

Bay Area R User Group



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*The leading commercial provider of software and support for the popular
open source R statistics language.*

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- **7:30 - 7:40:** Introduction & announcements
- **7:40 - 7:50:** Introduction to R (David Smith)
- **7:50 - 8:10:** A Tour of Sweave (Max Kuhn)
- **8:10 - 8:55:** A Few Of My Favorite Things: A Brief Tour of An Information Environment (Byron Ellis)
- **8:55 - 9:10:** Q&A
- **9:10:** Close



Introduction to R

David Smith
VP Marketing and Community
Revolution Analytics

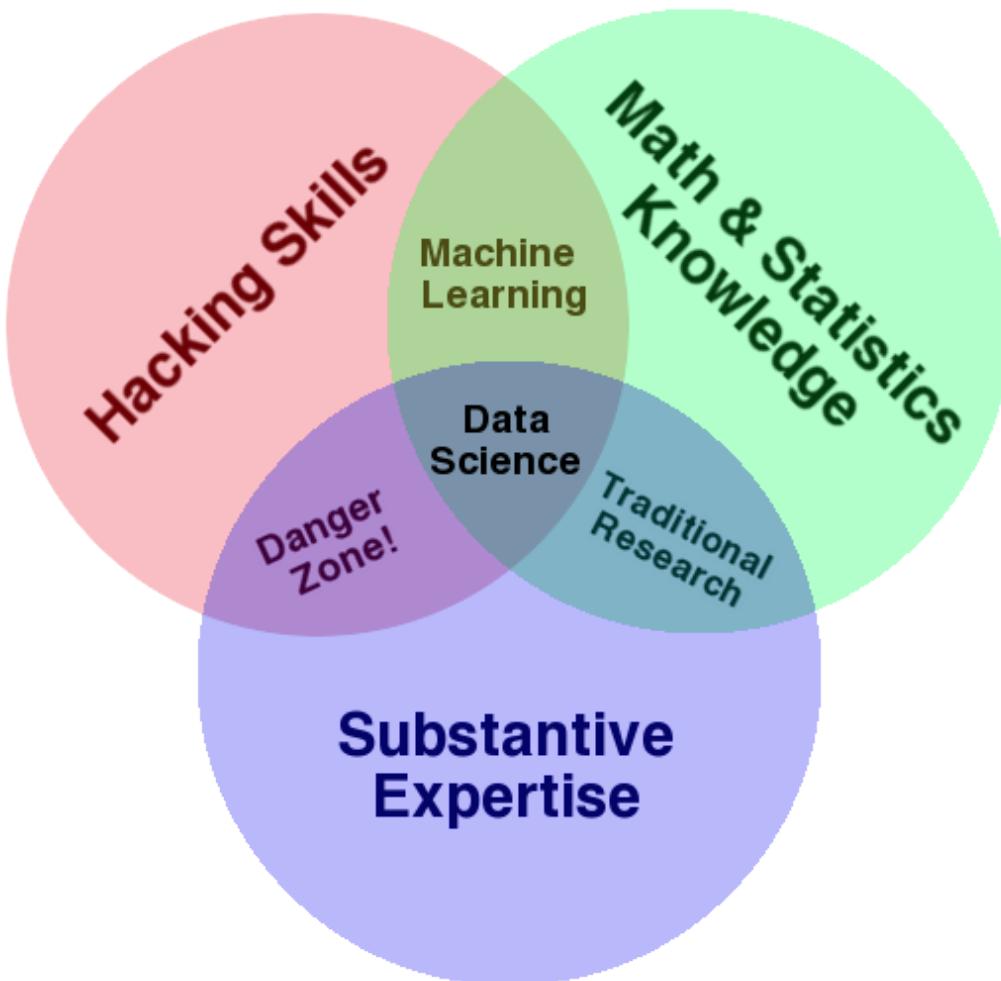
What is R?

- Data analysis software
- A programming language
 - Development platform designed by and for statisticians
- An environment
 - Huge library of algorithms for data access, data manipulation, analysis and graphics
- An open-source software project
 - Free, open, and active
- A community
 - Thousands of contributors, 2 million users
 - Resources and help in every domain

Download the White Paper
bit.ly/r-is-hot



R is for Data Science



Drew Conway

<http://www.dataists.com/2010/09/the-data-science-venn-diagram/>

Wikileaks Geospatial Attack Data by Year and Type (Afghanistan District Boundaries)



Longitude

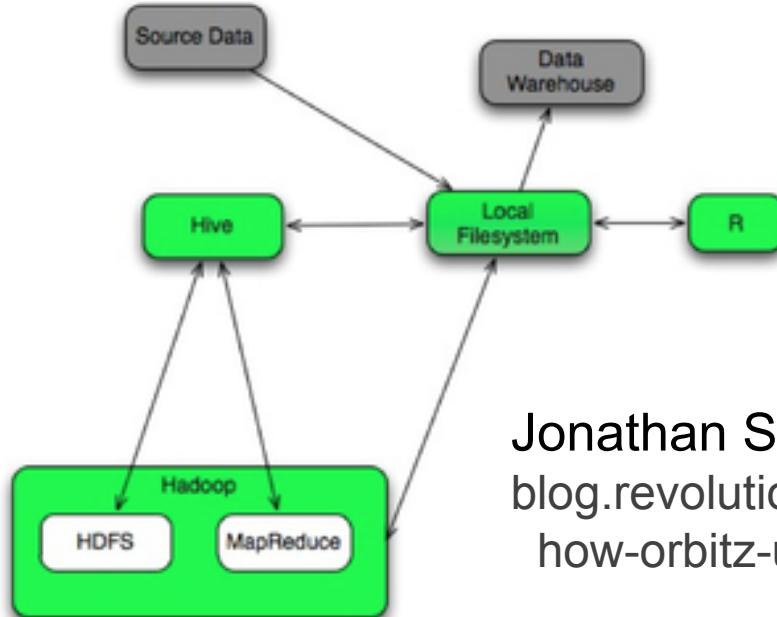
Drew Conway
<http://www.drewconway.com/zia/?p=2268>



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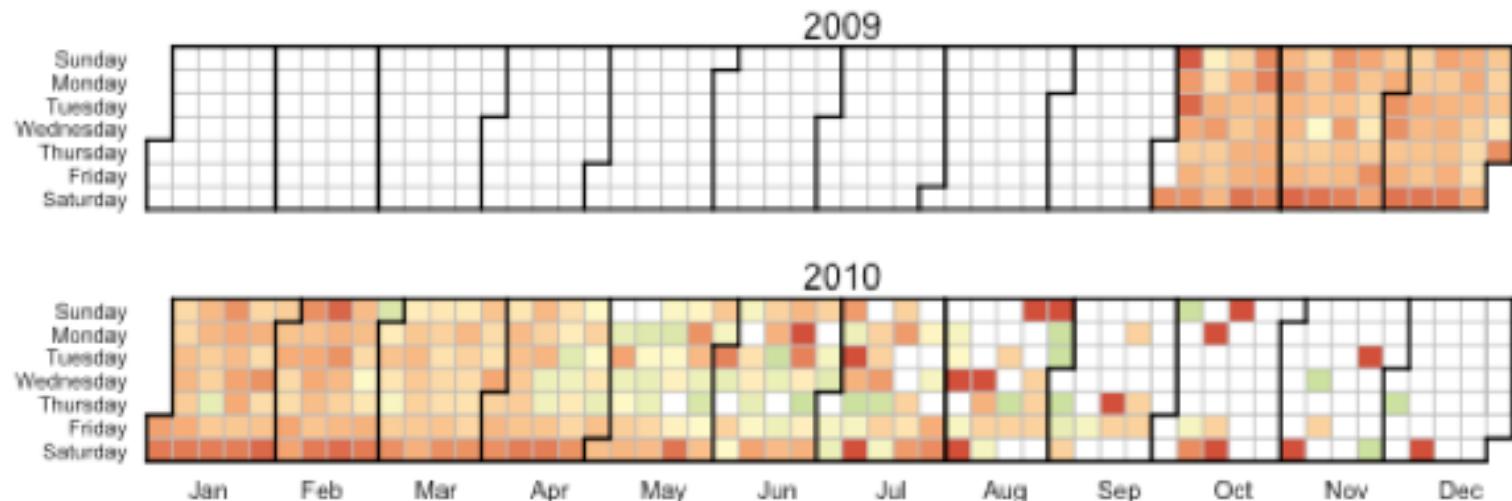
December 2010

Paul Butler
[http://www.facebook.com/notes/facebook-engineering/
visualizing-friendships/469716398919](http://www.facebook.com/notes/facebook-engineering/visualizing-friendships/469716398919)



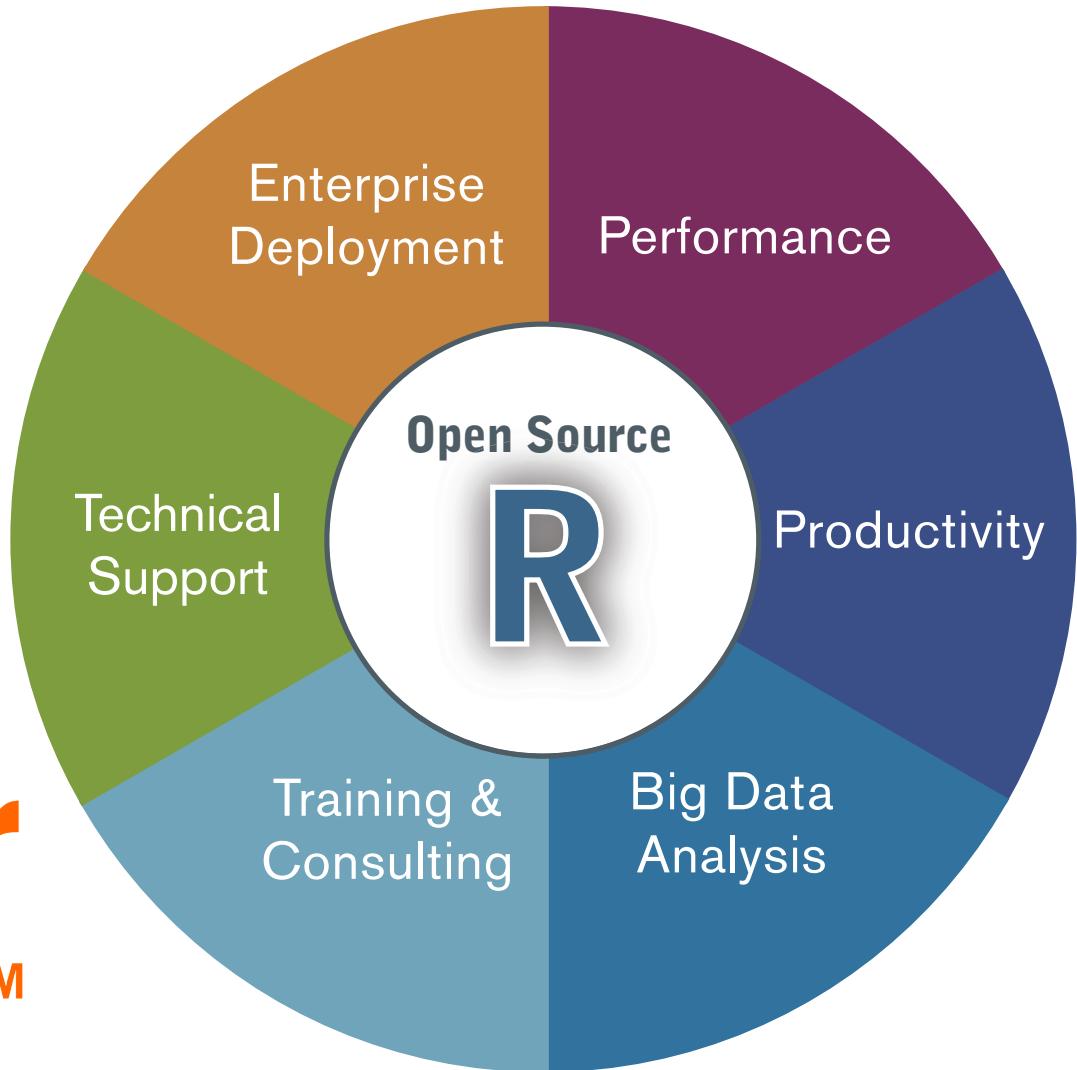
Jonathan Seidman & Ramesh Venkataramaiah
[blog.revolutionanalytics.com/2010/12/
 how-orbitz-uses-hadoop-and-r-to-optimize-hotel-search.html](http://blog.revolutionanalytics.com/2010/12/how-orbitz-uses-hadoop-and-r-to-optimize-hotel-search.html)

Heat Map of Aggregated Check-in Date vs. Avg. Stay





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