ggvis: Interactive graphics in R

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The ggvis package makes it easy to create interactive data graphics with R, with a declarative syntax similar to that of ggplot2. Like ggplot2, ggvis uses concepts from the grammar of graphics, but it also adds the ability to create interactive graphics and deliver them over the web.

In this talk I will provide an overview of what ggvis can do, and how to use it for exploring data. One of the central goals of ggvis is to not only make it possible to create interactive graphics, but to make it simple for R users who are not experts in programming or data visualization.

With ggvis, data manipulation and transformation is performed in R, while the presentation and interaction occur in a web browser. The communication between the two sides is handled by Shiny, which also provides the basis for the reactive programming model of interaction in ggvis.

References