Data Science in R with Visual Studio Code

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Data Science and Causal Inference Workshop 2025

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Learning objectives

- Understand the basic ingredients of modern data science tools
- Get some R code running in Visual Studio Code, focusing on data analysis
- Start up a coding environment in Visual Studio Code or on GitHub using GitHub Codespaces. Understand its basic features
- Interrogate files with the help of the generative AI tool GitHub Copilot and learn best practices for AI assistance

Modern data science tools















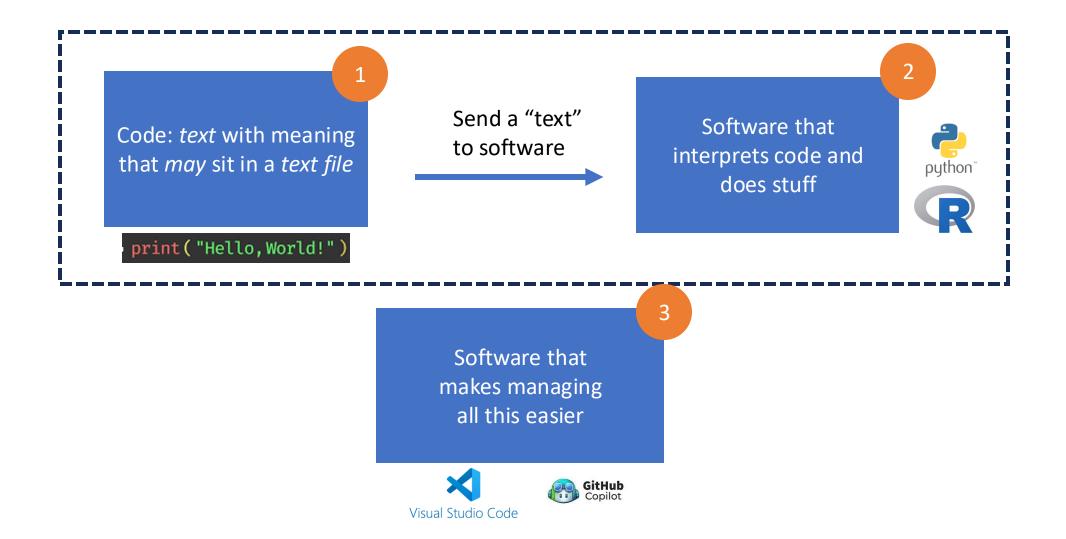


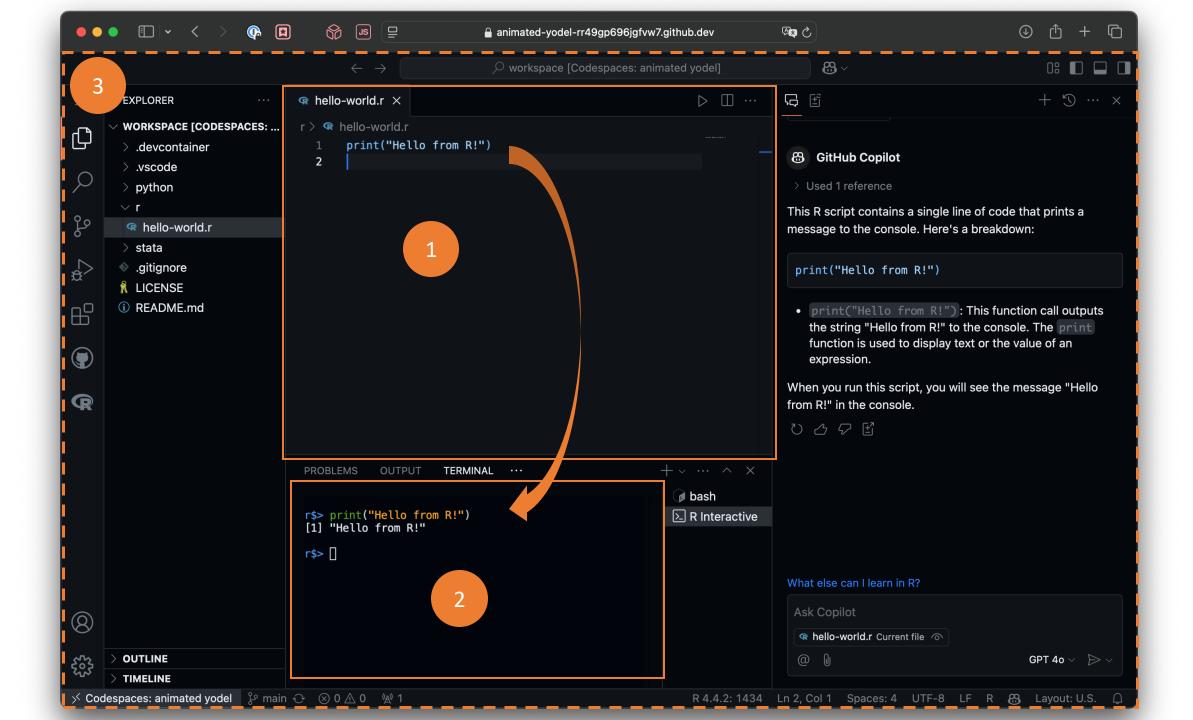






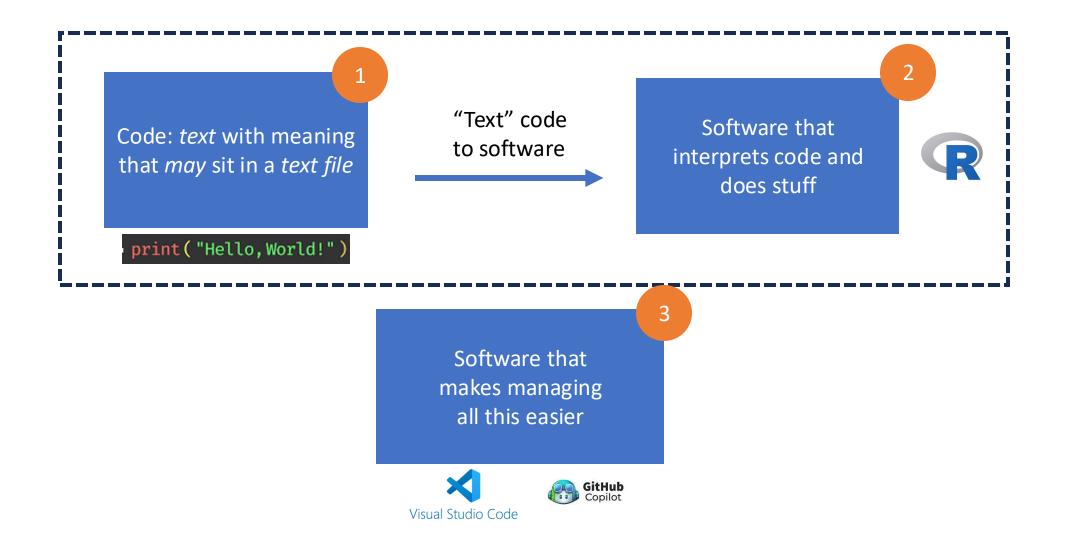
Principle 1: Coding is fancy text messaging





https://github.com/christian-engels/course-materials

Principle 2: Copilot = "always-on" collaborator



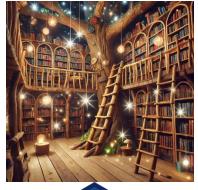
Principle 3: "Base R" is stupid























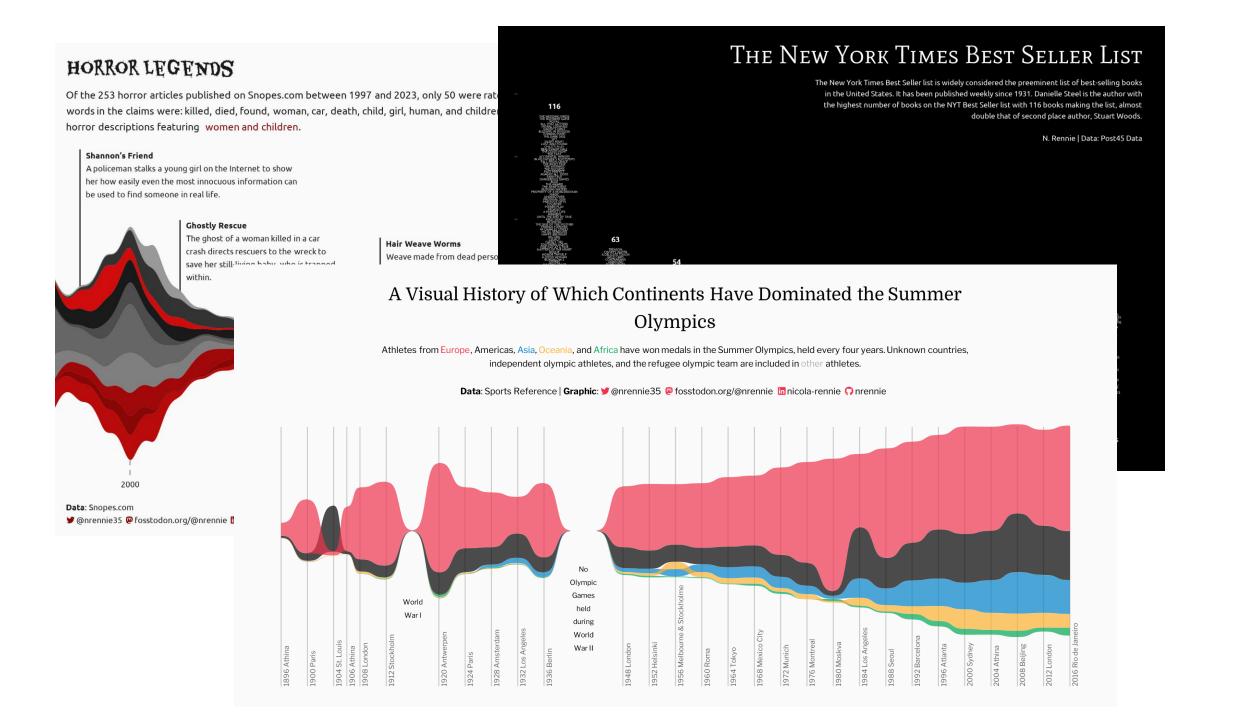














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