

Data Visualisation for R language

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September 12, 2016

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Google BigQuery

Google BigQuery works as big data warehouse. This system uses a familiar SQL type platform to handle the data and process it as soon as possible. They have a pay-as-you-go system. That means money depends on how much data you will access and process.

Linking R with Google BigQuery

Using R will be easy in Google Query. There are already pre-made packages such as "assertthat" and "bigquery". Both packages has been specifically made for implementing R in Google Query. Both Packages has been made by Hadley Wickham.

Setting up R for Google BigQuery Operations

Following steps has been taking to set up the code. Those steps are ;

- ▶ Introducing R packages for BigQuery
- ▶ Installing the R packages
- ▶ Loading the R packages

Setting up Google BigQuery Platform

Google Query needs membership to sign up. It has similar concept as Github. Following steps needs to be taken for setup ;

- ▶ Creating a Cloud Platform Console
- ▶ Enabling Billing for your project
- ▶ Enabling the BigQuery API– (Note that it will be automatically enabled for new projects)

For enquiring for a query,

- ▶ Compose a query
- ▶ Test with any desired data that you will be interested in.

Following code has to be implement to linking R with Google BigQuery. Following steps will help us to using R shell to access the data from Google BigQuery

- ▶ `library(bigrquery, lib=loc="/Users/erengungor")`
- ▶ `install.packages("assertthat", lib="/Users/erengungor")`
- ▶ `install.packages("bigrquery", lib="/Users/erengungor")`