# Installation Guide

To use Xgboost Framework, We need R, Rtools, Rstudio.

R- The **R** language is widely used among statisticians and data miners for developing statistical software and data analysis. Polls, surveys of data miners, and studies of scholarly literature databases show that **R's** popularity has increased substantially in recent years. **R** is a GNU package.

RTOOLS- It provides build facility to RStudio

**RSTUDIO-** RStudio is a free and open-source integrated development environment (IDE) for R, a programming language for statistical computing and graphics. RStudio was founded by JJ Allaire, creator of the programming language ColdFusion. Hadley Wickham is the Chief Scientist at RStudio.
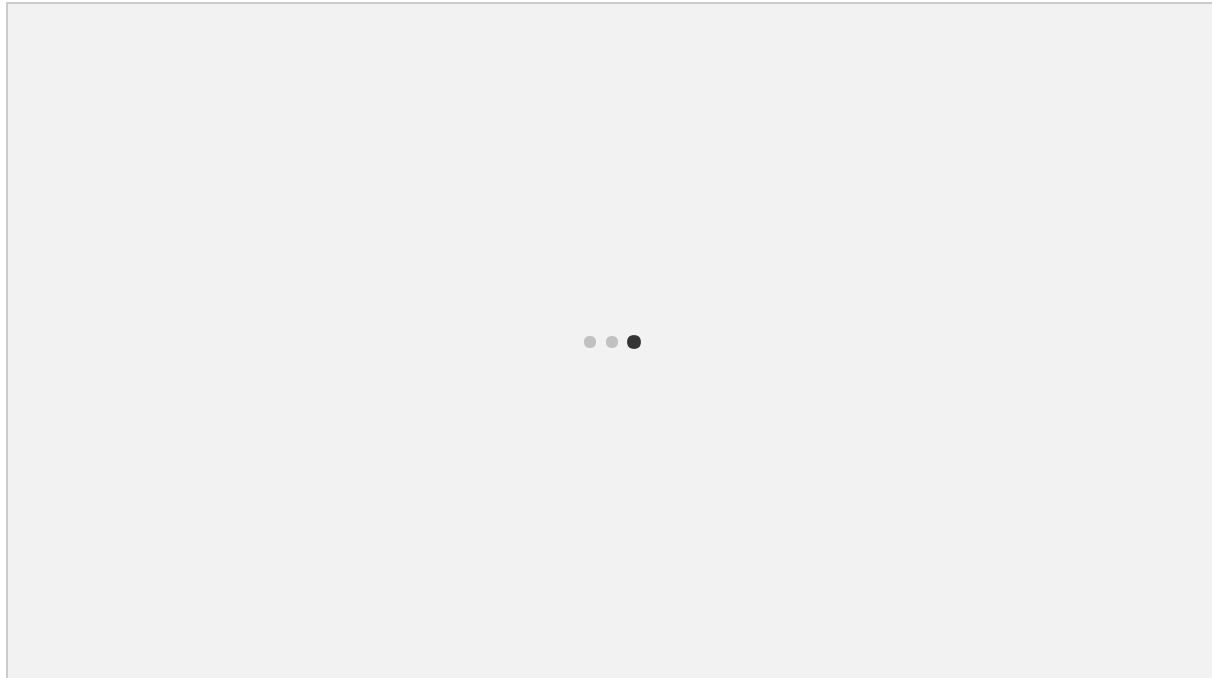
**RStudio is available in two editions: RSTudio Desktop and RStudio Server. We are using RStudio Desktop**

**R & Rtools are the dependencies to use the Rstudio, Rstudio is an IDE for using R. Install these three software as follow**

1) R
https://cran.r-project.org/bin/windows/base/R-3.4.1-win.exe

2) RTool---- Check  the checkbox to add the path

https://cran.r-project.org/bin/windows/Rtools/Rtools32.exe

3)
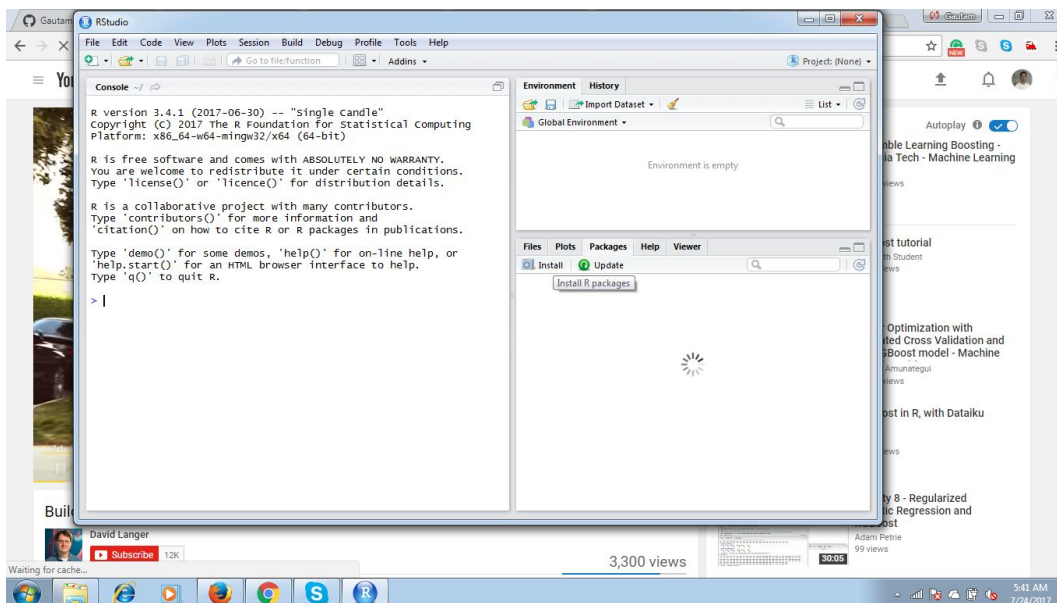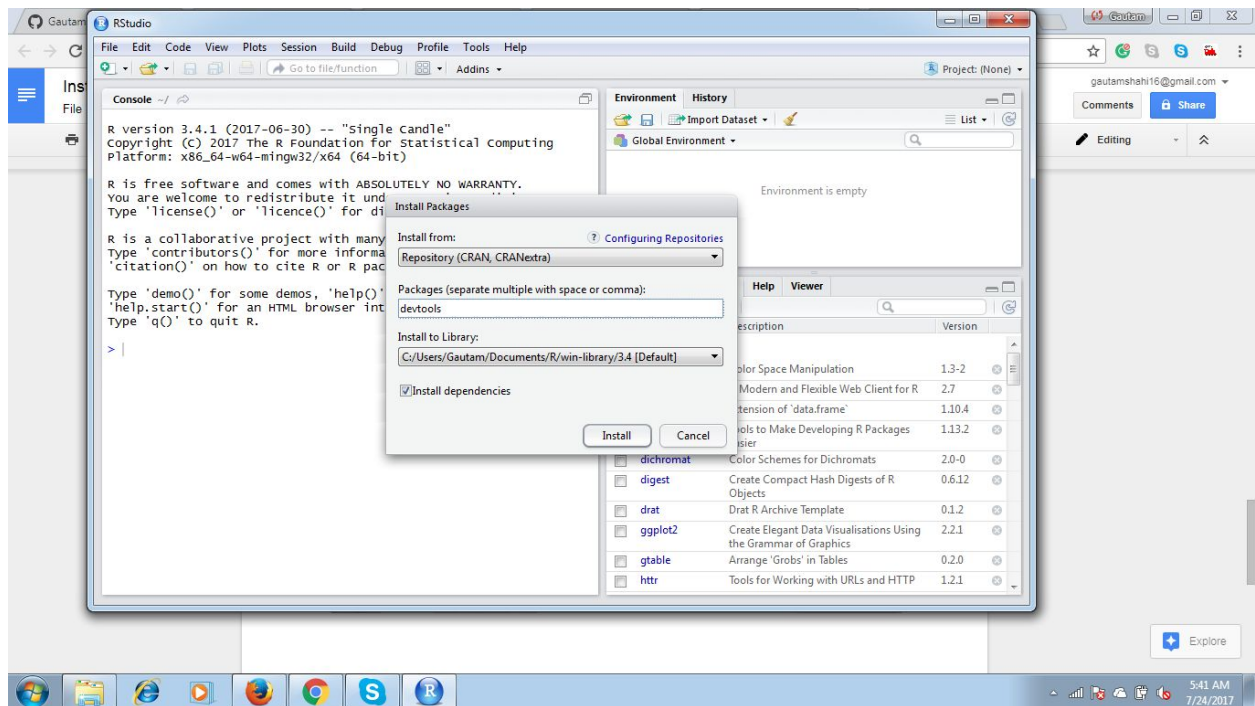https://download1.rstudio.org/RStudio-1.0.153.exe

Now open the Rstudio and follow the steps

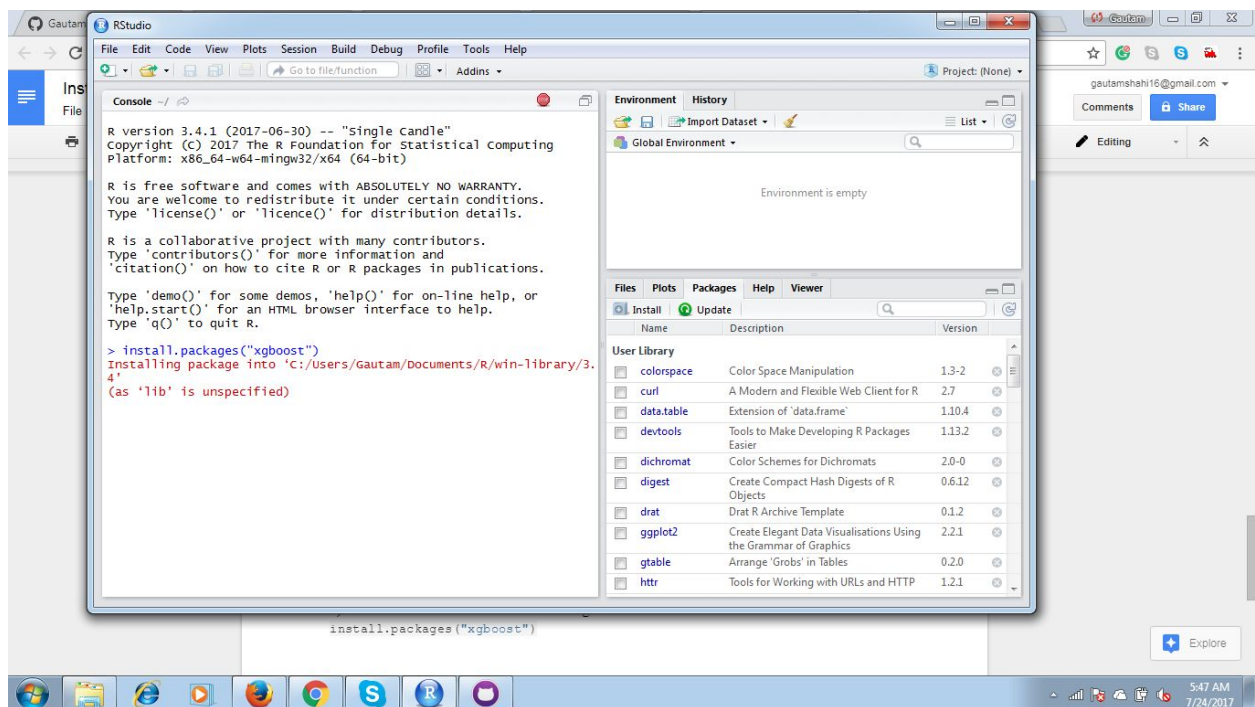1) Click on Install to install the package

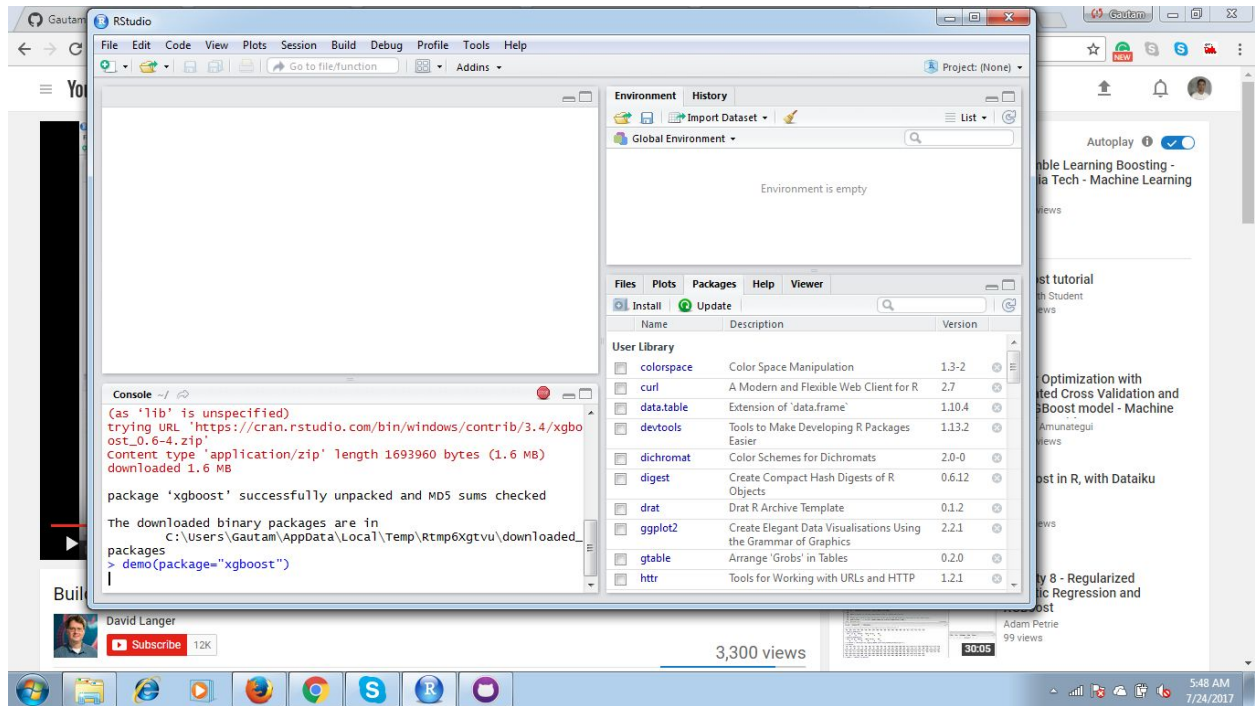## 2) Install devtools package



## 3) Come to the command line and install Xgboost
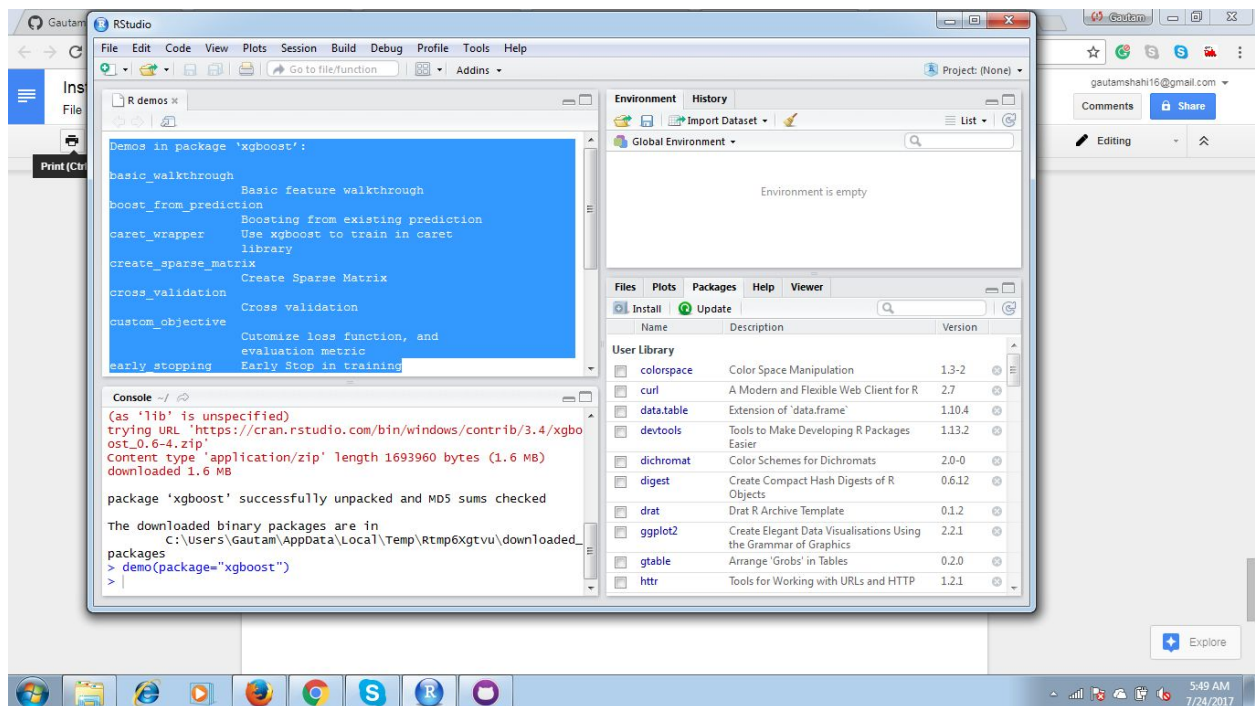
```
install.packages("xgboost")
```

4) Too see the list of demo examples run the command



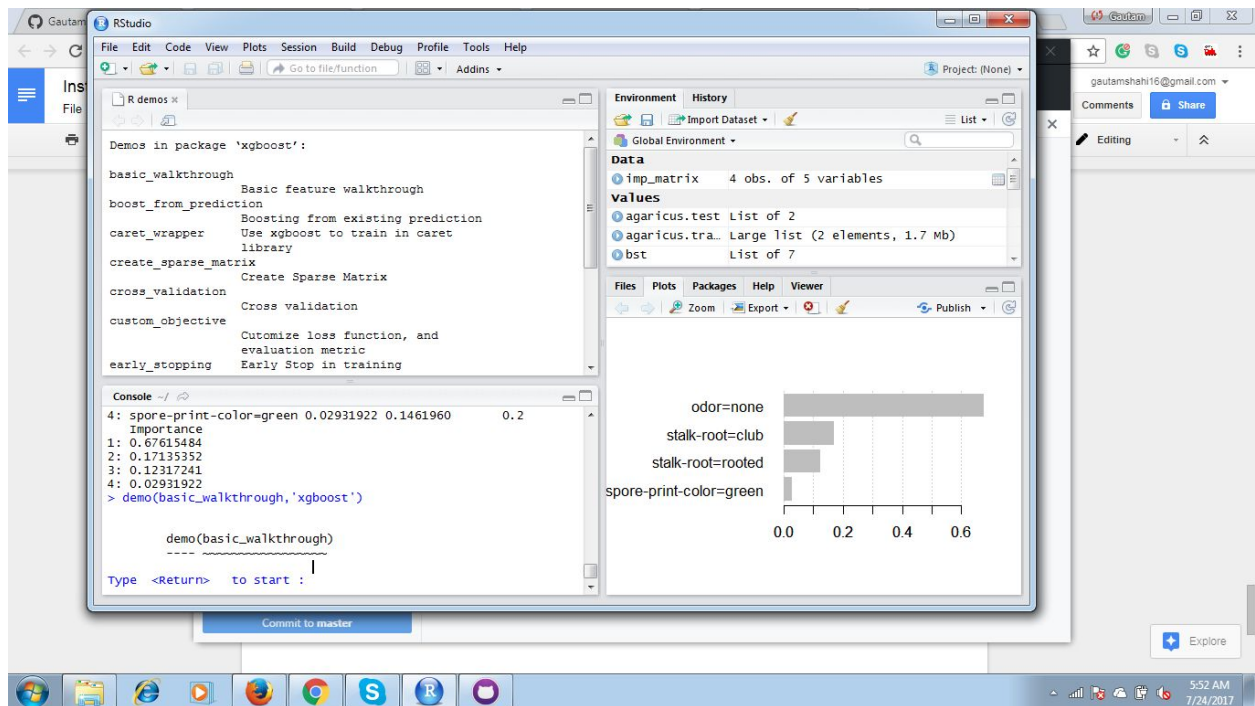A new window R_demo opened in the top (Below the taskbar). See Highlighted Part

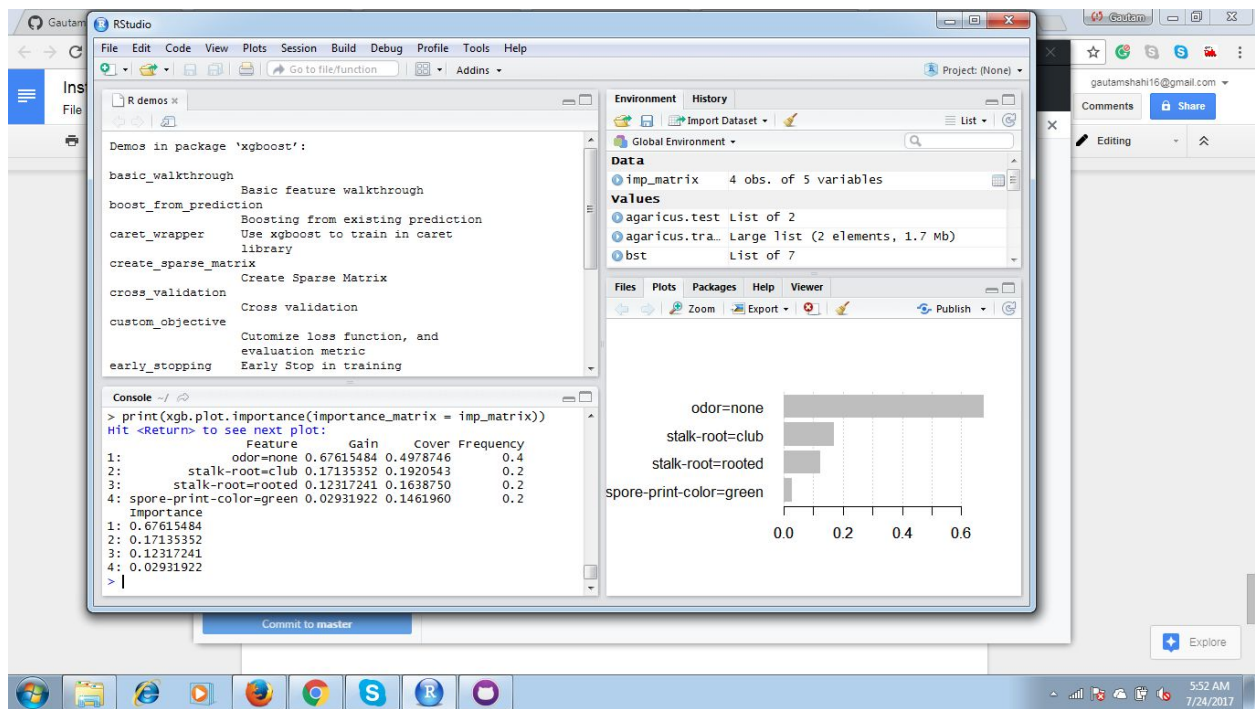4) Run all the demo examples to see the output, you can copy the example name from the top r_demo

**Syntax demo(example_name,'xgboost')**

Run the first example
demo(basic_walkthrough,'xgboost') and click enter to start

**See the output**



You can run other examples similarly and the start playing with your own data.