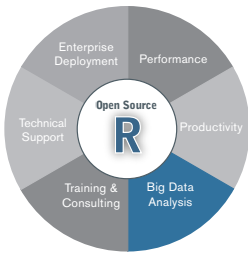


R is Ready for Business™

Revolution R Enterprise Breaks Through R's Memory Barrier for Big Data Analysis



Revolution Analytics has taken the popular R statistics language to unprecedented new levels of capacity and performance for analyzing very large data sets.

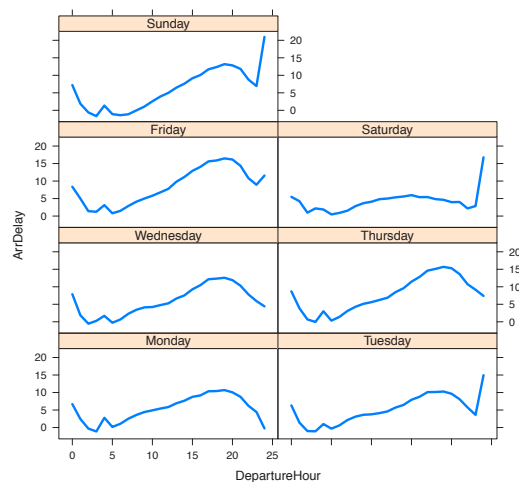
- **Extensibility**, so that expert R users can develop and extend their own statistical algorithms to take advantage of Revolution R Enterprise's new speed and scalability capabilities.

For the first time, R users can process, visualize and model terabyte-class data sets in a fraction of the time of legacy products – without employing expensive or specialized hardware.

Revolution R Enterprise features an innovative package called **RevoScaleR** that provides fast and efficient multi-core processing of large data sets, including:

- **The XDF file format**, a new binary 'Big Data' file format with an interface to the R language that provides high-speed access to arbitrary rows, blocks and columns of data.
- A collection of widely-used statistical algorithms optimized for Big Data, including high-performance implementations of Summary Statistics, Linear Regression, Binomial Logistic Regression and Crosstabs — with more to be added in the future.
- **Data Reading & Transformation Tools**, which allow users to interactively explore and prepare large data sets for analysis.

Average Arrival Delay by Day of Week by Departure Hour



RevoScaleR performs fast & efficient data analysis on this 13GB, 120 million-row data set on a common dual-core PC.

Take Hadoop and Other Big Data Sources to the Next Level

Revolution R Enterprise fits well within the modern 'Big Data' architecture by leveraging popular sources such as Hadoop, NoSQL or key value databases, relational databases and data warehouses. These products can be used to store, regularize and do basic manipulation on very large datasets—while Revolution R Enterprise provides advanced analytics at unparalleled speed and scale.



Join the R Revolution at RevolutionAnalytics.com
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