

# How can I resolve the R error 'Invalid Graphics State' Fix in R'?

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## RECOMMENDED CITATION

stats writer (2024). *How can I resolve the R error 'Invalid Graphics State' Fix in R'?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=158170>

The error "Invalid Graphics State -Fix in R" refers to a problem encountered while trying to create or modify a graphic in the R programming language. This error can occur due to various reasons, such as incorrect syntax, missing packages, or incompatible graphics devices. To resolve this error, it is recommended to check for any errors in the code, ensure that all necessary packages are installed, and try using a different graphics device. Additionally, updating R and its packages to the latest versions may also help in resolving this issue.

## Fix in R: Invalid Graphics State (3 Solutions)

One error you may encounter in R is:

```
Error in .Call.graphics(C_palette2, .Call(C_palette2,
NULL)) :
```

```
invalid graphics state
```

This error may occur for three reasons:

1. You are creating plots in both base R and ggplot2 in the same session.
2. Your version of ggplot2 is not compatible with your version of R.
3. Your graphics settings are preventing new plots from being created.

This tutorial shares three methods you can use to resolve this error.

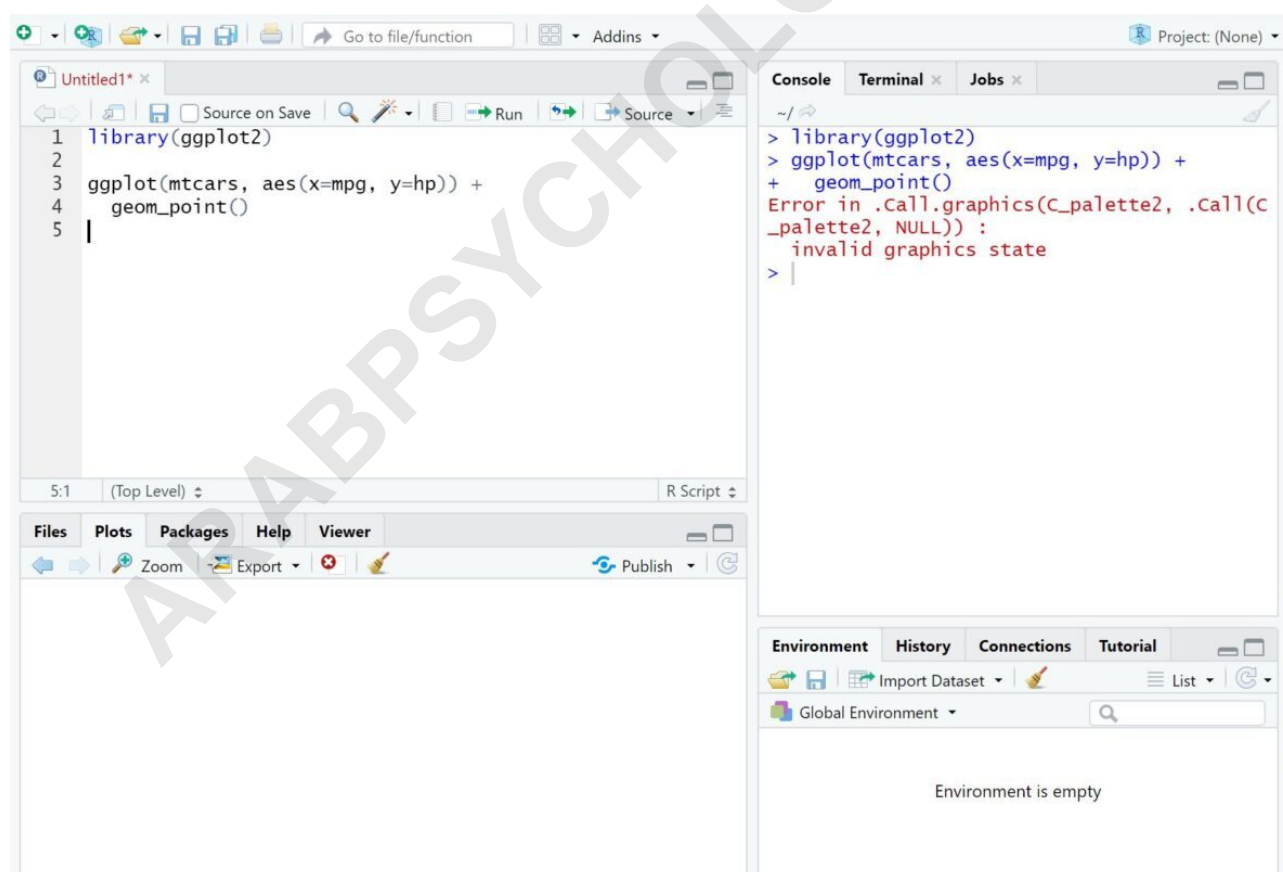
## How to Reproduce the Error

Suppose we attempt to create a scatterplot using the built-in dataset in R:

```
library(ggplot2)
```

```
#attempt to create scatterplot
```

```
ggplot(mtcars, aes(x=mpg, y=hp)) +  
geom_point()
```



We receive the invalid graphics state error, but it's not

**clear why.**

**The following three methods show how to troubleshoot this error.**

**Method #1: Fix the Error by Using dev.off()**

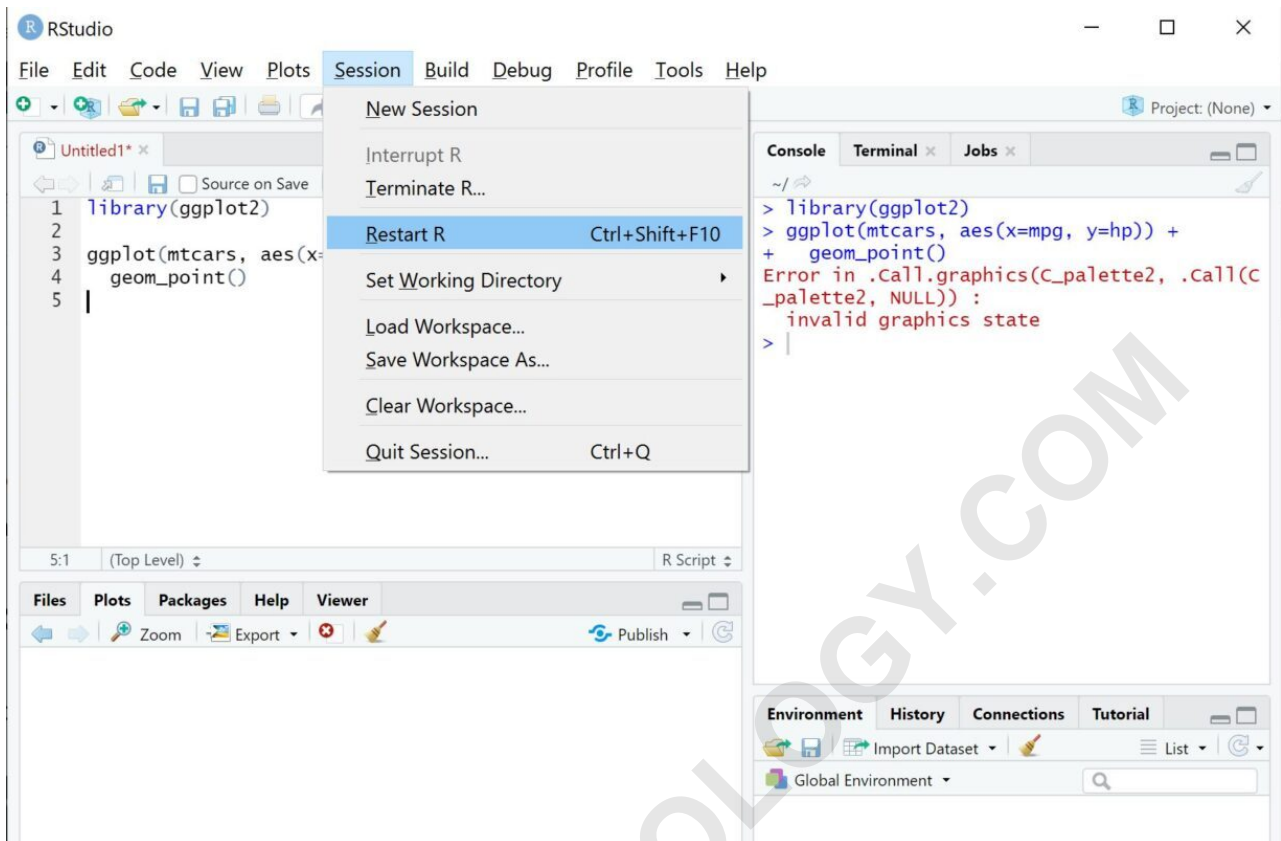
**The first method you should try (and the easiest method) is to simply use dev.off() to shut down the current plotting device.**

**dev.off()**

**You can then run your original code again to create the scatterplot.**

**Method #2: Fix the Error by Restarting RStudio**

**If the previous method didn't work, you can try restarting your RStudio session.**



In many cases, this can also fix the error because it clears out any previous plot settings that were interfering with your current plot.

**Method #3: Fix the Error by Reinstalling ggplot2**

If the previous two methods didn't work, you may need to uninstall and then reinstall ggplot2.

You can use the following syntax to uninstall your current version of ggplot2:

**#uninstall ggplot2**

```
remove.packages("ggplot2")
```

**You can then use the following syntax to install the latest version of ggplot2:**

```
#install ggplot2
```

```
install.packages("ggplot2")
```

**You can then run the code again to create the scatterplot:**

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**In most cases, we will now be able to create the plot without any errors.**

### **Additional Resources**

**The following tutorials explain how to fix other common problems in R:**