

What is R?

During the last decade, the momentum coming from both academia and industry has lifted the R programming language to become the single most important tool for computational statistics, visualization and data science. Worldwide, millions of statisticians and data scientists use R to solve their most challenging problems in fields ranging from computational biology to quantitative marketing. R has become the most popular language for data science and an essential tool for Finance and analytics-driven companies such as Google, Facebook, and LinkedIn.

R includes virtually every data manipulation, statistical model, and chart that the modern data scientist could ever need. You can easily find, download and use cutting-edge community-reviewed methods in statistics and predictive modeling from leading researchers in data science, free of charge.

R makes it easy to draw meaning from multidimensional data with multi-panel charts, 3-D surfaces and more. The custom charting capabilities of R are featured in many of the stunning infographics seen in the New York Times, The Economist, and the FlowingData blog.

R is supported by a community of more than 2 million users and thousands of developers worldwide. Whether you're using R to optimize portfolios, or to predict component failure times, experts in every domain have made resources, applications and code available for free, online.

[Source: <http://www.revolutionanalytics.com/what-r>]