THE R ECOSYSTEM

Media

Books

News Articles

Journals

Data Science

Data Journalism

Reproducible Research

Big Data

Big Analytics

http://blog.revolutionanalytics.com/data-science/

The R Project

Companies Working with R

Employers of R users

Growth in R jobs

Over 2 million R users worldwide

% R users By Industry

Life Sciences: 6.4%
Finance: 5.5%
Manufacturing: 4.0%
Services: 2.3%
Other: 1.6%

R Users in Industry: Worldwide

R Users in Academia

> 1M R users in industry
The R Ecosystem
David Smith, Revolution Analytics

In the last couple of years, and especially since the New York Times feature article about R, I have observed a dramatic shift in the perceptions of R. Long gone are the days when it was regarded as a “niche” statistical computing tool mainly used for research and teaching. Today, R is viewed as a critical component of any data scientist’s toolbox, and has been adopted as a layer of the analytics infrastructure at many organizations. As a result, a broad ecosystem has sprung up around open-source R. In this talk, I’ll share my observations on this evolving ecosystem, including:

- Estimates of the number of R users
- The R Community: people sharing R software and experiences
- How R is being used in academia and in industry
- R’s role in the Data Science movement
- How R is bringing modern Statistics to business applications

The talk will conclude with some thoughts on what the future holds for R’s role in the worlds of statistics, data science, and business.
r-project.org

15,000 visitors daily

Package Developers (1875)

R Core Group (20)
Mailing Lists

The R Journal
http://r-journal.r-project.org

r-project.org

R Core Group
(20)

15,000 visitors daily

Package Developers
(1875)

Source: http://r4stats.com/popularity
The R Project

472 Participants

The R Journal
http://r-journal.r-project.org

Bioconductor
460 packages

r-project.org
15,000 visitors daily

R Core Group
(20)

R-Forge
1,102 projects

CRAN
3419 Packages

Package Developers
(1875)

Source: http://r4stats.com/popularity
R

users

(2M+)
http://www.quora.com/R-software

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

6000 Questions
Local R
User Groups (55)
http://blog.revolutionanalytics.com/local-r-groups.html

Video Rchive
http://www.vcasmo.com/user/drewconway
The R User Community

Local R User Groups (55)
http://blog.revolutionanalytics.com/local-r-groups.html

Video Rchive
http://www.vcasmo.com/user/drewconway

http://blog.revolutionanalytics.com

R-bloggers
R news and tutorials contributed by (231) R bloggers

http://www.inside-r.org


The 6000 Questions...
Software with R connections

“...A key benefit of R is that it provides near-instant availability of new and experimental methods created by its user base — without waiting for the development/release cycle of commercial software. SAS recognizes the value of R to our customer base, and now makes it easy for SAS users to utilize R from within the SAS environment.”
SAS Product Manager, May 2011
"A key benefit of R is that it provides near-instant availability of new and experimental methods created by its user base — without waiting for the development/release cycle of commercial software. SAS recognizes the value of R to our customer base, and now makes it easy for SAS users to utilize R from within the SAS environment."

SAS Product Manager, May 2011
Companies Working with R Services and SI Companies

Mango Solutions
Open Analytics
OpenBI
Mu Sigma
Lityx
ACXIOM
lemnica
statistics.com
Companies Working with R

R Services and SI Companies

Software Companies Extending R

Software with R connections

Mango Solutions
Open Analytics
OpenBI
Mu Sigma
Lityx
ACXIOM
lemnica
statistics.com

R Studio
Information Builders
Revolution Analytics
SPSS
SAS
Spotfire
ORACLE
Neteza
aster data
Media

Books
134 books tagged "R programming language"

News Articles

Journals
Source: http://r4stats.com/popularity
Companies using R
Source: http://www.revolutionanalytics.com/what-is-open-source-r/companies-using-r.php
Commercial R Customers

Organizations Using R

Commercial R Customers

Companies using R
Source: http://www.revolutionanalytics.com/what-is-open-source-r/companies-using-r.php

Direct R Users (1.2M)
Indirect R Users (?)
% R users By Industry

Life Sciences: 6.48%
Finance: 3.53%
Manufacturing: 1.07%
Services: 2.18%
Other: 1.36%

Source: Survey, Aug 2011
(350 institutions, 32,000 confirmed users)
R Users in Industry: Worldwide

> 1.2 M R users in industry
Over 2 million R users worldwide

<table>
<thead>
<tr>
<th>Industry</th>
<th>% of R Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Sciences</td>
<td>6.48%</td>
</tr>
<tr>
<td>Finance</td>
<td>3.53%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>1.07%</td>
</tr>
<tr>
<td>Services</td>
<td>2.18%</td>
</tr>
<tr>
<td>Other</td>
<td>1.36%</td>
</tr>
</tbody>
</table>

Source: Survey, Aug 2011
(350 institutions, 32,000 confirmed users)

> 1.2 M R users in industry
Employers of R users

Growth in R jobs

Science, tech jobs see better pay, government study finds

Jobs in science, technology, engineering and math fields pay an average 26% more than other occupations and grew three times faster the past decade, according to a Commerce Department study to be released today.

Over 2 million R users worldwide
Data Science

Data Journalism  Reproducible Research

Big Data  Big Analytics

http://blog.revolutionanalytics.com/data-science/
THE R ECOSYSTEM
Thank You!

David Smith
david@revolutionanalytics.com