

2017-02-20-shiny

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Today's topics

- Interactive data visualizations with Shiny

What is Shiny?

- A framework for creating interactive, web-based data visualizations using R

Examples

Gilmore's super simple example

- Plot scatterplot of x , and y .
- $y = mx + N(0, \sigma)$, where m is the slope and σ is the standard deviation of the measurement error or noise.
- Vary number of points n , slope m , and error σ .
- Plot best fitting line, calculate and plot R or `cor(x,y)`

Parts of a Shiny app

- User Interface (UI)
- Server

Sharing your Shiny app

Why do this?

- Fun
- Informative (remember last time?)