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Further Learning

Helpful places to
learn more about R



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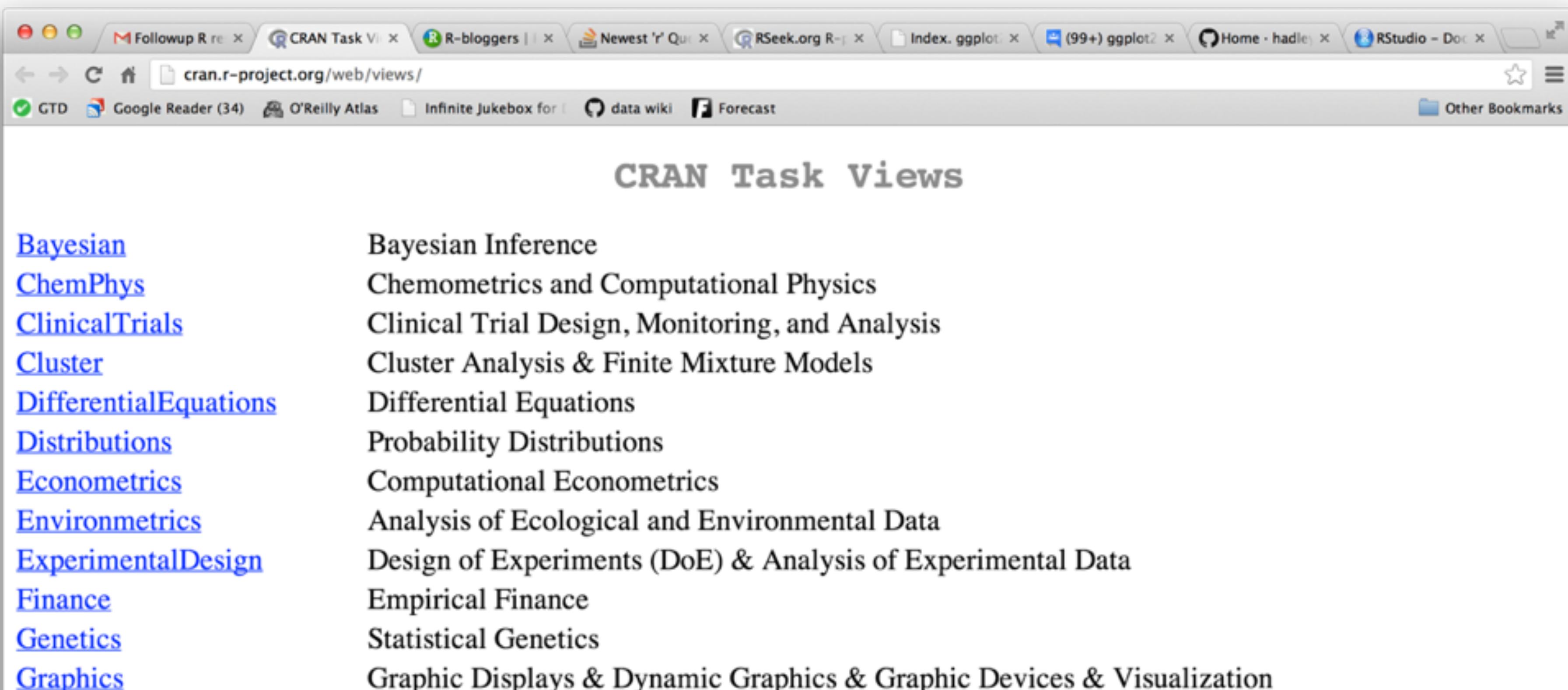
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Cran task views

<http://cran.r-project.org/web/views/>

Categorization of R packages for specific applications.

For example, the "Finance" task view displays packages which are applicable in Finance.



The screenshot shows a web browser window with the URL cran.r-project.org/web/views/ in the address bar. The page title is "CRAN Task Views". On the left, there is a list of task view categories, each with a blue link. To the right of each link is a brief description of the category's focus. A vertical copyright notice is visible on the far right.

| Task View Category | Description |
|---------------------------------------|---|
| Bayesian | Bayesian Inference |
| ChemPhys | Chemometrics and Computational Physics |
| ClinicalTrials | Clinical Trial Design, Monitoring, and Analysis |
| Cluster | Cluster Analysis & Finite Mixture Models |
| DifferentialEquations | Differential Equations |
| Distributions | Probability Distributions |
| Econometrics | Computational Econometrics |
| Environmetrics | Analysis of Ecological and Environmental Data |
| ExperimentalDesign | Design of Experiments (DoE) & Analysis of Experimental Data |
| Finance | Empirical Finance |
| Genetics | Statistical Genetics |
| Graphics | Graphic Displays & Dynamic Graphics & Graphic Devices & Visualization |

R bloggers

<http://www.r-bloggers.com/>

Aggregation of R blogs. This is a great resource to read about new things in R and what the R community is doing. You'll often find new tips and tricks to enhance your R skills.

The screenshot shows a web browser window with the URL www.r-bloggers.com in the address bar. The page title is "R-bloggers" with the subtitle "R news and tutorials contributed by (452) R bloggers". The main navigation menu includes Home, About, add your blog!, Contact us, and RSS. On the left, there's a "WELCOME!" sidebar with a form for email subscription and a feedburner counter showing 14063 readers. Below it, there's a link to Facebook updates. The main content area features a large article titled "Veterinary Epidemiologic Research: Modelling Survival Data – Semi-Parametric Analyses" by denishaine, dated June 4, 2013. To the right, there's a search bar and a "TOP 7 ARTICLES OF THE WEEK" sidebar listing several articles. At the bottom, there's a small image of a survival curve graph.

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Stack Overflow

<http://stackoverflow.com/questions/tagged/r>

The R tag on Stack Overflow is becoming an increasingly important resource for seeking answers to R related questions. You can search the R tag in general, or refine your search to another tag such as ggplot2 or sweave.

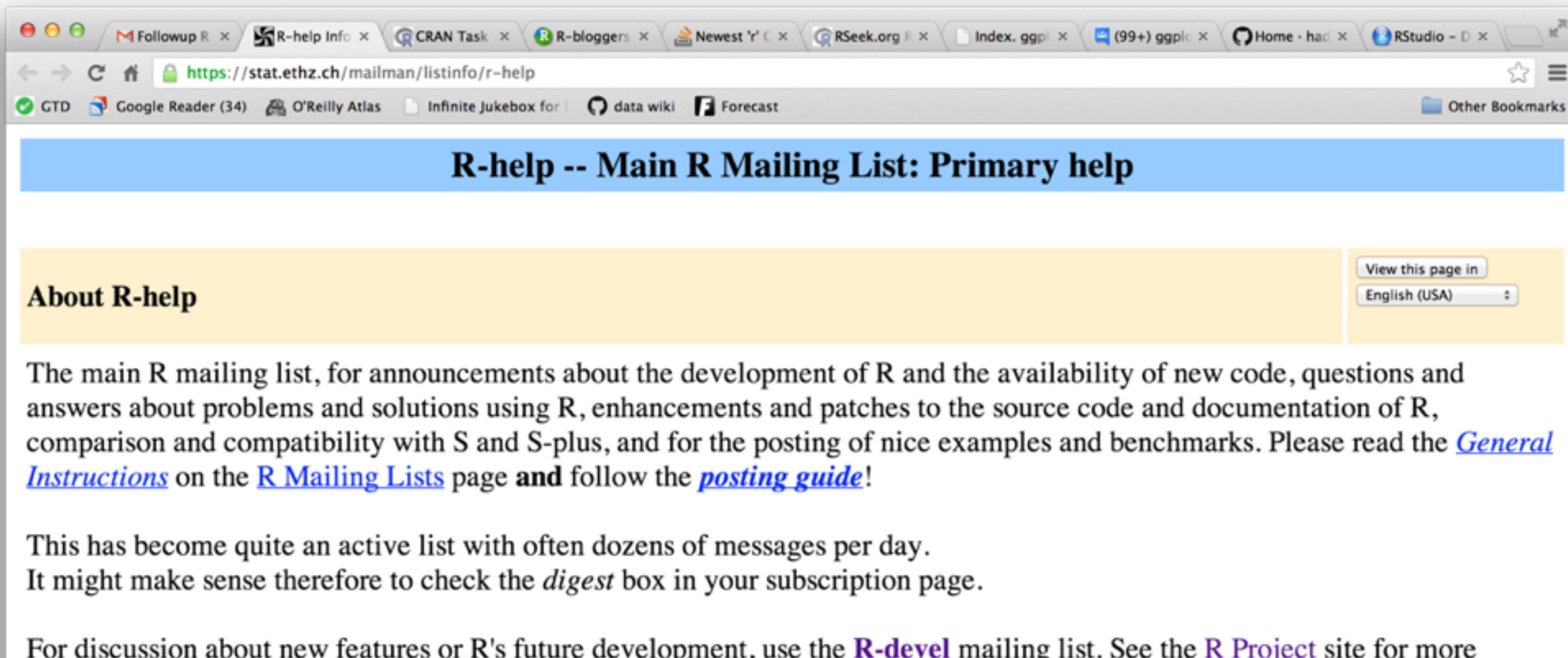
A screenshot of a web browser window displaying the Stack Overflow 'r' tag page. The browser has multiple tabs open, including 'Followup R re...', 'CRAN Task Vi...', 'R-bloggers | | x', 'Newest 'r' Qu...', 'RSeek.org R-T...', 'Index. ggplot...', '(99+) ggplot2 x', 'Home - hadley...', and 'RStudio - Doc...'. The main content area shows the Stack Overflow header with the 'stackoverflow' logo, navigation links for 'Questions', 'Tags', 'Users', 'Badges', and 'Unanswered', and a prominent 'Ask Question' button. Below this, a section titled 'Tagged Questions' is shown with a 'newest' tab selected. A large statistic on the right indicates '30,833 questions tagged r'. A community bulletin at the bottom right mentions 'It's the last week to port your app to...

R Help mailing list

<https://stat.ethz.ch/mailman/listinfo/r-help>

Archives: <http://tolstoy.newcastle.edu.au/R/>

The R-help mailing list is a very active list with questions and answers about problems and solutions using R. Before posting to the list, it is recommended to search the list archives to see if an answer already exists.



A screenshot of a web browser window displaying the R-help mailing list homepage. The browser has a tab bar with multiple open tabs, including "Followup R", "R-help Info", "CRAN Task", "R-bloggers", "Newest 'r' C", "RSeek.org R", "Index. ggpl", "(99+) ggplc", "Home · had", and "RStudio - D". The main content area shows the title "R-help -- Main R Mailing List: Primary help" in a blue header bar. Below the header, there is a yellow sidebar on the left labeled "About R-help" and a "View this page in" dropdown menu set to "English (USA)". The main content area contains text about the purpose of the mailing list and links to "General Instructions" and "posting guide". At the bottom, there is a note about the list being active and a link to the R Project site for more information.

R-help -- Main R Mailing List: Primary help

About R-help

The main R mailing list, for announcements about the development of R and the availability of new code, questions and answers about problems and solutions using R, enhancements and patches to the source code and documentation of R, comparison and compatibility with S and S-plus, and for the posting of nice examples and benchmarks. Please read the [General Instructions](#) on the [R Mailing Lists](#) page and follow the [posting guide](#)!

This has become quite an active list with often dozens of messages per day.
It might make sense therefore to check the *digest* box in your subscription page.

For discussion about new features or R's future development, use the [R-devel](#) mailing list. See the [R Project](#) site for more

ggplot2 mailing list

<https://groups.google.com/forum/?fromgroups#!forum/ggplot2>

Active and friendly mailing list to seek and ask questions about ggplot2.

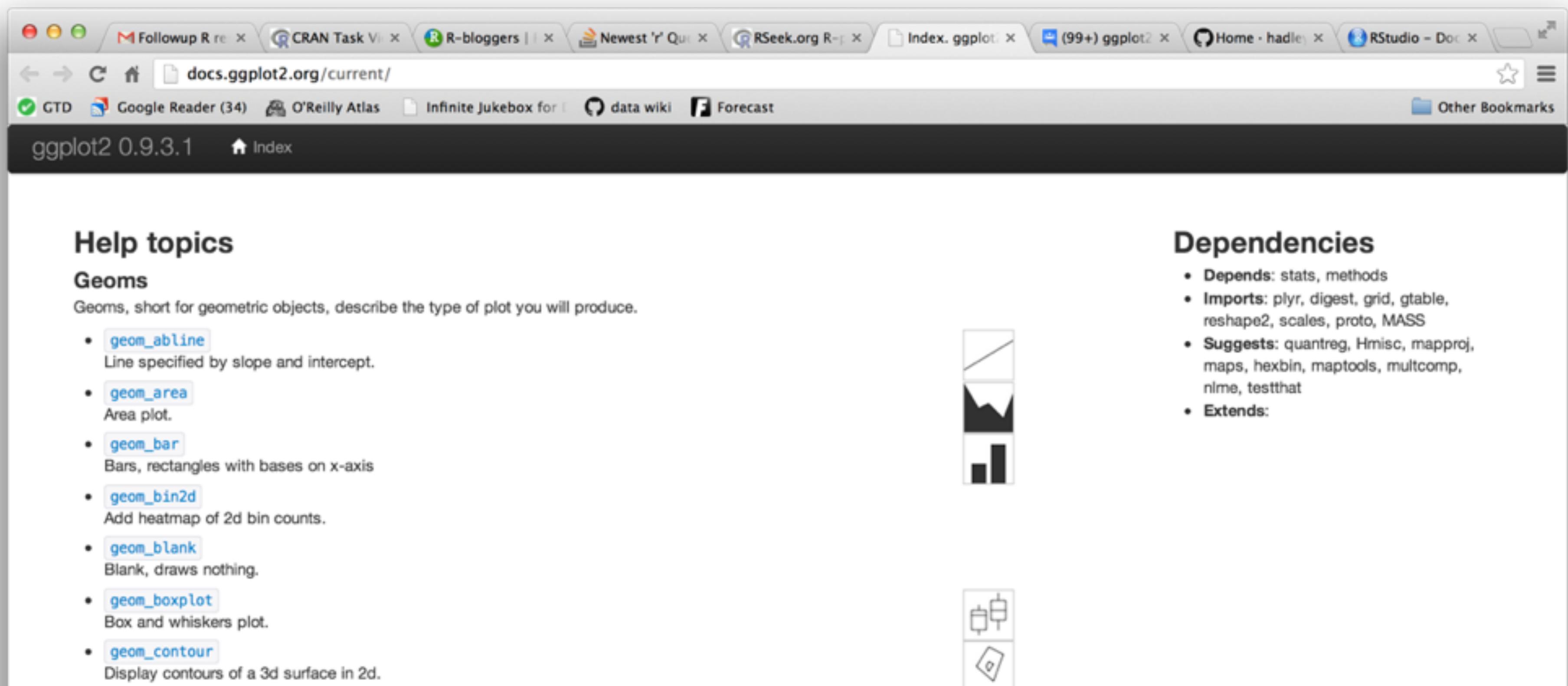
The screenshot shows a web browser window with multiple tabs open at the top, including "Followup R re...", "CRAN Task Vi...", "R-bloggers |", "Newest 'R Qu...", "RSeek.org R-T...", "Index. ggplot...", "(99+) ggplot2 x...", "Home - hadley...", and "RStudio - Doc...". The main content area is a Google Groups page for the "ggplot2" group. The left sidebar has links for "My groups", "Favorites" (with a note to click stars), and "Recently viewed" (knitr). The main area shows 30 of 3846 topics, with the first five listed:

- Strange scale_x_datetime offset? (9) By Bill Harris - 9 posts - 10 views Jun 4
- problem of line proportionality (4) By Hadrien Commenges - 4 posts - 4 views Jun 4
- unexpected behavior of scale_fill_manual (4) By mandr...@gmail.com - 4 posts - 14 views May 31
- Overlaying faceting of boxplots with mean value points (2) By brianw - 2 posts - 8 views May 31
- Can't eliminate whitespace after making bars skinny in bar chart (2) By Ted Benson - 2 posts - 1 view May 31

ggplot2 docs

<http://docs.ggplot2.org/current/>

Expansive manual and documentation for the ggplot2 package. There are a lot of examples and information beyond what we covered in the workshop.



The screenshot shows a web browser window with the URL docs.ggplot2.org/current/ in the address bar. The page title is "ggplot2 0.9.3.1". The main content area is divided into two sections: "Help topics" on the left and "Dependencies" on the right. The "Help topics" section contains a list of geom functions with brief descriptions. The "Dependencies" section lists the packages that ggplot2 depends on, imports, suggests, and extends. There are also small icons representing different types of plots.

Help topics

Geoms

Geoms, short for geometric objects, describe the type of plot you will produce.

- [geom_abline](#)
Line specified by slope and intercept.
- [geom_area](#)
Area plot.
- [geom_bar](#)
Bars, rectangles with bases on x-axis
- [geom_bin2d](#)
Add heatmap of 2d bin counts.
- [geom_blank](#)
Blank, draws nothing.
- [geom_boxplot](#)
Box and whiskers plot.
- [geom_contour](#)
Display contours of a 3d surface in 2d.

Dependencies

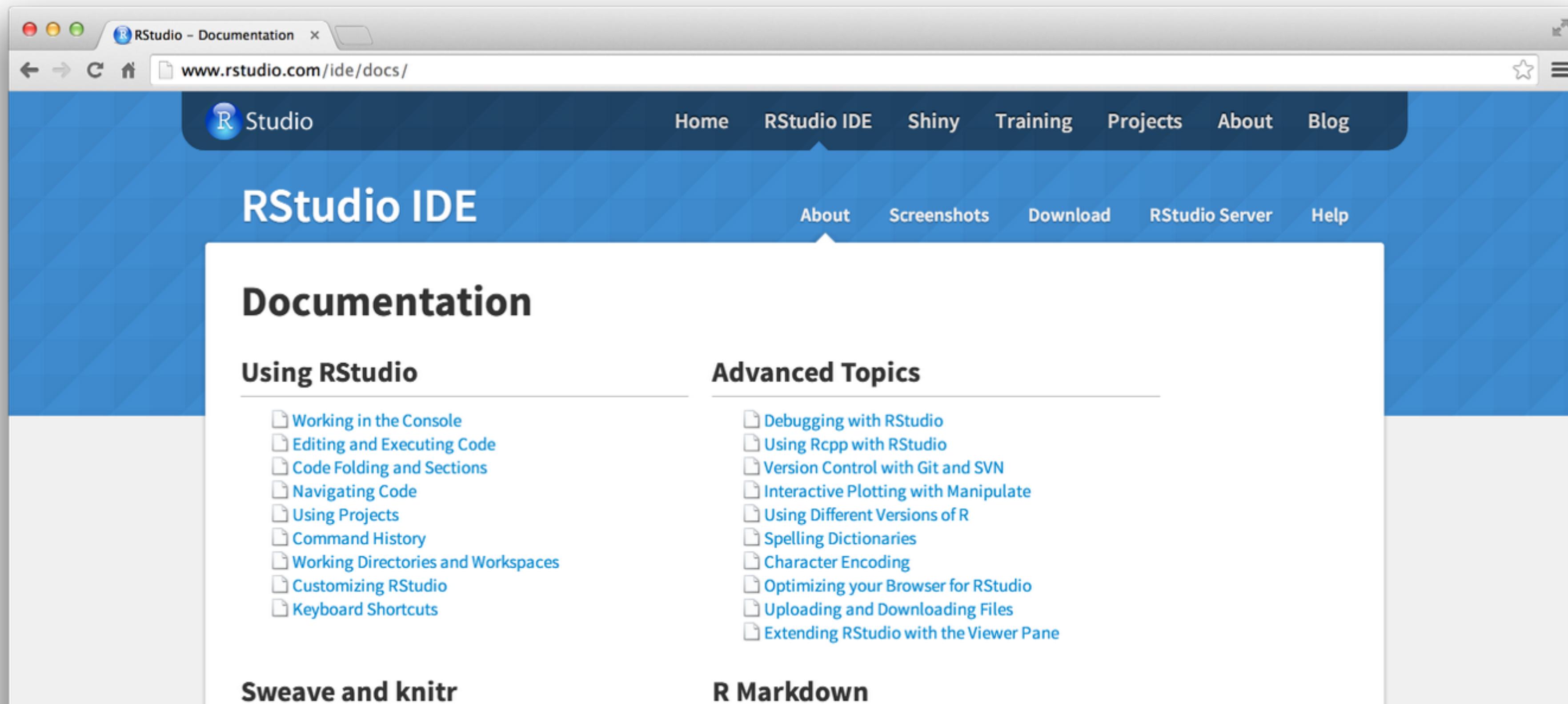
- Depends: stats, methods
- Imports: plyr, digest, grid, gtable, reshape2, scales, proto, MASS
- Suggests: quantreg, Hmisc, mapproj, maps, hexbin, maptools, multcomp, nlme, testthat
- Extends:



RStudio docs

<http://www.rstudio.com/ide/docs/>

Many short tutorials that describe RStudio's helpful features.



RStudio training

<http://www.rstudio.com/training/online.html>

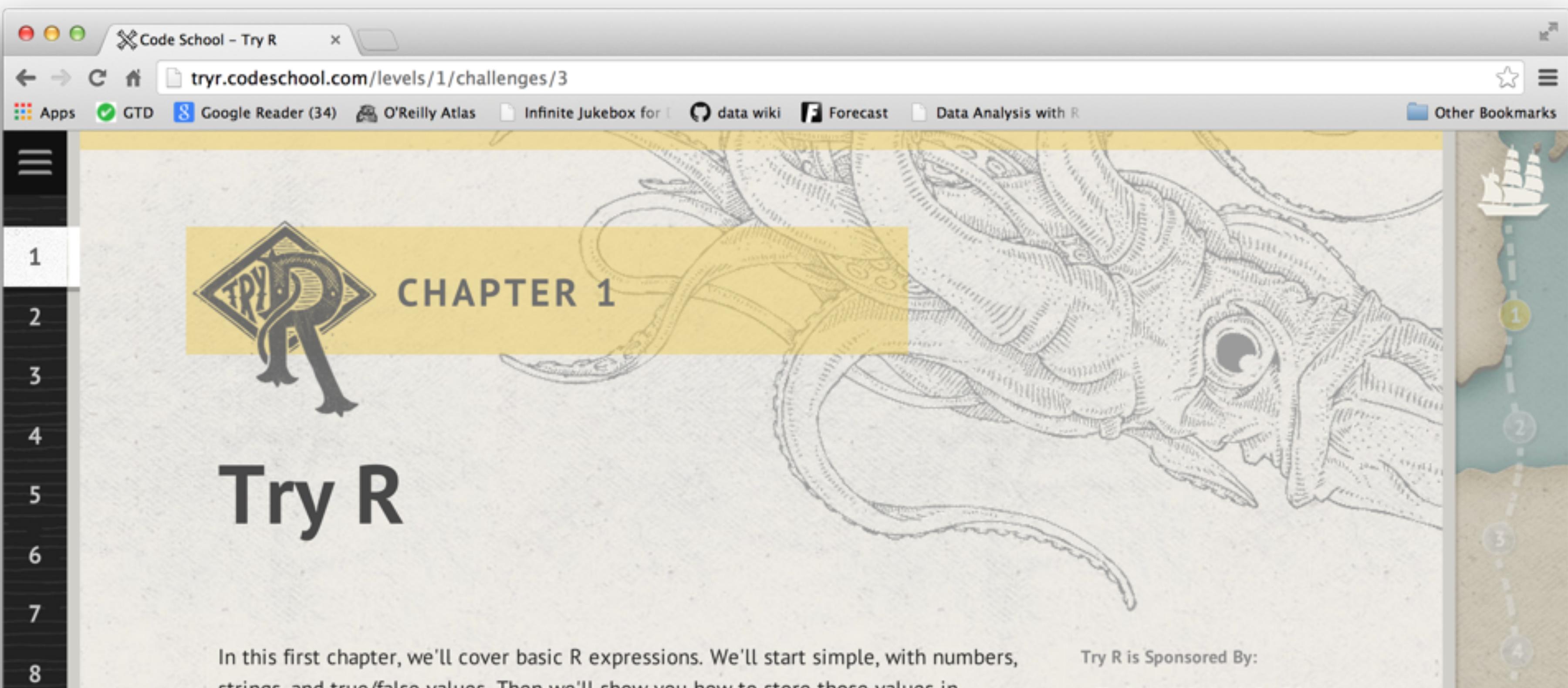
Links to recommended tutorials, articles, examples
to help you learn R and its extensions

The screenshot shows a web browser window displaying the RStudio Online learning page at www.rstudio.com/training/online.html. The page has a blue header with the RStudio logo and navigation links for Home, RStudio IDE, Shiny, Training, Projects, About, and Blog. A secondary navigation bar below the header includes links for Training, Online learning, In person instruction, Training partners, and Books. The main content area features a section titled "Online learning" with a sub-section "Upcoming public workshops". It lists an event for "Intro to Data Science with R" on 2014-04-28 in San Francisco with a "Register Now" button. Below this, there's a section titled "What would you like to learn?" with categories R, Shiny, R Markdown, and Data Science.

try R

<http://tryr.codeschool.com/>

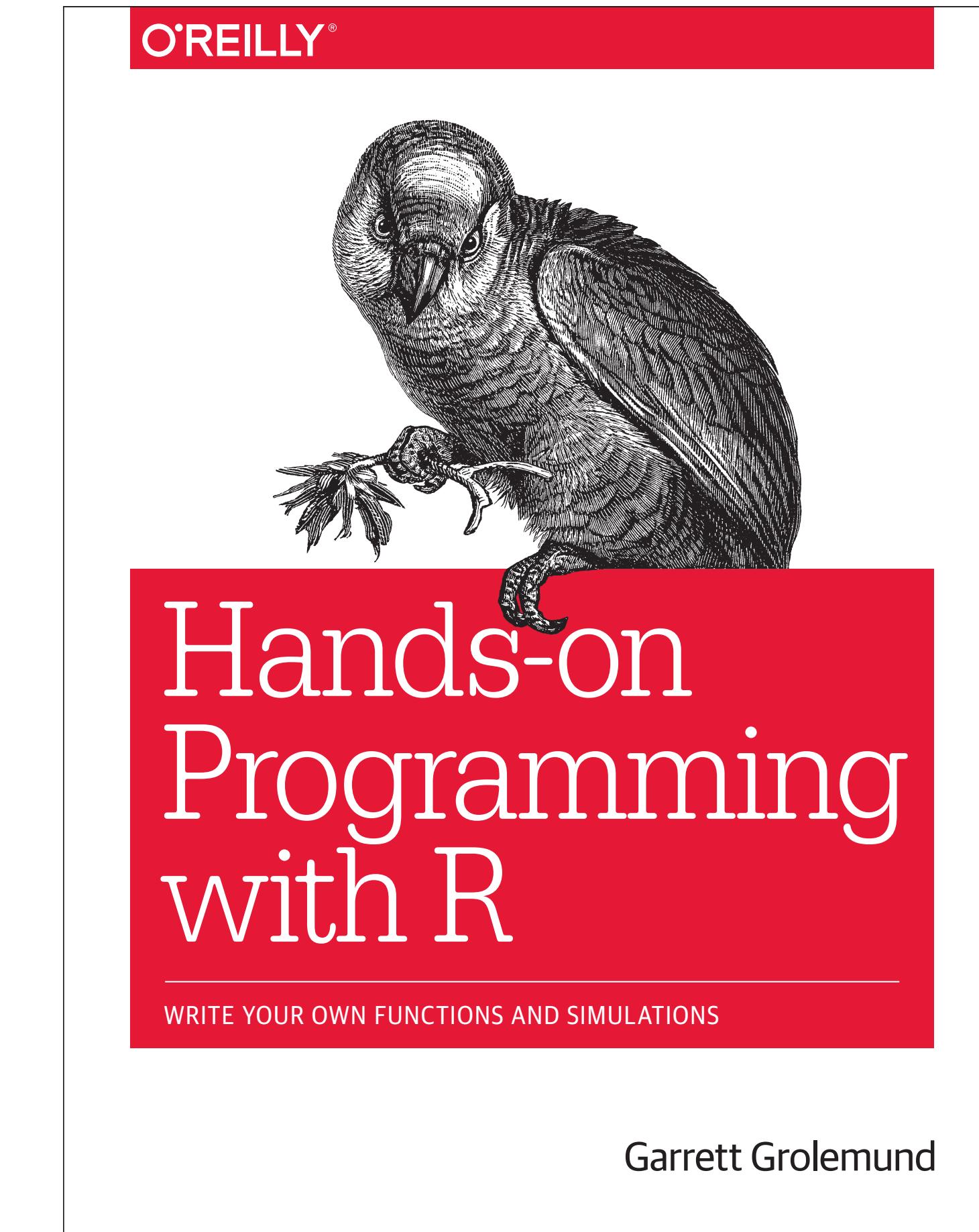
A game-ified R lesson that provides an embedded console and quick feedback, a useful way to practice the basics of R.



R programming

To learn how to write
functions and programs
in R.

[http://shop.oreilly.com/
product/
0636920028574.do](http://shop.oreilly.com/product/0636920028574.do)





Thank you!