integrate with DOI/Zotero/.bib/.bibtex/Endnote …

- Quarto generates numbering for tables and figures

- Excellent support for LaTeX equations and citations

REVIEW

Quarto helps you derive reports from code and facilitates publishing to your favorite host

NOTE:

Unlike many other tools, Quarto is open, does not lock-in to a proprietary host. You render Quarto reports that can be hosted anywhere, anytime. Quarto is about scholarly [scientific] communication.

RESOURCES

- Mine - YouTube

- Mock - YouTube

- Quarto Docs
  - get started
  - guides
  - reference
  - gallery

SHOW

Next: Code as you like

GETTING STARTED

File > New file > Quarto Presentation

RESOURCES

- Quarto Guides
  - **User guide** (columns, fig captions,
  - Quarto Presentation Basics
  - Revealjs (HTML)
- Quarto reference documentation
  - Revealjs
- Columns
- Fig captions

GET STARTED WITH QUARTO PRESENTATION SLIDES

Mine Çetinkaya-Rundel