## Data Visualisation for R language

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### Table of contents

#### R in big data

R environment in Google BigQuery Setting up R for Google BigQuery Operations Setting up Google BigQuery Platform

### Example Codes for Setting up and Testing Google BigQuery

For linking R with Google BigQuery

Testing the environment

# 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 "bigrquery". 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 project in Google Cloud Platform Console
- Enabling Billing for your project
- Enabling the BigQuery API access

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")



# Testing the environment

To test the main functionalities, the following can been done

- Select a project
- Compose a query
- Verify results