

RStudio interface showing a script editor, environment pane, and console.

Script Editor:

```
1 library(ggplot2)
2
3 NEI <- readRDS("summarySCC_PM25.rds")
4 SCC <- readRDS("Source_Classification_Code.rds")
5
6 vehicles_SCC <- SCC[grepl("Veh", SCC$SCC.Level.Two), ]$SCC
7
8 subset <- NEI[NEI$SCC %in% vehicles_SCC & NEI$fips %in% c('24510', '06037'), ]
9 subset$fips <- factor(subset$fips, c('24510', '06037'), labels=c('Baltimore', 'Los Angeles'))
10 agg_data <- aggregate(Emissions ~ fips + year, subset, FUN=sum)
11 png('plot6.png')
12 mainplot <- ggplot(agg_data, aes(x=year, y=Emissions, color=fips)) + geom_line()
13 mainplot <- mainplot + ggtitle(bquote(PM[2.5] : " vehicle emissions by year by city"))
14 print(mainplot)
15
16 dev.off()
17
18
19
```

Environment Pane:

Global Environment

Data

Variable	Class	Summary
df	data.frame	12 obs. of 2 variables
m1	integer	[1:2, 1:2] 1 2 3 4
matE	matrix	[1:6, 1:6] 1 0 0 0 0 0 0 0 ...

Values

Variable	Class	Summary
chr	character	[1:3] "chr1" "chr2" "chr1"
end	integer	[1:3] 7 5 3
groups	Factor	w/ 9 levels "[0,10]", "[10,20]", ...: 1 1 1...
l1	list	List of 1
l2	list	List of 1
source_num	integer	[1:10] 0 1 4 0 16 25 36 49 64 81

Files Plots Packages Help Viewer

Find in Topic

Error in find.package(package, lib.loc, verbose = verbose) :
there is no package called 'ggplot2'

Console:

```
Type 'license()' or 'licence()' for distribution details.

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[workspace loaded from ~/.Rdata]

Loading required package: GenomicRanges
Error in .requirePackage(package) :
  unable to find required package 'GenomicRanges'
In addition: warning message:
In library(package, lib.loc = lib.loc, character.only = TRUE, logical.return = TRUE, :
  there is no package called 'GenomicRanges'
>
```