

ggvis: Interactive graphics in R

Winston Chang^{1,*}

1. RStudio, Inc.

*Contact author: winston@rstudio.com

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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

RStudio, Inc. (2014). ggvis web page, <http://ggvis.rstudio.com/>