

RStudio: Integrated Development Environment for R

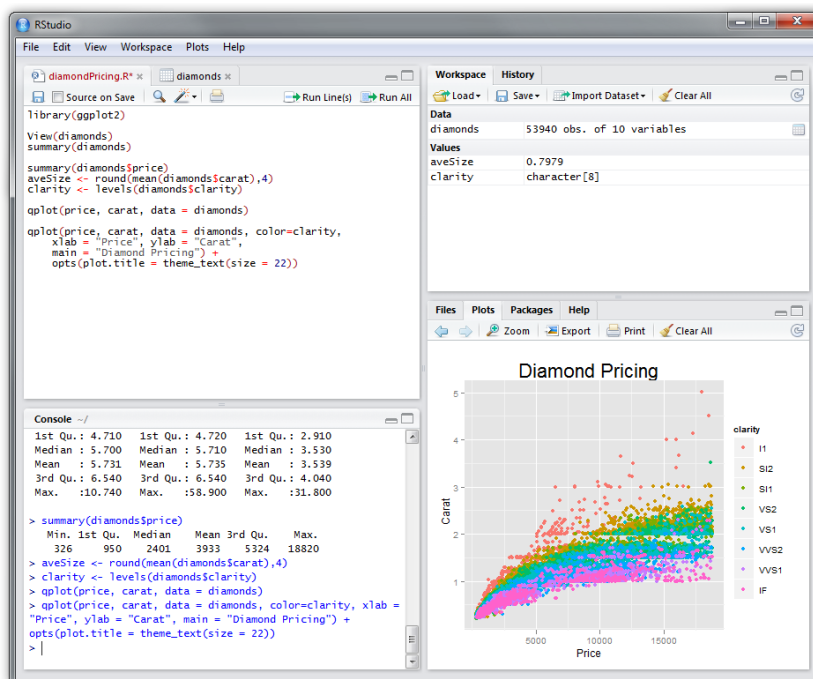
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RStudio is a new Integrated Development Environment (IDE) for the R programming language. RStudio is an open-source project intended to combine the various components of R (console, source editing, graphics, history, help, etc.) into one seamless and productive workbench. It is designed to both ease the learning curve for new R users as well as provide high productivity tools for more advanced users. RStudio runs on all major platforms including Windows, Mac OS X, and Linux. In addition to the desktop application, RStudio can be deployed as a server to enable web access to R sessions running on remote systems.



RStudio running on Windows

For the useR! 2011 conference, we would like to introduce RStudio as a new open-source IDE for the R community. We will cover its various features in depth as well as tips on how to optimize workflow. We will cover the basics (console, editing, plots, etc) and also discuss more advanced features including code completion, searchable history and authoring \LaTeX and Sweave documents.

The presentation will also cover the details of setting up an RStudio server. We will show a hands on demonstration of installing RStudio on an Ubuntu Server as well as describe the various configuration options and administrative utilities.

NOTE: Currently, RStudio is not publicly available (it is in beta) however will be released well in advance of the conference. Our website <http://www.rstudio.org/> will also be live at this time. For the purposes of considering this presentation, please contact us to receive access to the website.