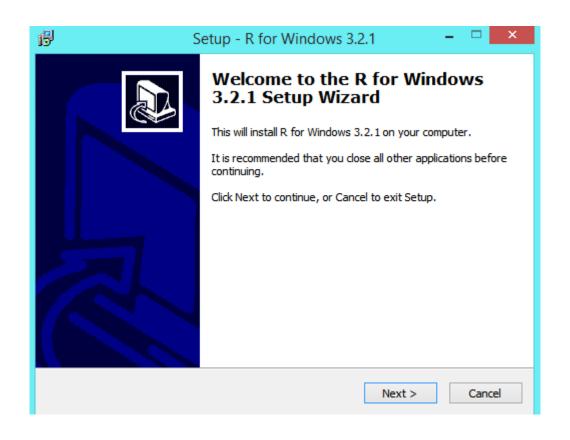
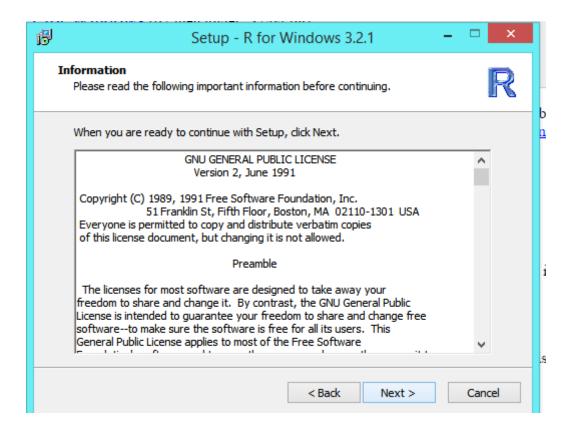
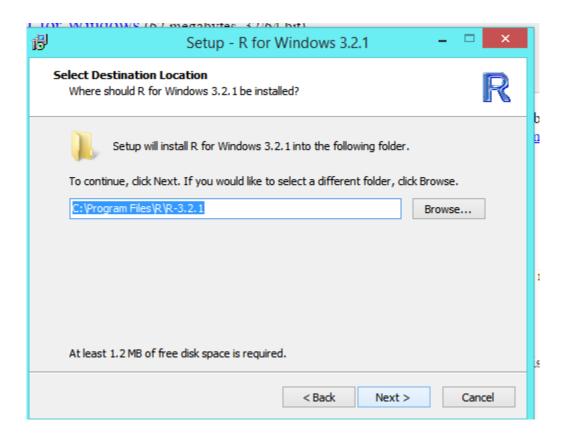


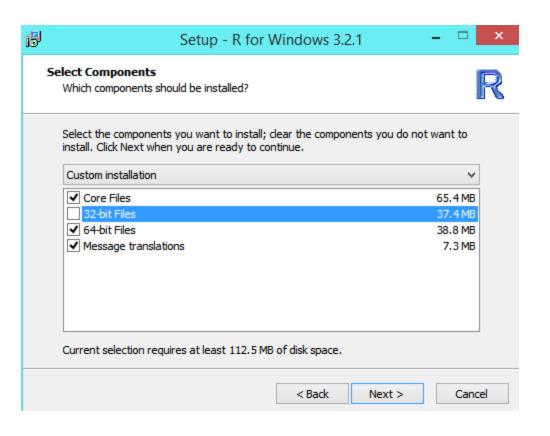
Step by Step Installation of R and related components for use in Tableau

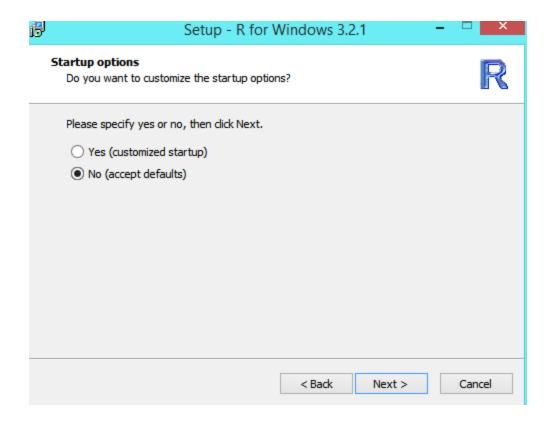
Note: If you have already installed R, proceed to slide number 11



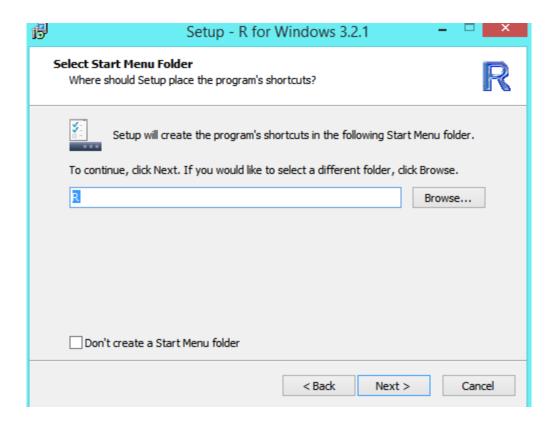


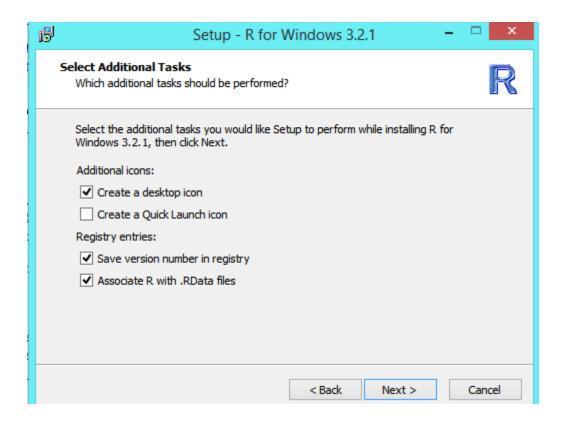


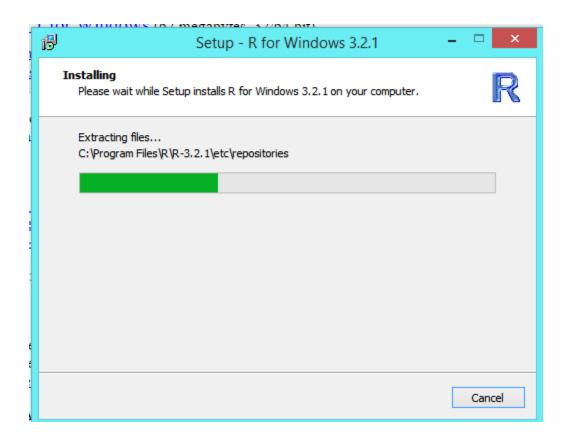


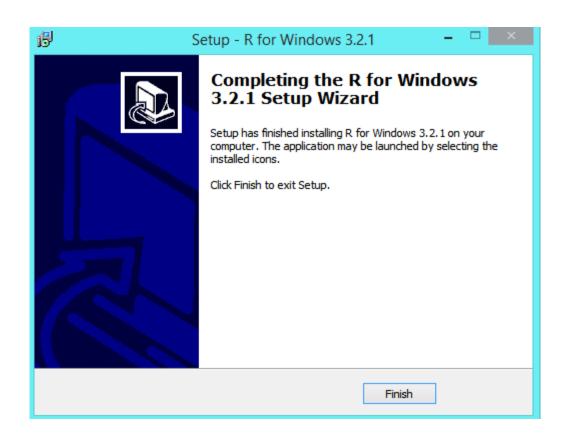


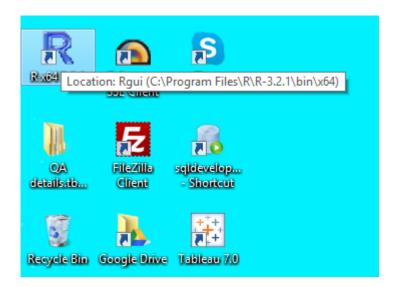




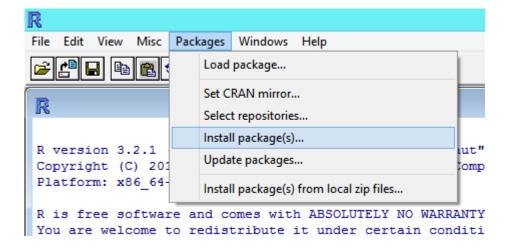




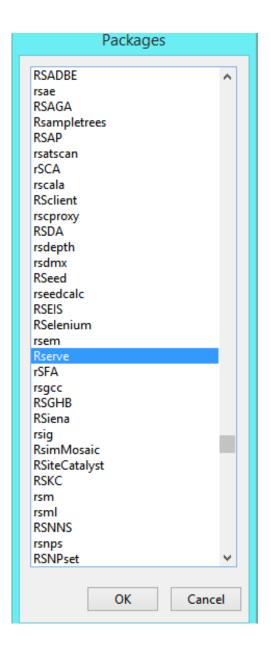






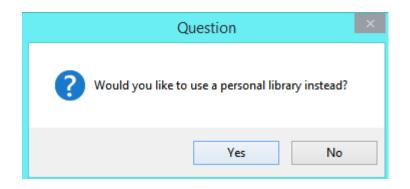


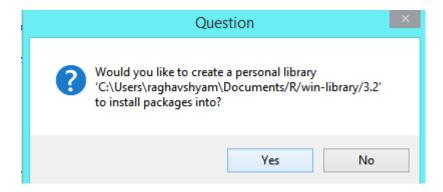


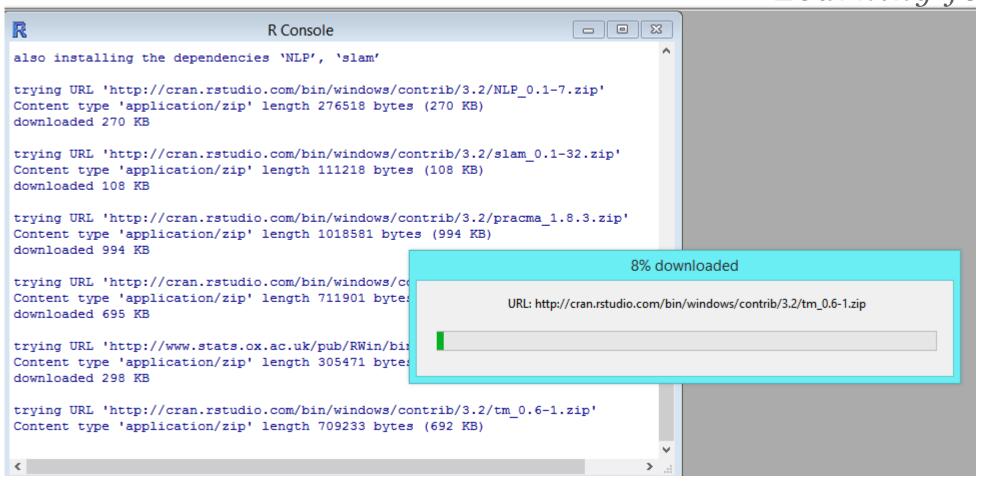


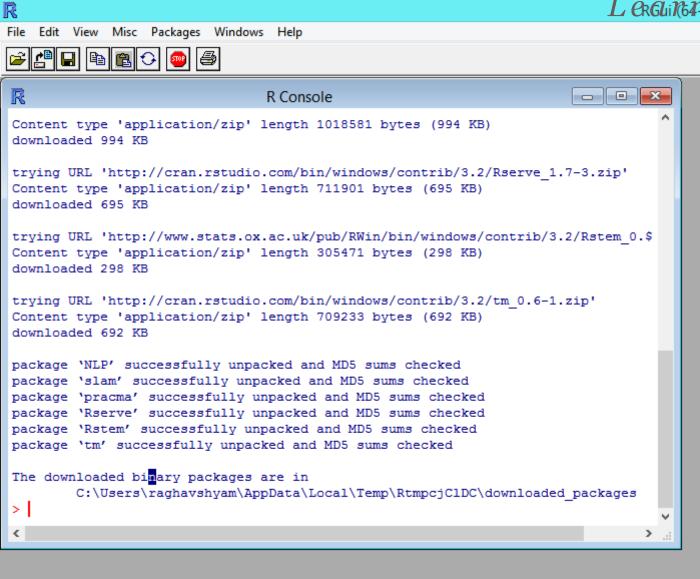
greatlearning
Learning for Life
Packages

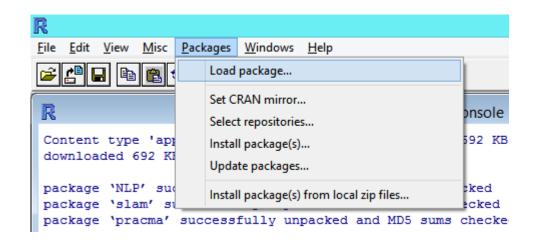
powerMediation ٨ powerpkg powerSurvEpi PowerTOST ppcor ppiPre ppls ppmlasso pps PPtree PPtreeViz pgantimalarials prabclus PracTools pragma prais praktikum prc precintcon predfinitepop PredictABEL PredictiveRegression predictmeans predmixcor prefmod PReMiuM. PresenceAbsence presens presegR **PResiduals** ٧ Cancel OK



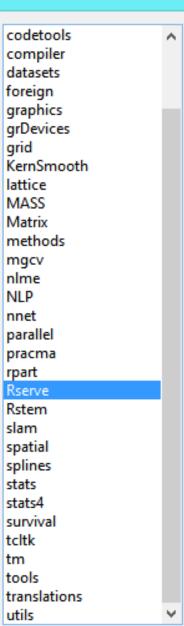






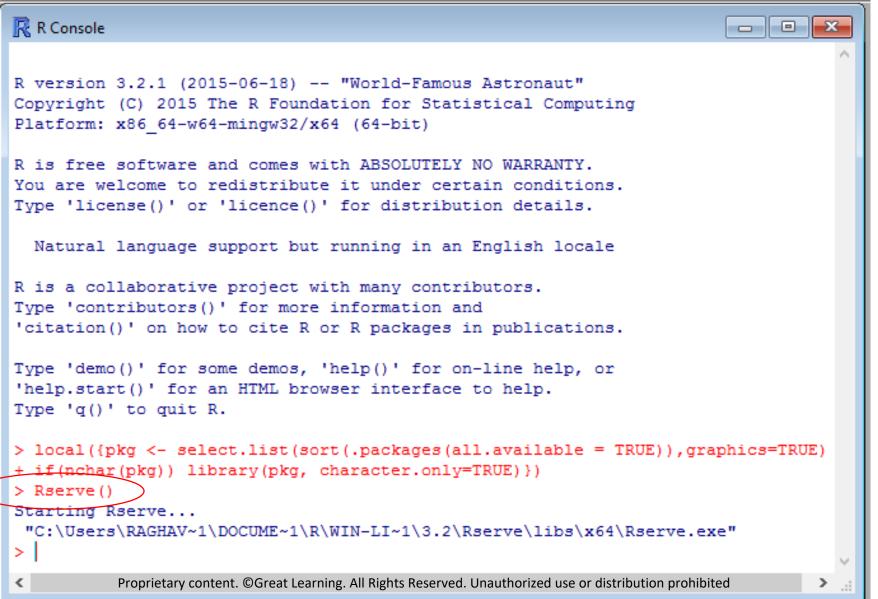


Select one



File Edit View Misc Packages Windows Help







For some users, an error message like below might pop up

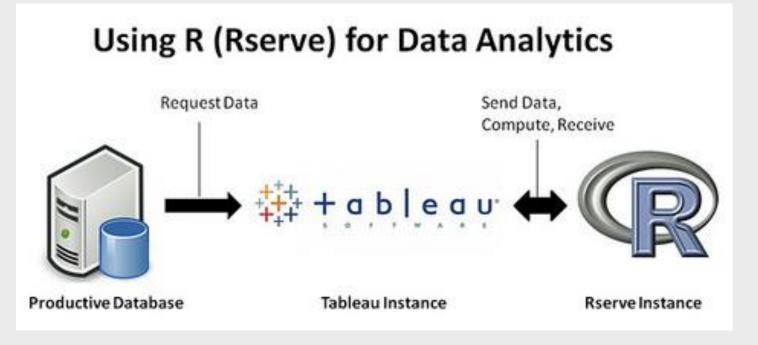
Fatal error: you must specify '--save', '--no-save' or '--vanilla'

In case of above error, type below command onto the R Console:

> Rserve(args="--no-save")



Tableau and R

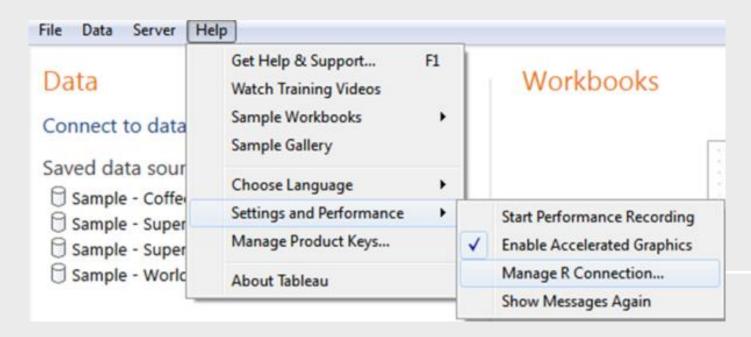


• So how does the integration work? It starts with an R package called Rserve which is a TCP/IP server that allows other programs to use facilities of R. The stated typical use is "to integrate R backend for computation of statistical models, plots etc. in other applications". The nice thing about using Rserve is that once you start the service, you don't need to have R running at all, if you are on a Windows machine. If you want to reduce memory usage, you would start R, load the Rserve library and start the Rserve service in the R environment.

How is Tableau integrating with R?



- R functions and models can now be used in Tableau by creating new calculated fields that dynamically invoke the R
 engine and pass values to R. The results are then returned back to Tableau for use by the Tableau visualization
 engine.
- Then establish a connection to Rserve from Tableau. This is done in Tableau via the top menu Help -> Settings and Performance -> Manage R connections.



How is Tableau integrating with R?





- Enter or select a server name using a domain or an IP address. The drop-down list includes localhost and the server
 you most recently connected to.
- Specify a port. Port 6311 is the default port for Rserve servers.
- If the server requires credentials, specify a Username and Password.
- 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.