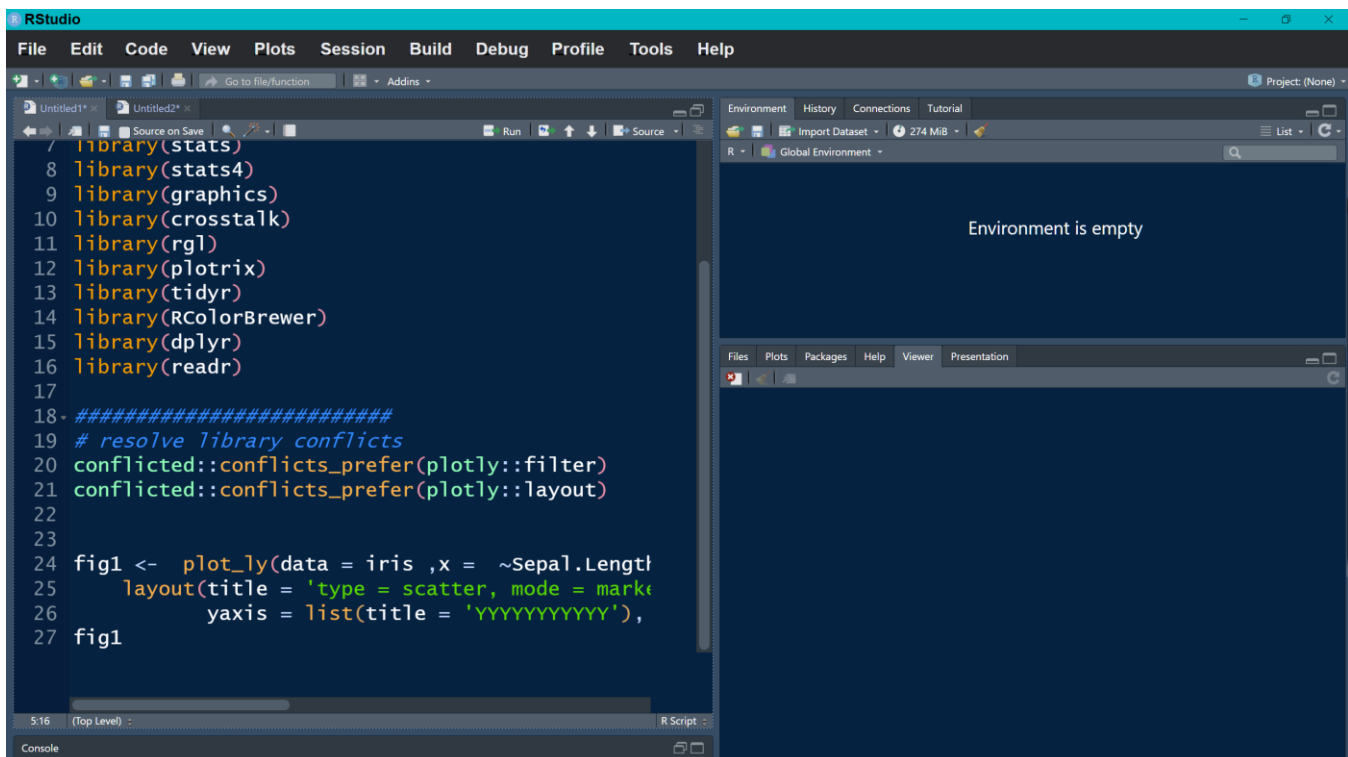
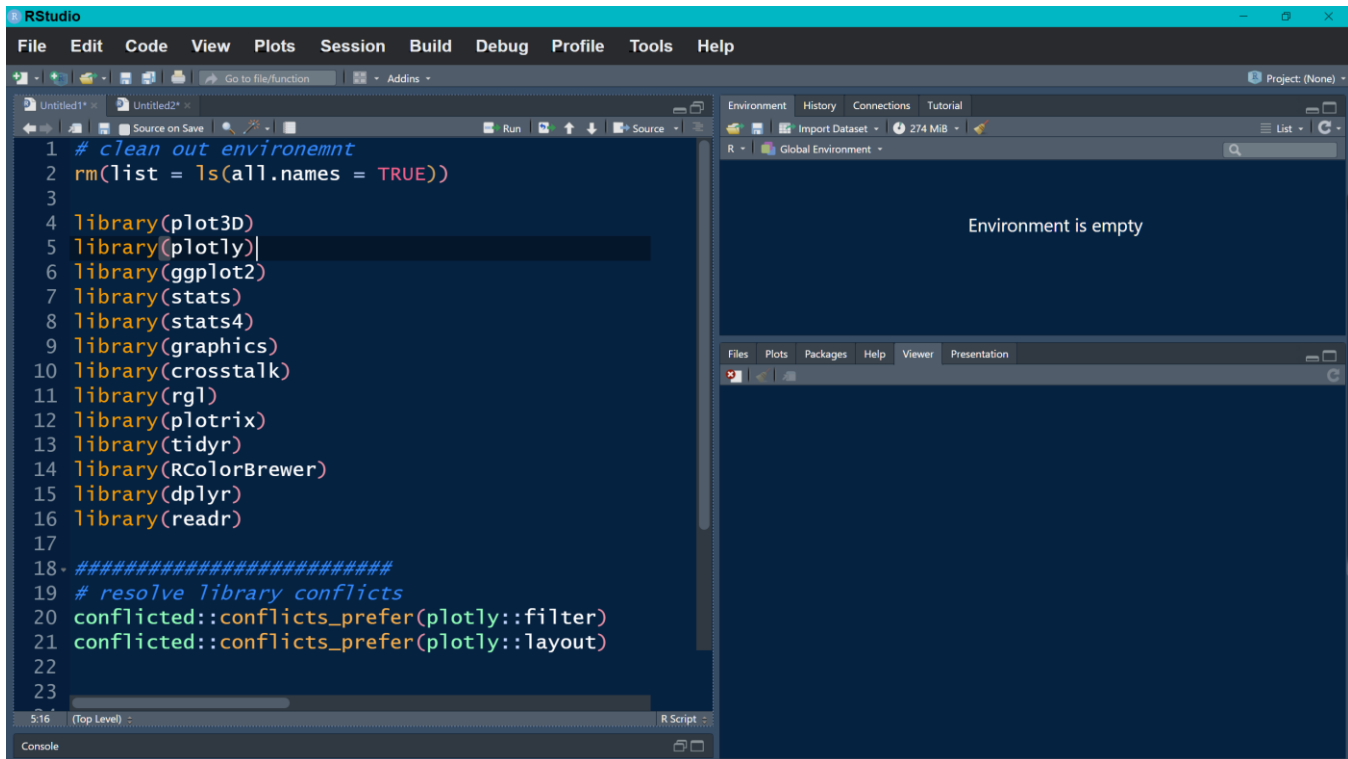


plotly axis labels

empty environment

cannot change the text for the x-axis and y-axis

good code - copied from web page



code of first run - good

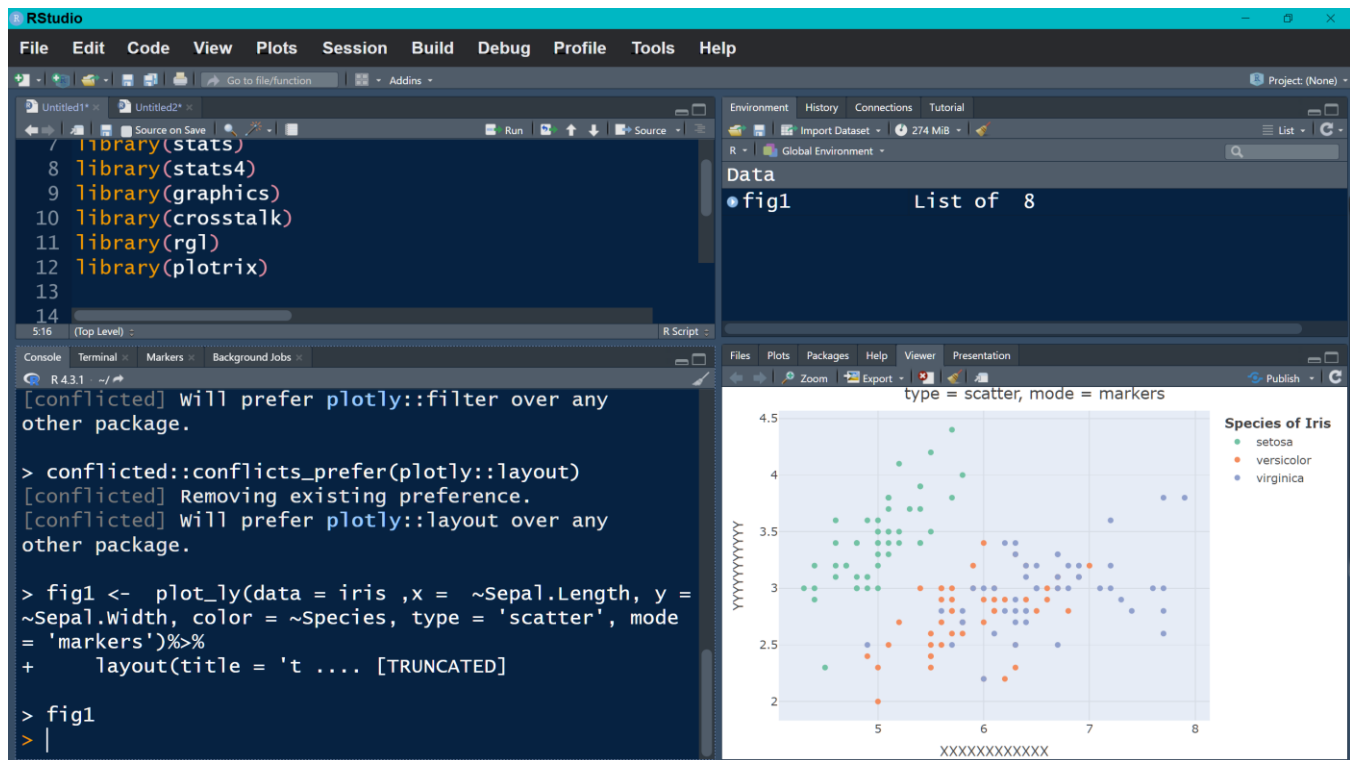
```
# clean out environemnt
rm(list = ls(all.names = TRUE))
```

```
library(plot3D)
library(plotly)
library(ggplot2)
library(stats)
library(stats4)
library(graphics)
library(crosstalk)
library(rgl)
library(plotrix)
library(tidyr)
library(RColorBrewer)
library(dplyr)
library(readr)
```

```
#####
# resolve library conflicts
conflicted::conflicts_prefer(plotly::filter)
conflicted::conflicts_prefer(plotly::layout)
```

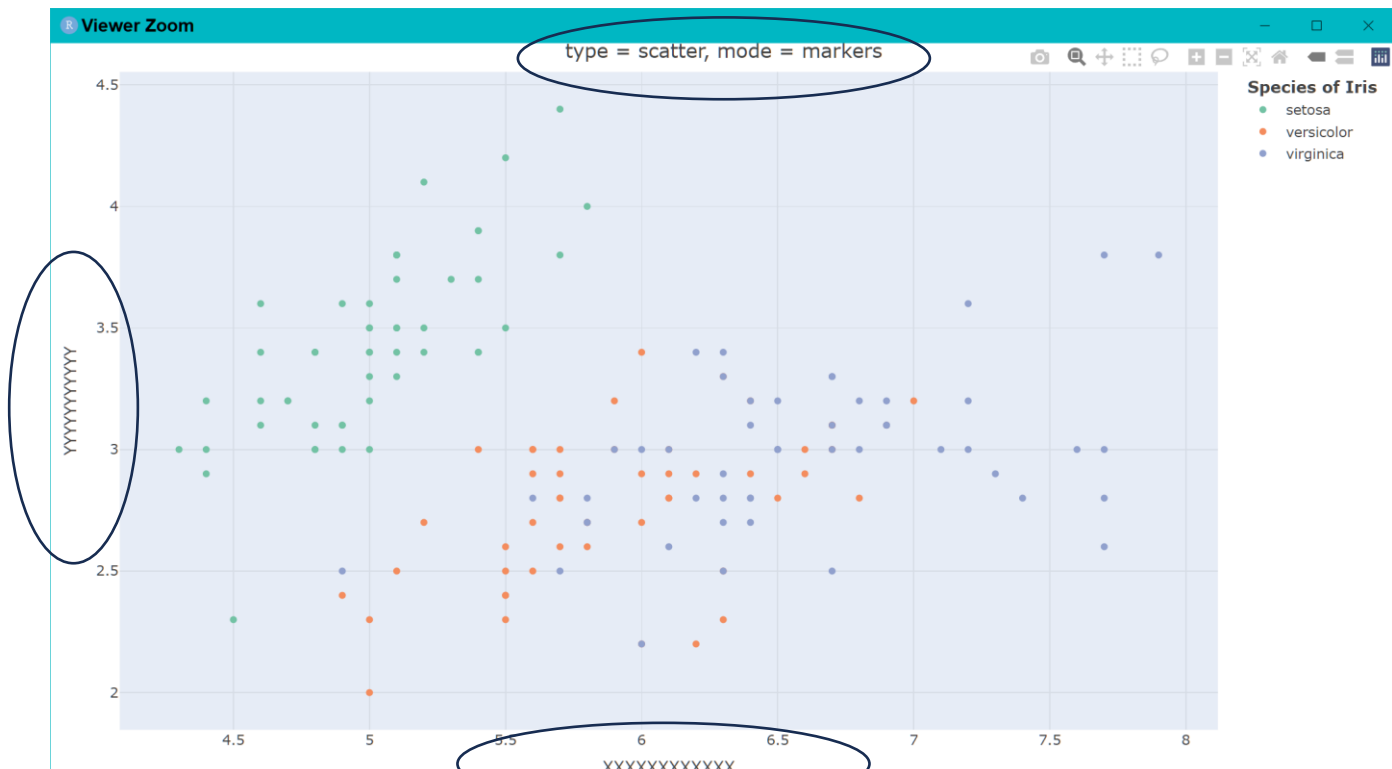
```
fig1 <- plot_ly(data = iris ,x = ~Sepal.Length, y = ~Sepal.Width, color =
~Species, type = 'scatter', mode = 'markers')%>%
  layout(title = 'type = scatter, mode = markers', plot_bgcolor = "#e5ecf6", xaxis =
list(title = 'XXXXXXXXXXXXX'),
  yaxis = list(title = 'YYYYYYYYYYY'), legend = list(title=list(text='<b> Species of
Iris </b>'))))
fig1
```

press 'source' button run code – no errors – plot is produced OK



press 'zoom', resize to fit screen

title and xaxis and yaxis labels are correct

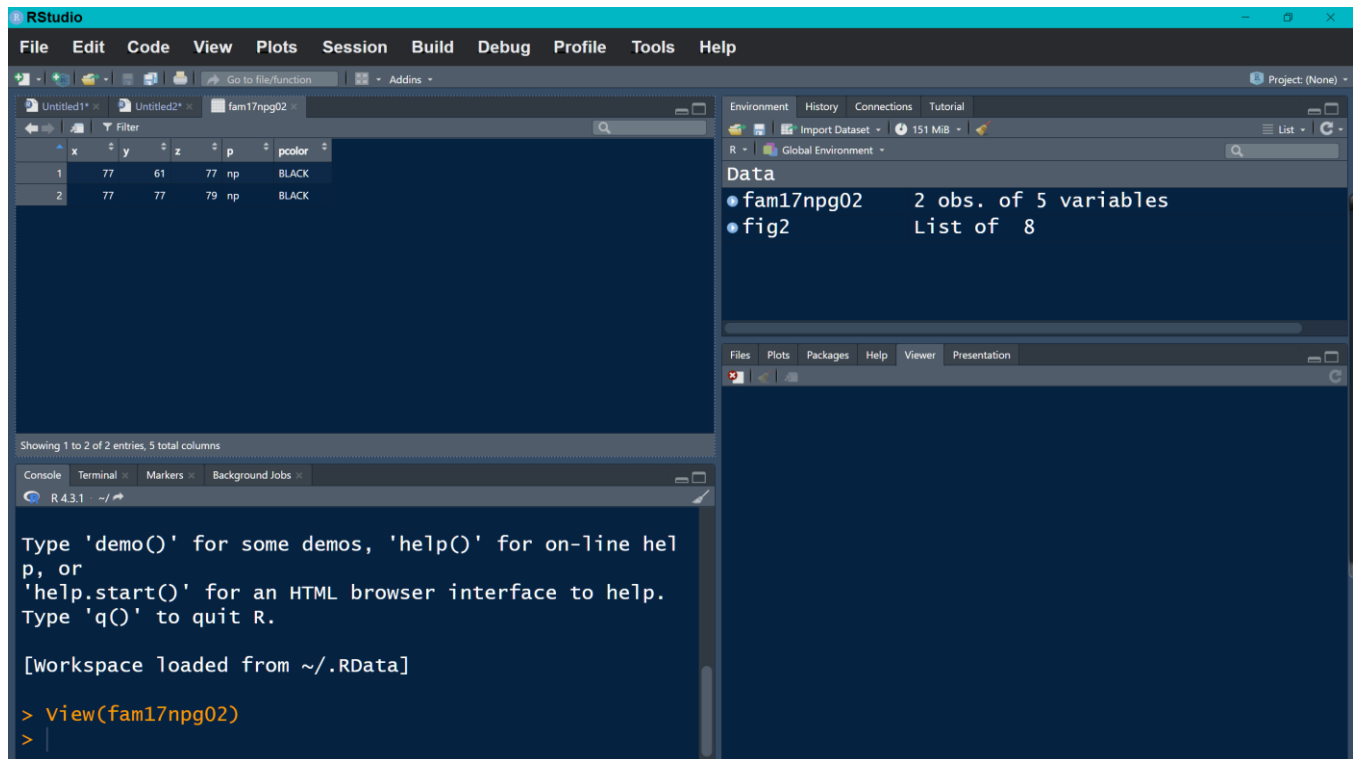


clean environment again

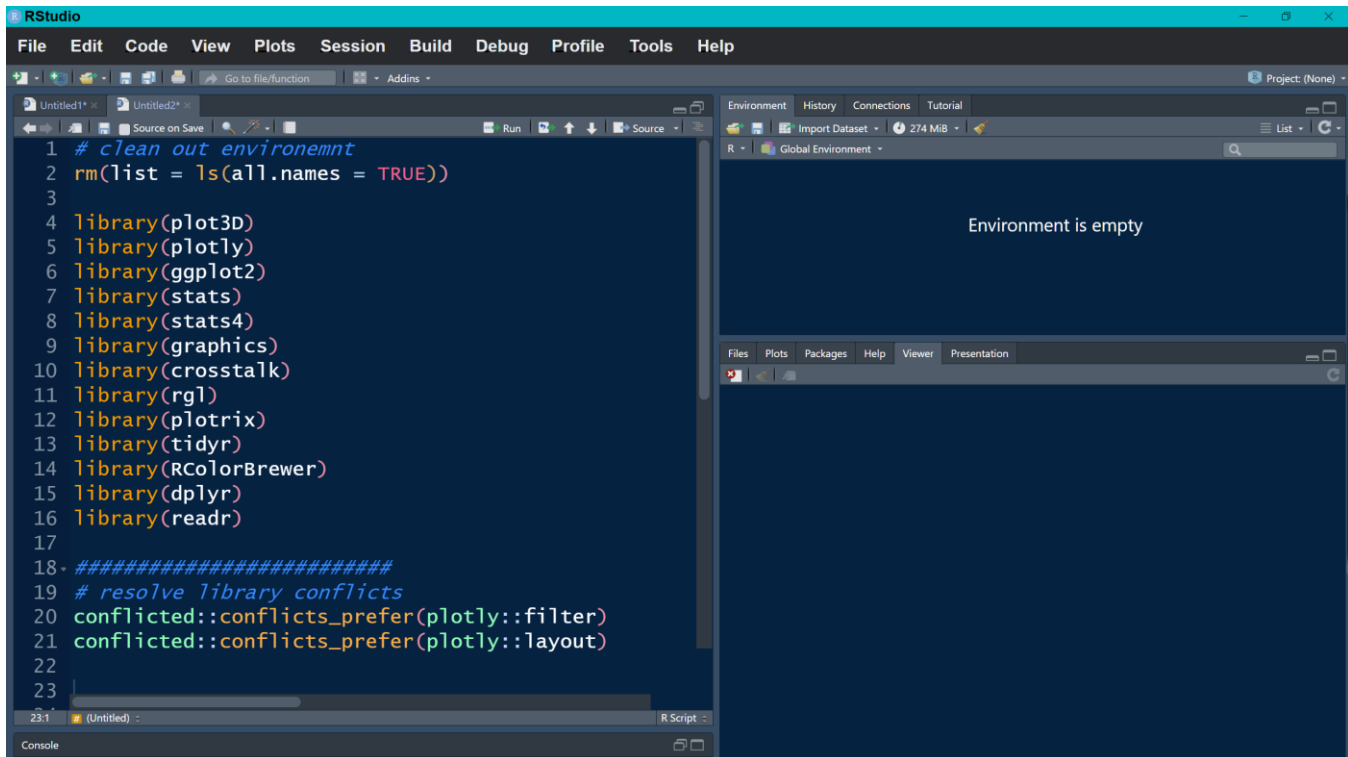
modified plot to look at my data

simple data.frame:

```
fam17npg02 <-  
data.frame(x=c(77,77),y=c(61,77),z=c(77,79),p=c("np","np"),pcolor=c("BLACK","BLACK"))
```



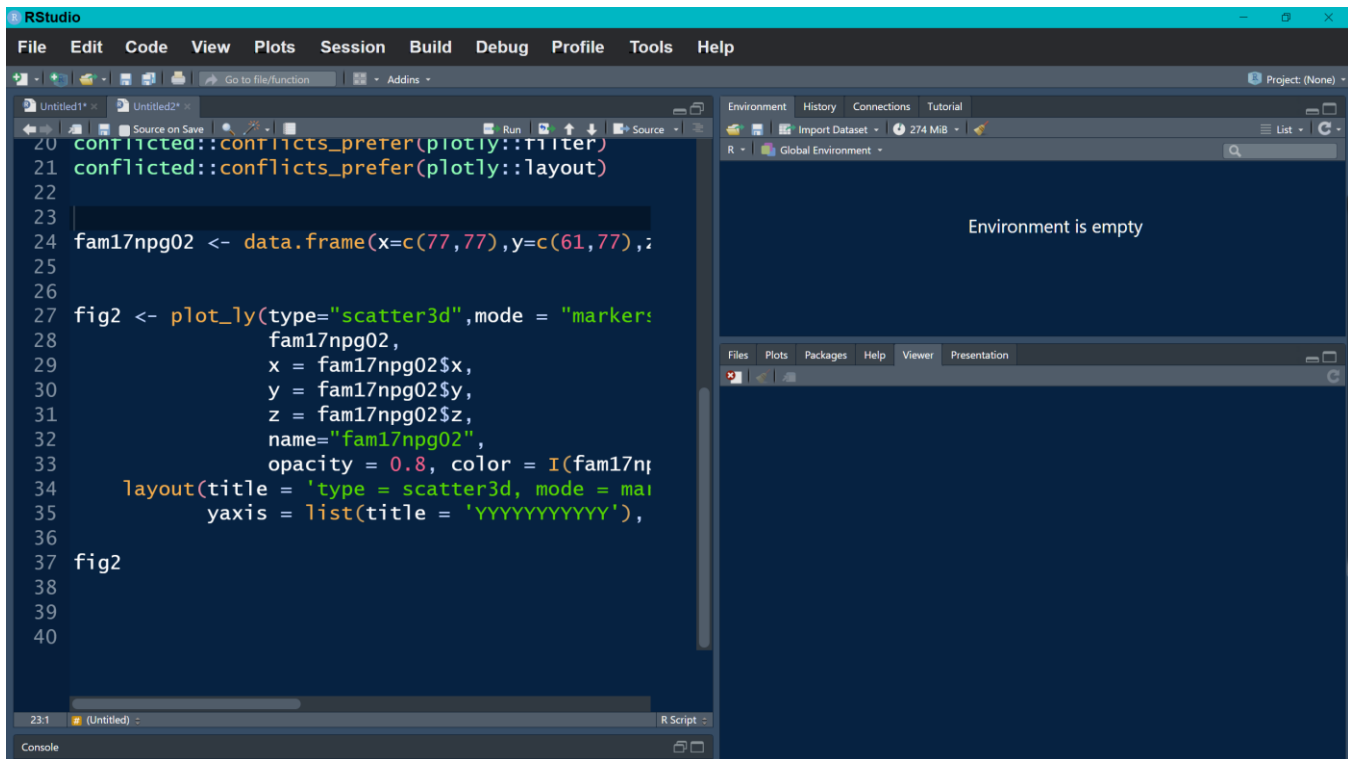
code that will not modify the axis labels - bad



This screenshot shows the RStudio interface with a script editor on the left and the Environment pane on the right. The script contains the following code:

```
1 # clean out environment
2 rm(list = ls(all.names = TRUE))
3
4 library(plot3D)
5 library(plotly)
6 library(ggplot2)
7 library(stats)
8 library(stats4)
9 library(graphics)
10 library(crosstalk)
11 library(rgl)
12 library(plotrix)
13 library(tidyr)
14 library(RColorBrewer)
15 library(dplyr)
16 library(readr)
17
18 #####
19 # resolve library conflicts
20 conflicted::conflicts_prefer(plotly::filter)
21 conflicted::conflicts_prefer(plotly::layout)
22
23
```

The Environment pane on the right shows "Global Environment" with the message "Environment is empty".



This screenshot shows the RStudio interface with a script editor on the left and the Environment pane on the right. The script contains the following code:

```
20 conflicted::conflicts_prefer(plotly::filter)
21 conflicted::conflicts_prefer(plotly::layout)
22
23
24 fam17npg02 <- data.frame(x=c(77,77),y=c(61,77),z=
25
26
27 fig2 <- plot_ly(type="scatter3d",mode = "markers",
28                 fam17npg02,
29                 x = fam17npg02$x,
30                 y = fam17npg02$y,
31                 z = fam17npg02$z,
32                 name="fam17npg02",
33                 opacity = 0.8, color = I(fam17npg02$color))
34 layout(title = 'type = scatter3d, mode = markers',
35         yaxis = list(title = 'YYYYYYYYYYYYY'),
36
37 fig2
38
39
40
```

The Environment pane on the right shows "Global Environment" with the message "Environment is empty".

code of second run

modified add one data.frame , and changed plot_ly to type="scatter3d"

modified title to: 'type = scatter3d, mode = markers' ; added '3d'

```
# clean out environemnt
rm(list = ls(all.names = TRUE))

library(plot3D)
library(plotly)
library(ggplot2)
library(stats)
library(stats4)
library(graphics)
library(crosstalk)
library(rgl)
library(plotrix)
library(tidyr)
library(RColorBrewer)
library(dplyr)
library(readr)

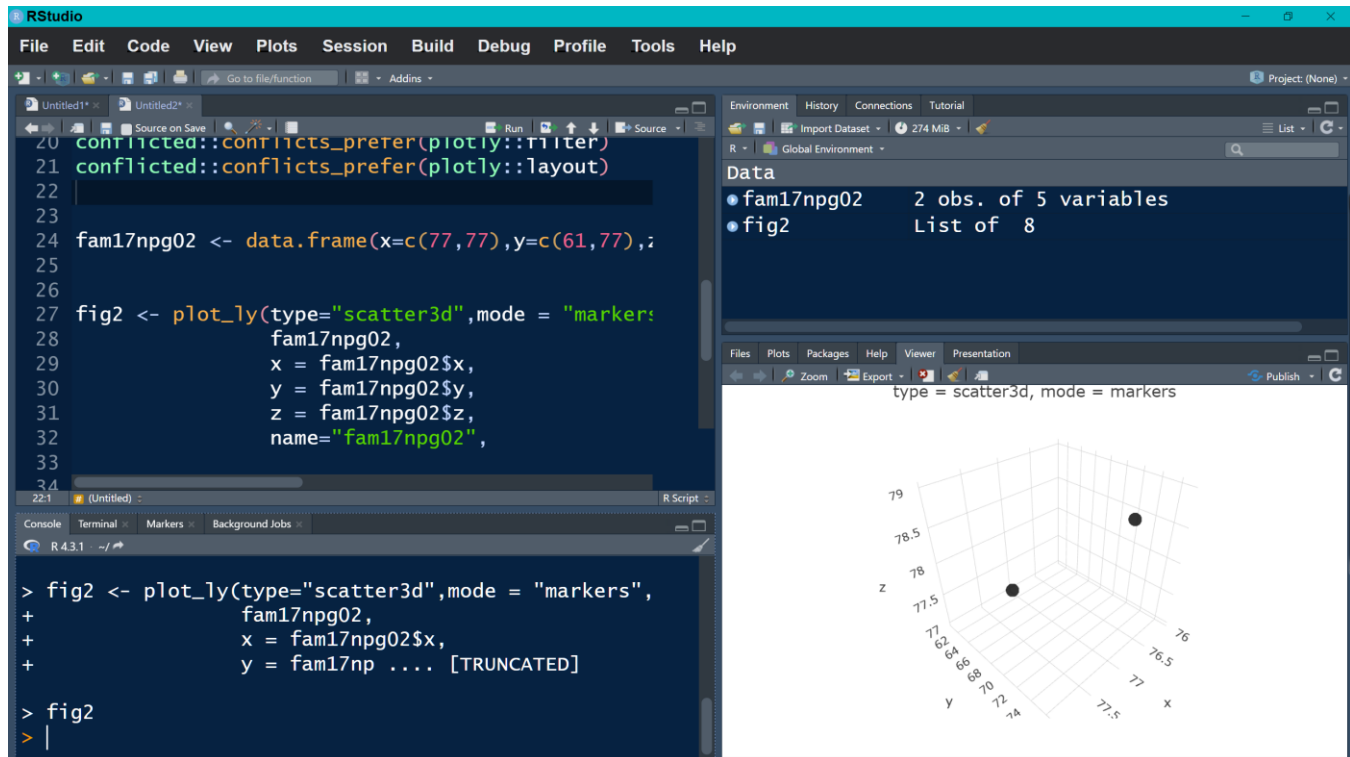
#####
# resolve library conflicts
conflicted::conflicts_prefer(plotly::filter)
conflicted::conflicts_prefer(plotly::layout)

fam17npg02 <-
data.frame(x=c(77,77),y=c(61,77),z=c(77,79),p=c("np","np"),pcolor=c("BLACK","BLACK"))

fig2 <- plot_ly(type="scatter3d",mode = "markers",
               fam17npg02,
               x = fam17npg02$x,
               y = fam17npg02$y,
               z = fam17npg02$z,
               name="fam17npg02",
               opacity = 0.8, color = I(fam17npg02$pcolor)) %>%
  layout(title = 'type = scatter3d, mode = markers', plot_bgcolor = "#e5ecf6",
         xaxis = list(title = 'XXXXXXXXXXXXX'),
         yaxis = list(title = 'YYYYYYYYYYY'), legend = list(title=list(text='<b>
Species of Iris </b>'))))

fig2
```

press 'source' button run code – no errors – plot is produced OK



p press 'zoom', resize to fit screen

title has changed to "scatter3d"
x-axis and y-axis labels are incorrect

