

INTEGRATING R WITH 1010DATA USING THE R1010 PACKAGE

R1010 is a custom R package that enables you to connect 1010data's Big Data Discovery platform to local sessions of R, the popular open source programming language for statisticians and data scientists

A RICH COLLECTION OF STATISTICAL FUNCTIONS MEET CLOUD-BASED BIG DATA DISCOVERY

The R-console provides data scientists with a rich and ever-expanding library of statistical functions accessible through a command-line interface that has established a momentous following. While powerful to end-users, standard applications of R do not truly address big data, forcing R programmers to rely on data samples – rather than fully granular big data – while building models and conducting analysis. R1010 supercharges R by combining it with 1010data's massively parallel Big Data Discovery platform, allowing you to work with the world's largest data sets from the familiarity of the standard R-console.

DYNAMIC ACCESS TO THE POWER OF 1010DATA

R1010 connects the R-console directly to 1010data, on-the-fly, allowing R users to address big data within R by infusing 1010data's Big Data Discovery capabilities:

- ◆ Manage existing 1010data sessions and browse database folders and tables
- ◆ Build big data queries using the native R-Query Interface (RQI)
- ◆ Conduct integrated 1010data macro language queries
- ◆ Perform tabulations and create computed columns on 1010data tables

STATISTICAL MODELS THAT LEVERAGE BIG DATA

With R1010, you can now apply all your existing models – as well as newly developed models – against big data of any volume and complexity. Tables stored in 1010data appear as native R data frames, enabling you to instantly execute and rapidly iterate on your models with the combined power of 1010data's unique Big Data Discovery capabilities.

EASY INTEGRATION

The downloadable R1010 package installs in minutes and includes a complete library of functions and documentation for fully harnessing the power of 1010data without leaving the comfort of the R-console. You can also integrate your favorite CRAN packages simultaneously with R1010 to further extend the library of statistical functions available for use with big data sourced from 1010data.



1010data's ability to analyze massive volumes of data combined with R's broad set of statistical functions lets data scientists rapidly build powerful analytical models that leverage big data.

1010DATA™
MORE POWER TO YOU

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