



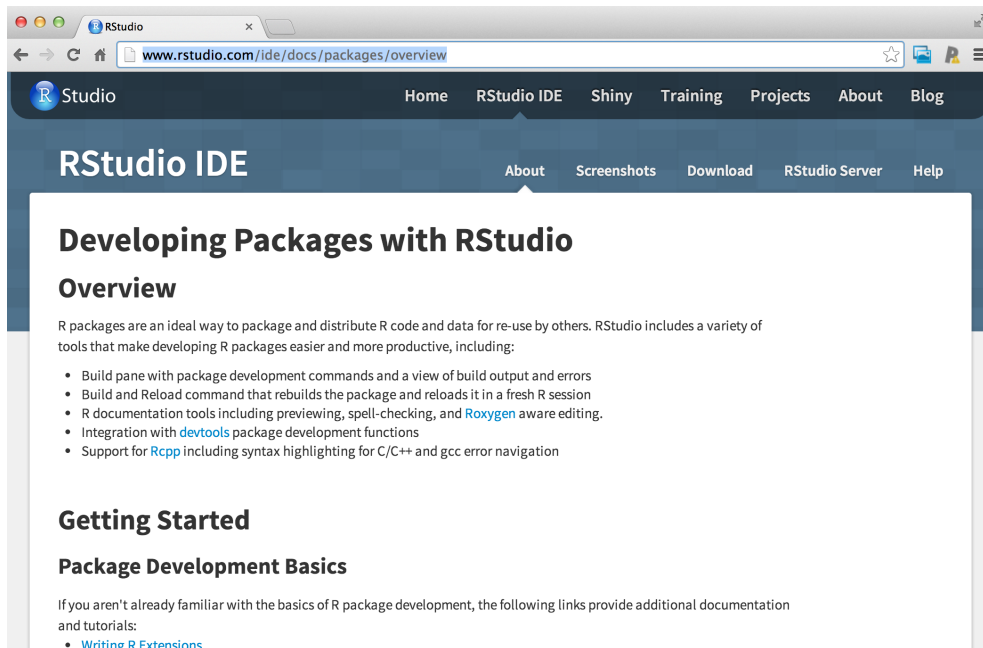
Building Data Products Overview

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Building Data Products Content

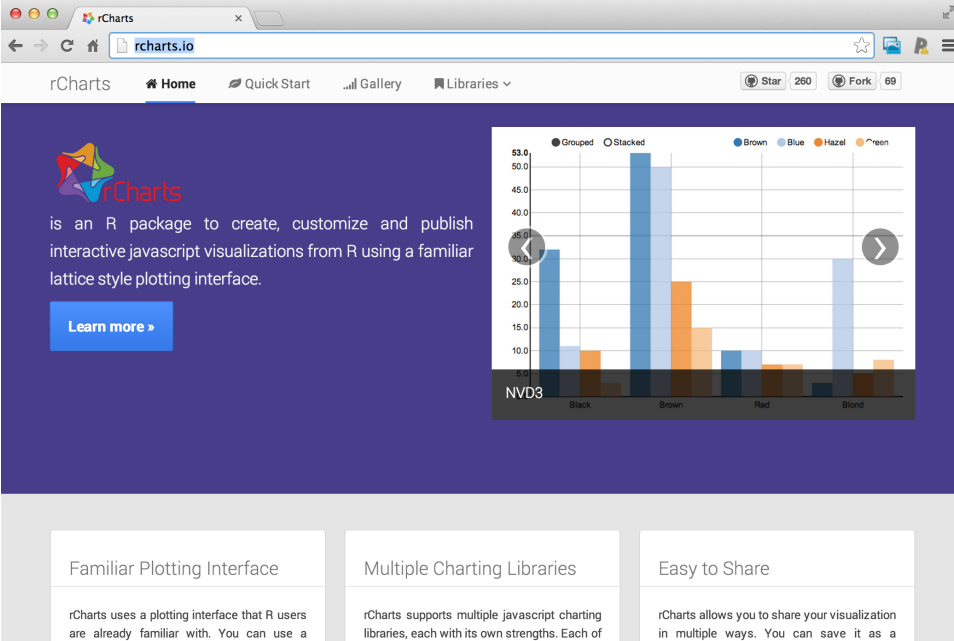
- R packages
 - devtools
 - roxygen
 - testthat
- rCharts
- Slidify
- Shiny

R packages - for the engineers



<http://cran.r-project.org/web/packages/> <http://www.rstudio.com/ide/docs/packages/overview>

rCharts - for marketing



The screenshot shows a web browser window with the address bar displaying `rcharts.io`. The website has a dark blue header with navigation links: Home, Quick Start, Gallery, and Libraries. It also shows GitHub statistics: 260 Stars and 69 Forks. The main content area features the rCharts logo and a description: "is an R package to create, customize and publish interactive javascript visualizations from R using a familiar lattice style plotting interface." Below this is a "Learn more" button. To the right is a large bar chart titled "NVD3" showing data for four categories: Black, Brown, Red, and Blond. The chart uses a grouped bar style with colors: Brown (dark blue), Blue (light blue), Hazel (orange), and Green (dark green). The y-axis ranges from 0.0 to 55.0. The chart is interactive, with a legend at the top and navigation arrows on the sides.

| Category | Brown | Blue | Hazel | Green |
|----------|-------|------|-------|-------|
| Black | 30.0 | 10.0 | 10.0 | 5.0 |
| Brown | 55.0 | 50.0 | 25.0 | 15.0 |
| Red | 10.0 | 10.0 | 5.0 | 5.0 |
| Blond | 5.0 | 30.0 | 5.0 | 5.0 |

Familiar Plotting Interface

rCharts uses a plotting interface that R users are already familiar with. You can use a

Multiple Charting Libraries

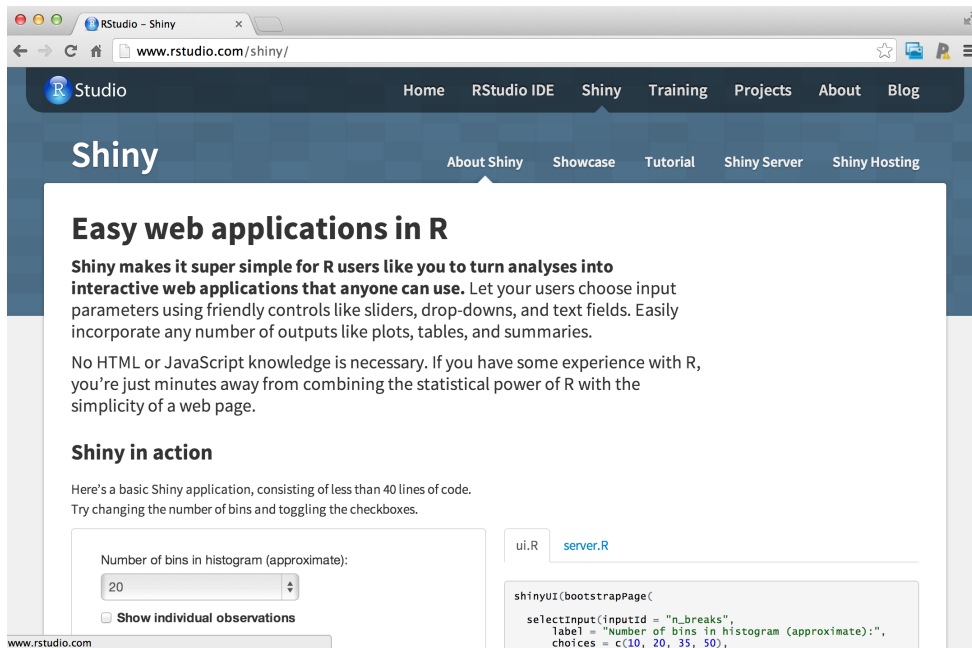
rCharts supports multiple javascript charting libraries, each with its own strengths. Each of

Easy to Share

rCharts allows you to share your visualization in multiple ways. You can save it as a

<http://rcharts.io/> <http://ramnathv.github.io/rChartsNYT/>

Shiny - for your users

A screenshot of a web browser displaying the RStudio Shiny website. The browser's address bar shows 'www.rstudio.com/shiny/'. The website has a dark blue header with navigation links: Home, RStudio IDE, Shiny, Training, Projects, About, and Blog. Below this is a lighter blue section with the 'Shiny' logo and more links: About Shiny, Showcase, Tutorial, Shiny Server, and Shiny Hosting. The main content area has a white background and features the heading 'Easy web applications in R'. Below this heading is a paragraph explaining that Shiny makes it simple for R users to create interactive web applications. Another paragraph states that no HTML or JavaScript knowledge is necessary. A section titled 'Shiny in action' includes a brief description of a basic Shiny application and a small interactive demo. The demo consists of a text input field labeled 'Number of bins in histogram (approximate):' with the value '20' entered, a 'Show individual observations' checkbox, and a 'server.R' file viewer showing R code for a histogram.

www.rstudio.com

Number of bins in histogram (approximate):

20

☐ Show individual observations

ui.R server.R

```
shinyUI(bootstrapPage(  
  selectInput(inputId = "n_breaks",  
    label = "Number of bins in histogram (approximate):",  
    choices = c(10, 20, 35, 50),
```

<http://www.rstudio.com/shiny/> <http://www.rstudio.com/shiny/showcase/>