

SETTING UP TABLEAU DESKTOP WITH R

Tableau communicates with R using a package called Rserve. If you do not already have R, you will want to install R and Rserve on computer running Tableau Desktop. You can get R from

<http://cran.us.r-project.org/>

You can install and initiate Rserve from R command line by entering:

```
install.packages("Rserve"); library(Rserve); Rserve()
```

REQUIRED PACKAGES FOR R

You may be prompted to install package for R that are required by the scripts in the Tableau workbook.

Before the lecture, install package called “mvoutlier” - **R > Packages > Install package(s)...**

DOWNLOAD AND INSTALL TABLEAU DESKTOP

<http://bit.ly/tableau-2weeks-trial>

TABLEAU FOR STUDENTS - APPLY FOR 1-YEAR FREE LICENSE (IF YOU WISH)

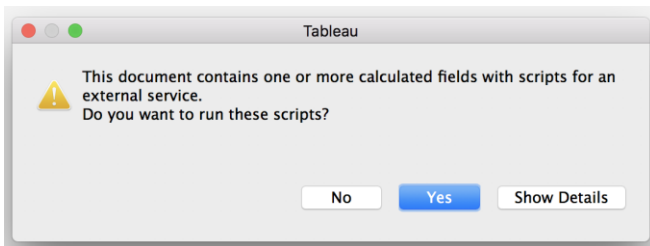
<http://tabsoft.co/2g6lZax>

CONFIGURE AN RSERVE CONNECTION IN TABLEAU

Download and Open Tableau workbook called “how_to_integrate_r_and_tableau.twbx”

https://www.tableau.com/sites/default/files/how_to_integrate_r_and_tableau.twbx

Click **Yes**, as you want to use R scripts embedded into the workbook.



To configure an Rserve connection, follow these steps:

On the Help menu in Tableau Desktop choose **Settings and Performance > Manage R Connection** to open the Rserve connection dialog box. In some installations this dialog box could be instead behind Settings and Performance > Manage External Service Connection.

Enter or select a server name using a domain or an IP address. The drop-down list includes **localhost**. Specify a port. Port **6311** is the default port for Rserve servers.

Click **Test Connection**. Click **OK**.

If no connection can be established, an error message is displayed. Click **Show Details** in the message to see any diagnostic information returned by the server.

http://onlinehelp.tableausoftware.com/current/pro/online/en-us/help.htm#_connection_manage.html

In Tableau click through the worksheets called “Regression”, “Outlier”, “Clusters”, “Actual”. If you see some graphs to appear in all of them, you are **all good. Just enjoy :)**

IN CASE YOU NEED FURTHER HELP, SEE 4 MIN TUTORIAL VIDEO

<https://www.tableau.com/learn/tutorials/on-demand/how-integrate-r-and-tableau>