Tidy Evaluation: Live Demo

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Takeaways

- Quoting works against you when you write functions
  - Easy to work with your data
  - But hard to program with variables

- Tidy eval provides full programmability
  - Set of tools included in dplyr, tidyr, and soon ggplot2, …
  - Challenging at first but rewarding!
  - Two important concepts: **quasiquotation** (unquoting) and **quosures**

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- ## !! operator
  - Refer to variables inside quoted expressions
  - Create complex expressions by expanding around !!
  - Bypass the data mask

- ## !!! Operator
  - Unquote any number of elements in a list

- enquo()
  - Transform your function into a quoting function
  - Captures user input in a quosure

- Quosures
  - Annoying but necessary for robustness
  - They just work — don't mind them