

# How to Clear All Plots in RStudio (With Example)

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## RECOMMENDED CITATION

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In RStudio, you can clear all plots by using the command `rm(list = ls())`. This command will delete all objects that are currently stored in the environment. An example of how to use this command is: `rm(list = ls())`. This will clear all currently stored plots and make the RStudio environment ready for the next set of plots.

You can use the following basic syntax to clear all plots in RStudio:

**`dev.off(dev.list())`**

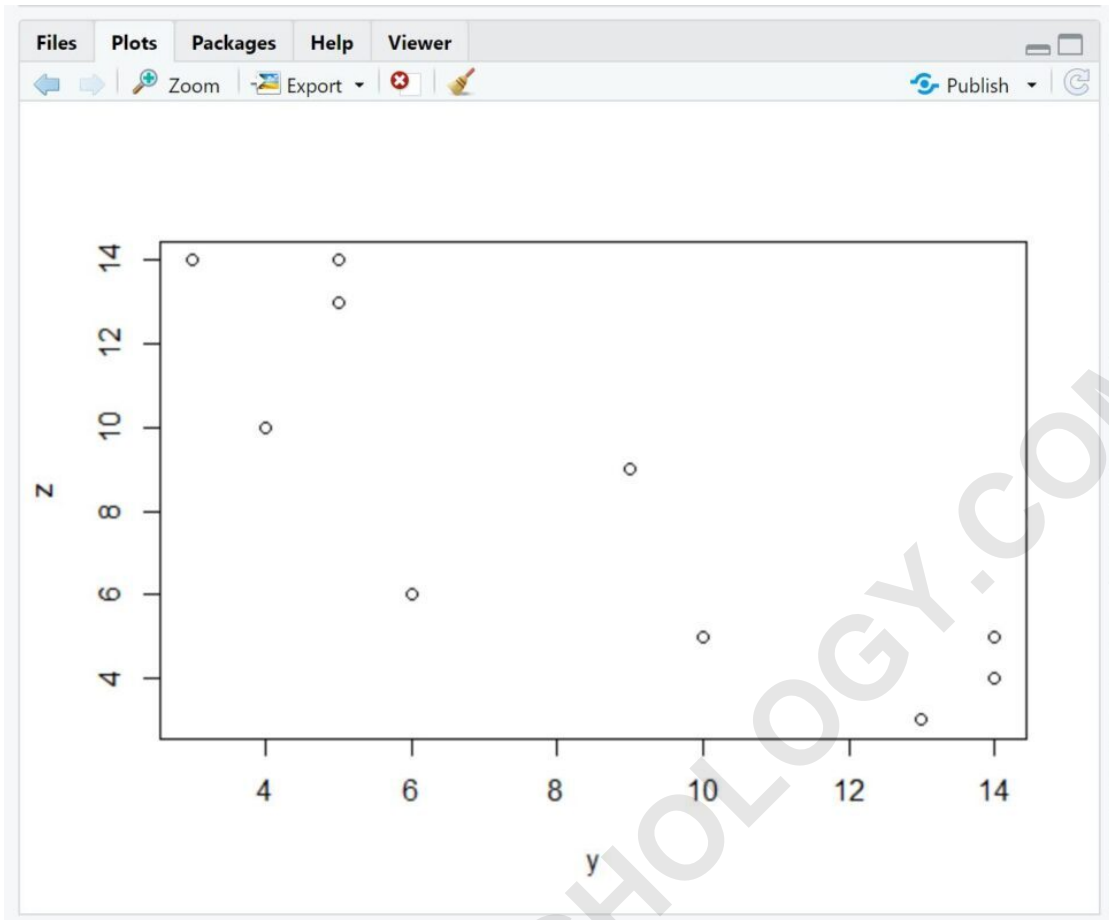
The following examples show how to use this syntax in practice.

### Example 1: Clear All Plots in RStudio

Suppose we use the following code to create three different scatterplots in RStudio:

```
#create some vectors  
x <- c(1, 1, 3, 4, 6, 7, 9, 10, 14, 19)  
y <- c(3, 5, 5, 4, 6, 9, 10, 14, 13, 14)  
z <- c(14, 14, 13, 10, 6, 9, 5, 4, 3, 5)  
  
#create several scatterplots  
plot(x, y)  
plot(x, z)  
plot(y, z)
```

We can view each of these scatterplots in the plotting window in RStudio:

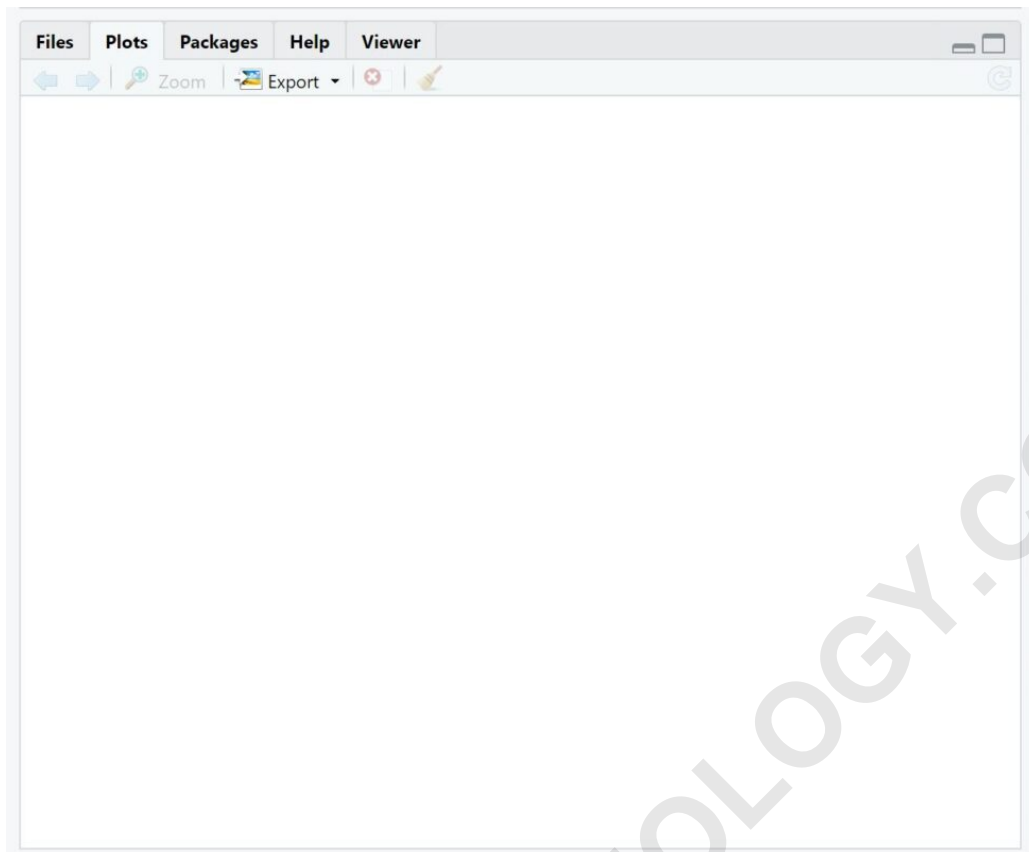


We can use the blue arrows in the top left corner of the plotting window to scroll through the various plots we created.

We can then use the following code to clear all plots from the RStudio environment:

```
#clear all plots  
dev.off(dev.list())
```

The plotting window will now be cleared of all plots:



## Example 2: Clear All Plots in RStudio (And Suppress Any Errors)

If there are no plots in RStudio and we attempt to clear all the plots, we will receive an error:

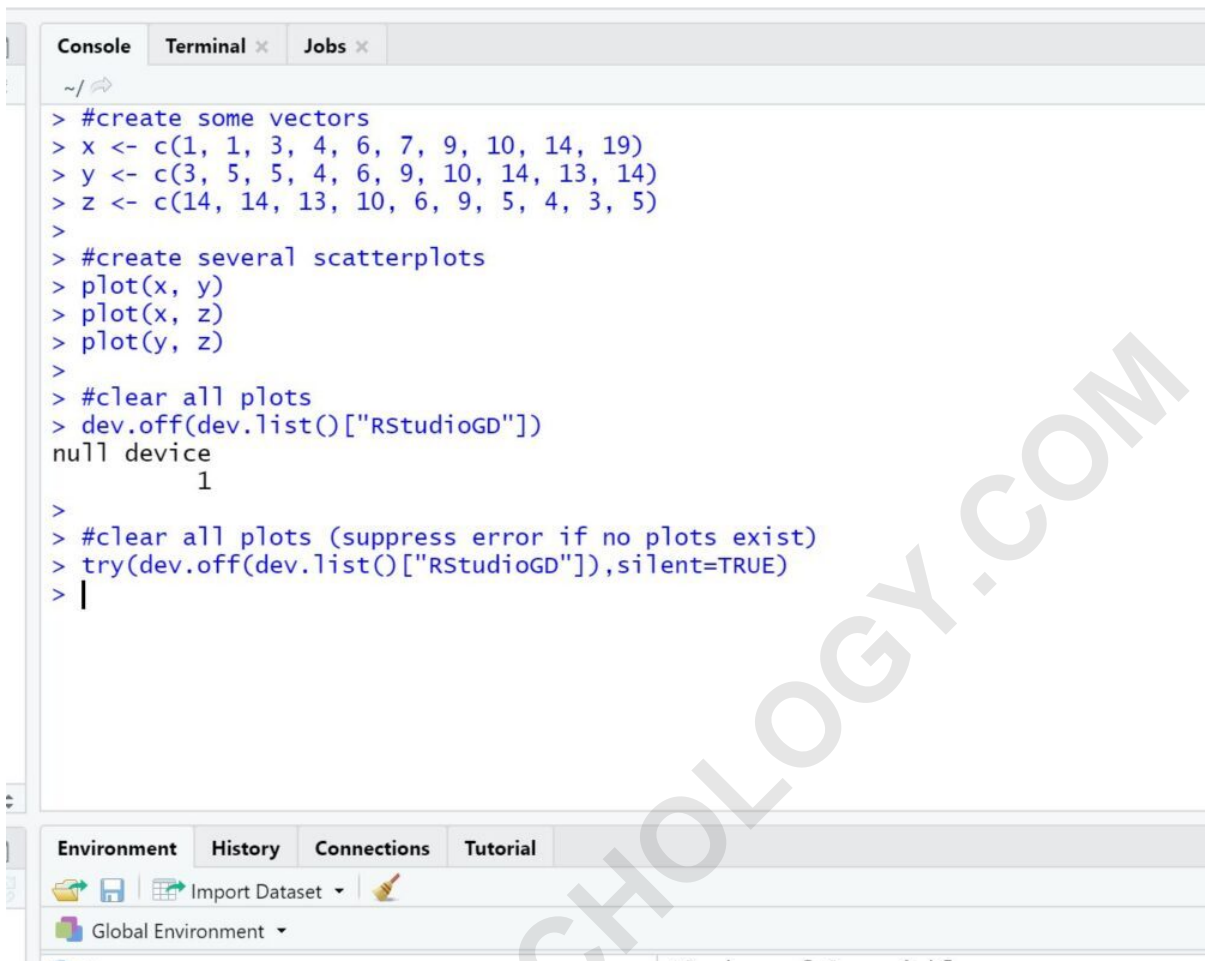
```
#attempt to clear all plots  
dev.off(dev.list())
```

```
Error in if (which == 1) stop("cannot shut down device 1 (the null device)" :  
argument is of length zeroan>))
```

However, we can use a **try()** statement to suppress this error:

```
#attempt to clear all plots (suppress error if not plots exist)  
try(dev.off(dev.list()), silent=TRUE)
```

This code will attempt to clear all plots from RStudio and if no plots exist, no error will be shown.



```
Console Terminal x Jobs x
~/
> #create some vectors
> x <- c(1, 1, 3, 4, 6, 7, 9, 10, 14, 19)
> y <- c(3, 5, 5, 4, 6, 9, 10, 14, 13, 14)
> z <- c(14, 14, 13, 10, 6, 9, 5, 4, 3, 5)
>
> #create several scatterplots
> plot(x, y)
> plot(x, z)
> plot(y, z)
>
> #clear all plots
> dev.off(dev.list()["RStudioGD"])
null device
      1
>
> #clear all plots (suppress error if no plots exist)
> try(dev.off(dev.list()["RStudioGD"]),silent=TRUE)
> |
```

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When this code is run in the console window, we receive no error even though there are no plots to clear.