

1106-A0-140

Hadley Wickham*, RStudio and Rice University. *Reactive documents for teaching.*

When writing a static document, you have to anticipate the needs of the reader—it's a one-way communication. With reactive documents, a document becomes more collaborative; it's created by both the author and the reader. With a reactive document, you can allow the reader to modify parameters, change assumptions and generally explore a space of parameters. Currently, the R community is in the middle of an exciting convergence of tools for developing websites (shiny), making reproducible documents (knitr, rmarkdown) and visualisation (ggvis) that make it very easy to create reactive documents. In this talk, I'll show you how easy it is to use R to create compelling reactive documents for teaching. (Received July 28, 2014)