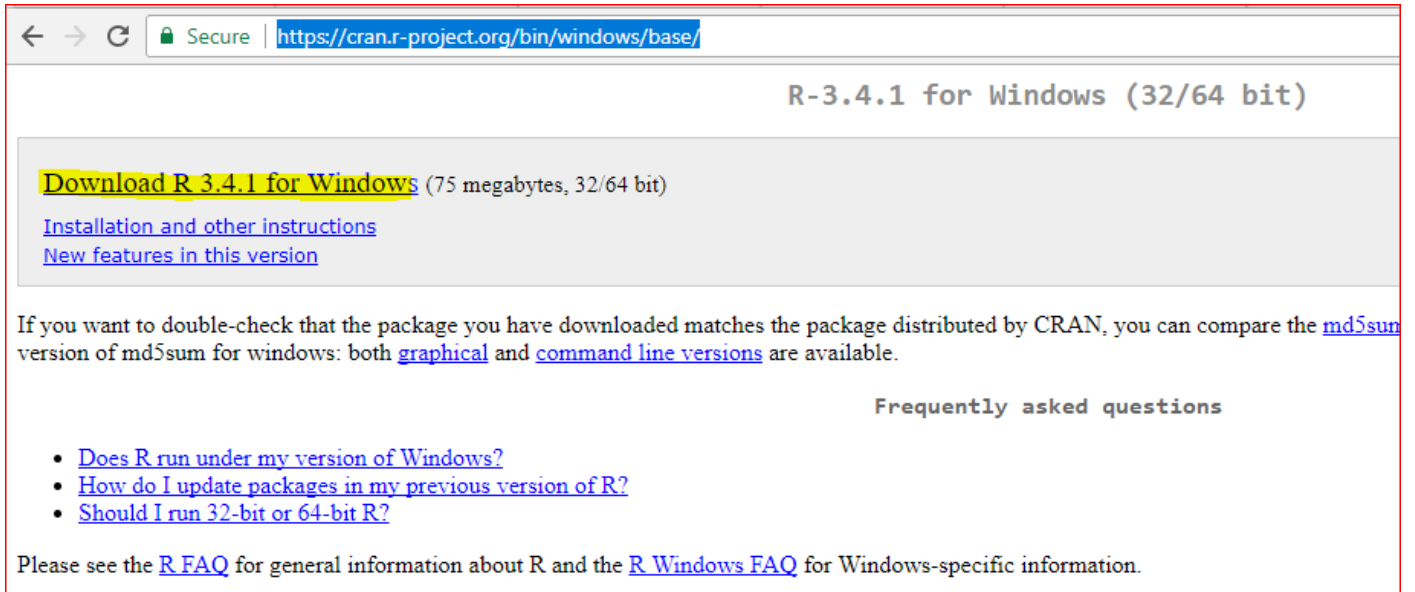


Assignment2.1 : Install R base and R Studio on desktop and install Swirl

Step 1: goto URL <https://cran.r-project.org/bin/windows/base/> to download R base. Click on highlighted link.



The screenshot shows the CRAN website for downloading R 3.4.1 for Windows (32/64 bit). The page title is "R-3.4.1 for Windows (32/64 bit)". The main content area has a highlighted link "Download R 3.4.1 for Windows" (75 megabytes, 32/64 bit). Below this link are two sub-links: "Installation and other instructions" and "New features in this version". A paragraph states: "If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the md5sum version of md5sum for windows: both [graphical](#) and [command line versions](#) are available." Below this is a section titled "Frequently asked questions" with three bullet points: "Does R run under my version of Windows?", "How do I update packages in my previous version of R?", and "Should I run 32-bit or 64-bit R?". At the bottom, it says: "Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information."

R-3.4.1 for Windows (32/64 bit)

Download R 3.4.1 for Windows (75 megabytes, 32/64 bit)

[Installation and other instructions](#)

[New features in this version](#)

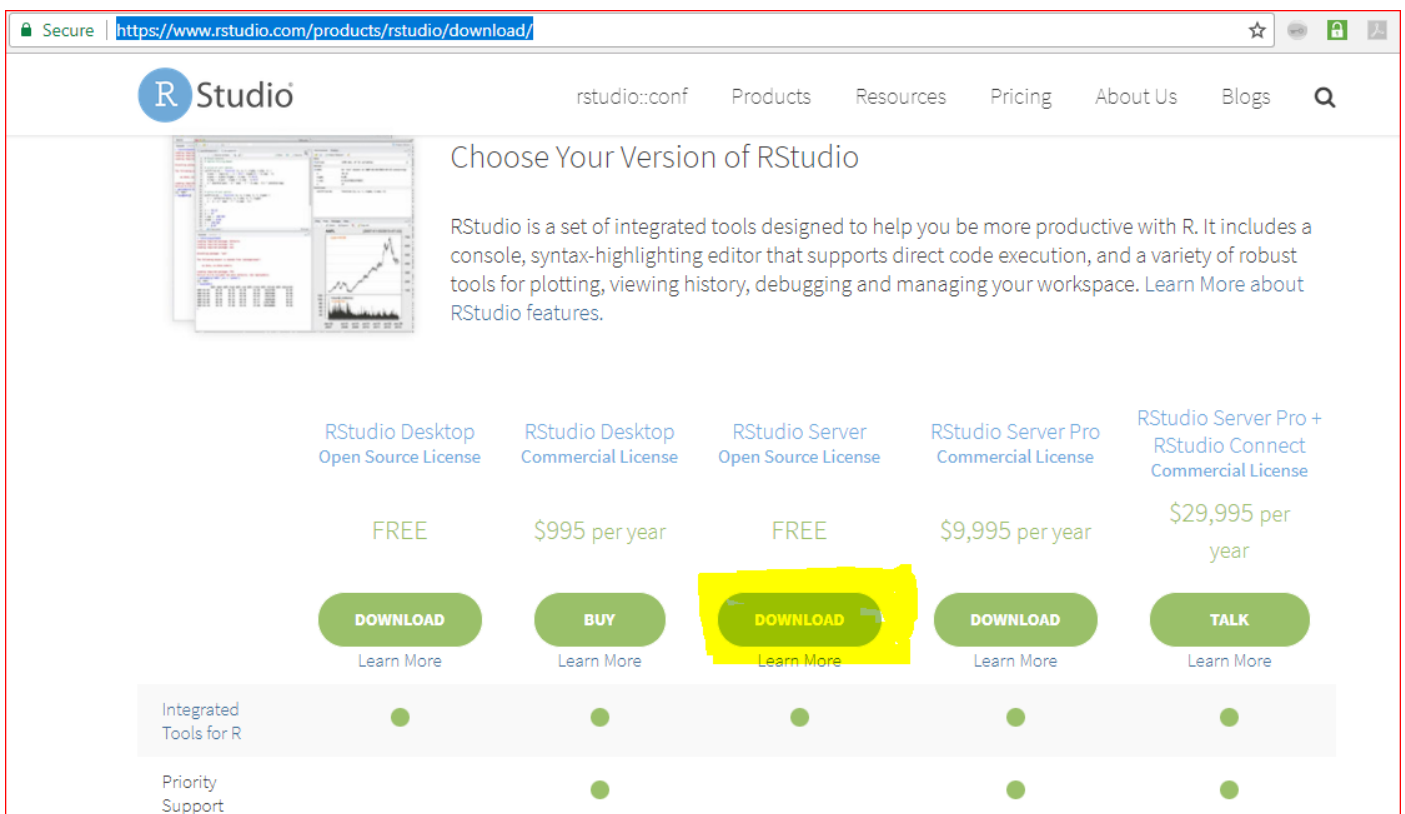
If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the [md5sum](#) version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

Frequently asked questions

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)
- [Should I run 32-bit or 64-bit R?](#)

Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

Step 2: Goto URL <https://www.rstudio.com/products/rstudio/download/> to download R studio. Click on highlighted link.



The screenshot shows the RStudio website's download page. The header includes the RStudio logo and navigation links: "rstudio::conf", "Products", "Resources", "Pricing", "About Us", and "Blogs". The main heading is "Choose Your Version of RStudio". Below this is a description of RStudio as a set of integrated tools. The page features five product cards with their respective licenses, prices, and download/buy links. The "RStudio Server Open Source License" card is highlighted with a yellow box. At the bottom, there is a comparison table for features like "Integrated Tools for R" and "Priority Support".

RStudio



rstudio::conf Products Resources Pricing About Us Blogs

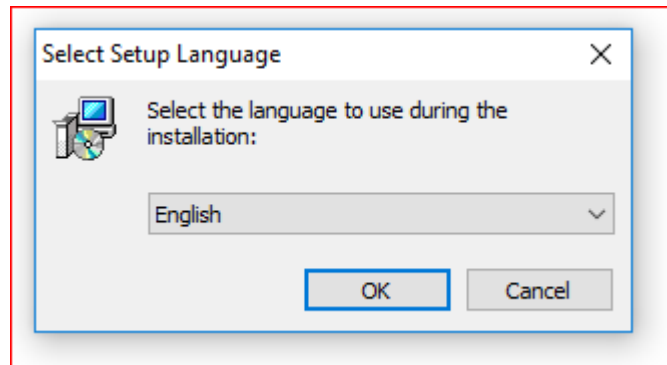
Choose Your Version of RStudio

RStudio is a set of integrated tools designed to help you be more productive with R. It includes a console, syntax-highlighting editor that supports direct code execution, and a variety of robust tools for plotting, viewing history, debugging and managing your workspace. [Learn More](#) about RStudio features.

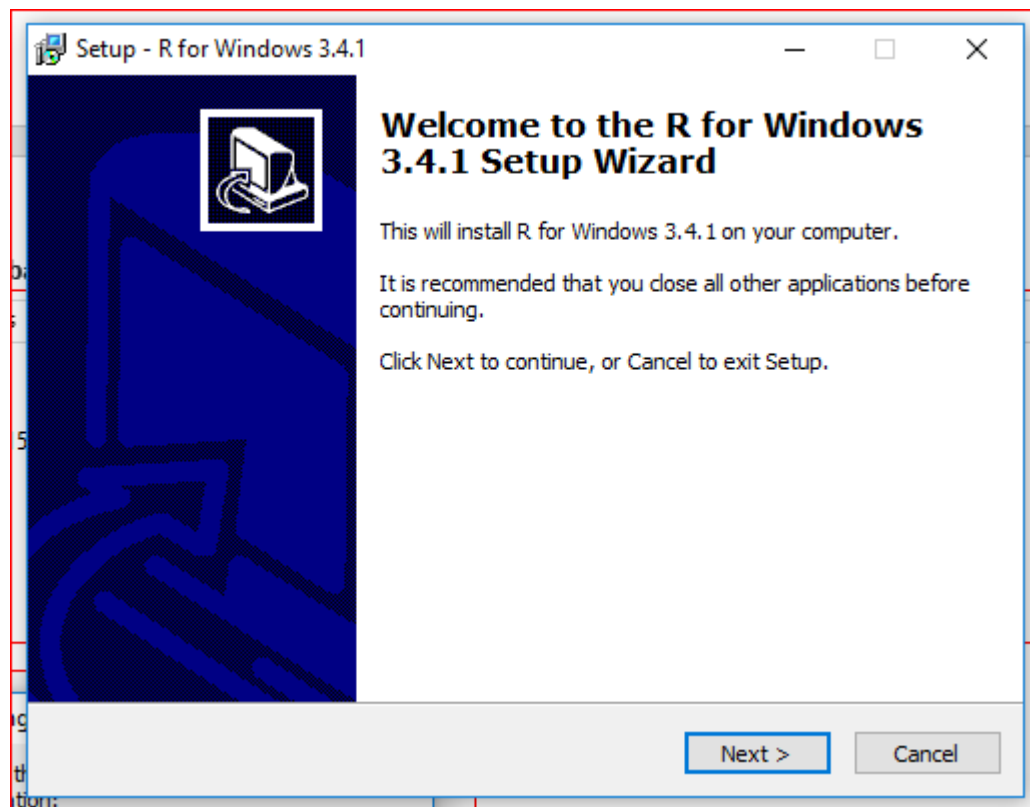
	RStudio Desktop Open Source License	RStudio Desktop Commercial License	RStudio Server Open Source License	RStudio Server Pro Commercial License	RStudio Server Pro + RStudio Connect Commercial License
Price	FREE	\$995 per year	FREE	\$9,995 per year	\$29,995 per year
Action	DOWNLOAD Learn More	BUY Learn More	DOWNLOAD Learn More	DOWNLOAD Learn More	TALK Learn More
Integrated Tools for R	●	●	●	●	●
Priority Support		●		●	●

Step 3: Install R base first from the downloaded files

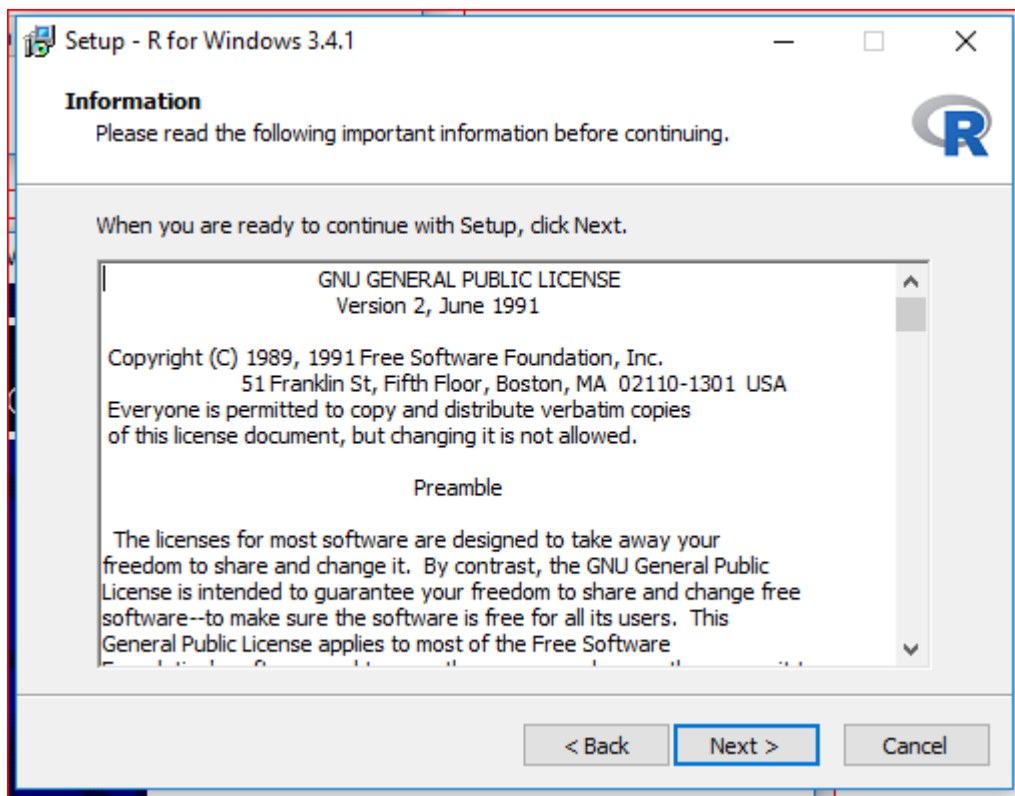
PC > Downloads > R Setup				
Name	Date modified	Type	Size	
 RStudio-1.0.153	13-09-2017 14:22	Compressed (zipp...	1,20,372 KB	
 R-3.4.1-win	13-09-2017 14:21	Application	76,257 KB	



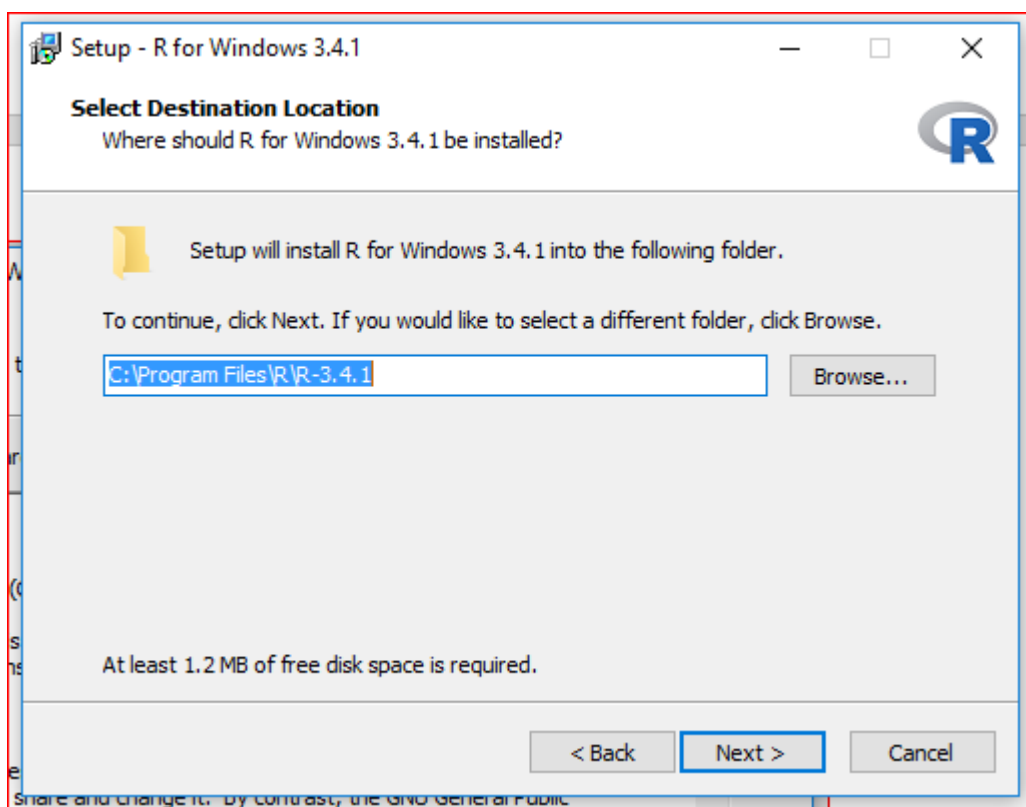
Click on OK



Click on Next

































Accept the license agreement and click on next.



Click on next and finish the setup.

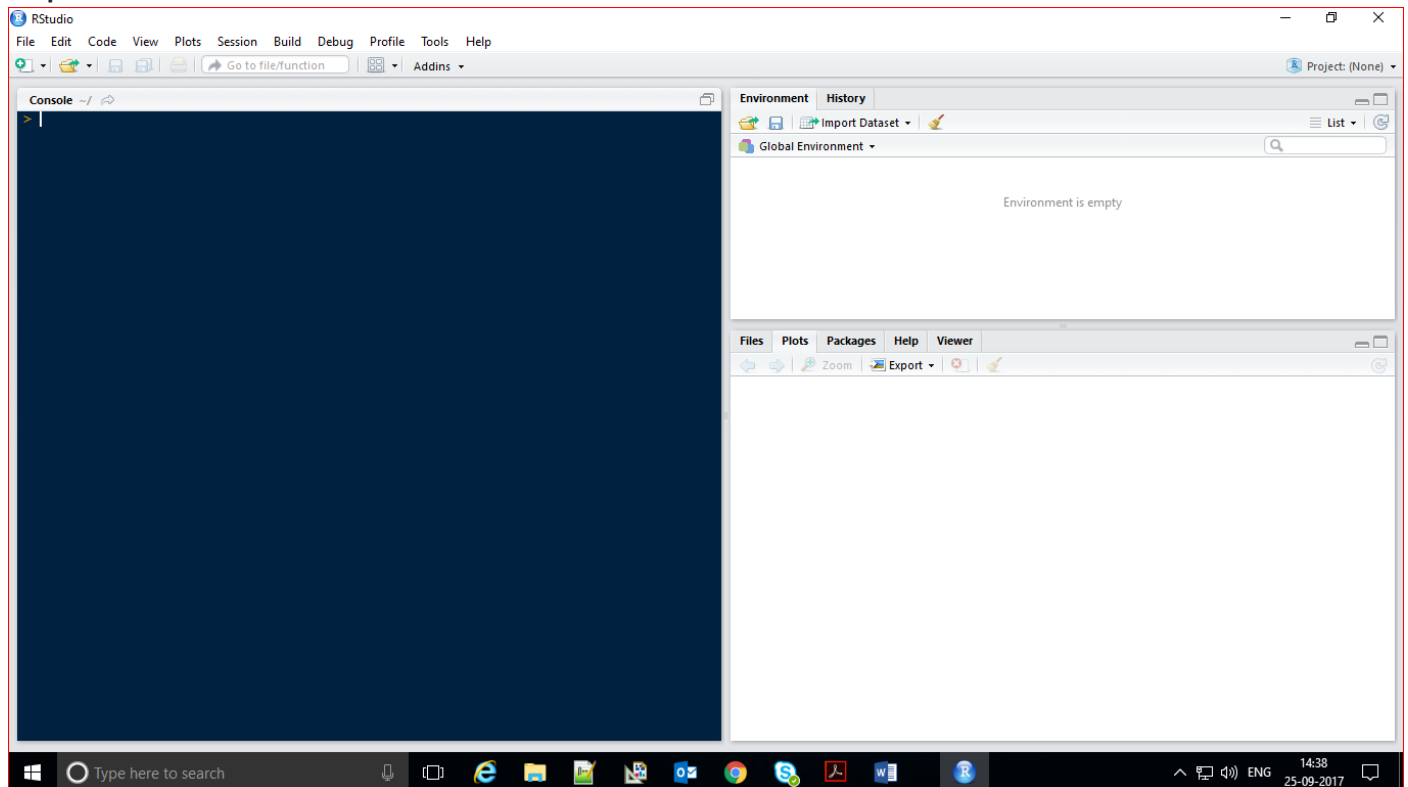
Step 4: Install R studio from the zip file downloaded. Unzip the file on the required location.

C:\Users\yogesh.r.patel\Documents\RStudio-1.0.153\bin

Share		View		
 > This PC > Documents > RStudio-1.0.153 > bin				
Name	Date modified	Type	Size	
 rsession	13-09-2017 14:23	Application extens...	4,075 KB	
 libgcc_s_dw2-1.dll	13-09-2017 14:23	Application extens...	118 KB	
 libstdc++-6.dll	13-09-2017 14:23	Application extens...	1,003 KB	
 libwinpthread-1.dll	13-09-2017 14:23	Application extens...	48 KB	
 qt.conf	13-09-2017 14:23	CONF File	0 KB	
 Qt5Core.dll	13-09-2017 14:23	Application extens...	4,717 KB	
 Qt5Gui.dll	13-09-2017 14:23	Application extens...	5,097 KB	
 Qt5Multimedia.dll	13-09-2017 14:23	Application extens...	766 KB	
 Qt5MultimediaWidgets.dll	13-09-2017 14:23	Application extens...	108 KB	
 Qt5Network.dll	13-09-2017 14:23	Application extens...	1,478 KB	
 Qt5OpenGL.dll	13-09-2017 14:23	Application extens...	328 KB	
 Qt5Positioning.dll	13-09-2017 14:23	Application extens...	224 KB	
 Qt5PrintSupport.dll	13-09-2017 14:23	Application extens...	345 KB	
 Qt5Qml.dll	13-09-2017 14:23	Application extens...	4,033 KB	
 Qt5Quick.dll	13-09-2017 14:23	Application extens...	3,631 KB	
 Qt5Sensors.dll	13-09-2017 14:23	Application extens...	195 KB	
 Qt5Sql.dll	13-09-2017 14:23	Application extens...	253 KB	
 Qt5Svg.dll	13-09-2017 14:23	Application extens...	322 KB	
 Qt5WebChannel.dll	13-09-2017 14:23	Application extens...	115 KB	
 Qt5WebKit.dll	13-09-2017 14:23	Application extens...	32,529 KB	
 Qt5WebKitWidgets.dll	13-09-2017 14:23	Application extens...	267 KB	
 Qt5Widgets.dll	13-09-2017 14:23	Application extens...	6,321 KB	
 Qt5Xml.dll	13-09-2017 14:23	Application extens...	233 KB	
 Qt5XmlPatterns.dll	13-09-2017 14:23	Application extens...	3,609 KB	
 rpostback	13-09-2017 14:23	Application	7,075 KB	
 rsession	13-09-2017 14:23	Application	23,213 KB	
 rsinverse	13-09-2017 14:23	Application	7,107 KB	
 rstudio	13-09-2017 14:24	Application	8,020 KB	
 urlopener	13-09-2017 14:23	Application	5,689 KB	

Click on highlighted rstudio icon to launch R studio.

Step 5: Launch R Studio.



Execute command in console: `install.packages("swirl")`


```
Console ~/
> install.packages("swirl")
Installing package into 'C:/Users/yogesh.r.patel/Documents/R/win-library/3.4'
(as 'lib' is unspecified)
also installing the dependencies 'stringi', 'magrittr', 'crayon',
'praise', 'jsonlite', 'mime', 'curl', 'openssl', 'bitops', 'stringr',
'testthat', 'httr', 'yaml', 'RCurl', 'digest'

trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.4/swirl_2.4.3.zip'
Content type 'application/zip' length 236535 bytes (230 KB)
downloaded 230 KB

package 'stringi' successfully unpacked and MD5 sums checked
package 'magrittr' successfully unpacked and MD5 sums checked
package 'crayon' successfully unpacked and MD5 sums checked
package 'praise' successfully unpacked and MD5 sums checked
package 'jsonlite' successfully unpacked and MD5 sums checked
package 'mime' successfully unpacked and MD5 sums checked
package 'curl' successfully unpacked and MD5 sums checked
package 'openssl' successfully unpacked and MD5 sums checked
package 'bitops' successfully unpacked and MD5 sums checked
package 'stringr' successfully unpacked and MD5 sums checked
package 'testthat' successfully unpacked and MD5 sums checked
package 'httr' successfully unpacked and MD5 sums checked
package 'yaml' successfully unpacked and MD5 sums checked
package 'RCurl' successfully unpacked and MD5 sums checked
package 'digest' successfully unpacked and MD5 sums checked
package 'swirl' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
  C:\Users\yogesh.r.patel\AppData\Local\Temp\Rtmp2Z0oPL\downloaded_packages
> |
```


Execute command in console: `library("swirl")`

```
Console ~/ 
> library("swirl")

| Hi! Type swirl() when you are ready to begin.

> |
```

Execute command in console: `swirl()` and interact based on the questions and options prompted:

```
Console ~/ 
> swirl()

| Welcome to swirl! Please sign in. If you've been here
| before, use the same name as you did then. If you are new,
| call yourself something unique.

What shall I call you? YRC

| Thanks, YRC. Let's cover a couple of quick housekeeping
| items before we begin our first lesson. First of all, you
| should know that when you see '...', that means you should
| press Enter when you are done reading and ready to continue.

... <-- That's your cue to press Enter to continue

| Also, when you see 'ANSWER:', the R prompt (>), or when you
| are asked to select from a list, that means it's your turn
| to enter a response, then press Enter to continue.

Select 1, 2, or 3 and press Enter



1: Continue.
2: Proceed.
3: Let's get going!

Selection: 1|
```

Step 6: download .zip course manually form https://github.com/swirldev/swirl_courses

Run command below command:


`install_course_zip("C:/Users/yogesh.r.patel/Downloads/R Setup/swirl_courses-master.zip", multi=TRUE, which_course="R Programming")`

```
Console ~/  
> install_course_zip("C:/Users/yogesh.r.patel/Downloads/R Setup/swirl_courses-master.zip", multi=
TRUE, which_course="R Programming")

| Course installed successfully!

> |
```

Select the respective option to begin learning from swirl.

```
Console ~/ 
> install_course_zip("C:/Users/yogesh.r.patel/Downloads/R Setup/swirl_courses-master.zip", multi=
TRUE, which_course="R Programming")

| Course installed successfully!

> swirl()

| Welcome to swirl! Please sign in. If you've been here before, use the same name as you
| did then. If you are new, call yourself something unique.

What shall I call you? YRC

| Please choose a course, or type 0 to exit swirl.

1: R Programming
2: Take me to the swirl course repository!

Selection: 1

| Please choose a lesson, or type 0 to return to course menu.

1: Basic Building Blocks      2: Workspace and Files      3: Sequences of Numbers
4: Vectors                   5: Missing Values          6: Subsetting Vectors
7: Matrices and Data Frames  8: Logic                   9: Functions
10: lapply and sapply        11: vapply and tapply      12: Looking at Data
13: Simulation               14: Dates and Times        15: Base Graphics

Selection: |
```

Happy Learning.