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## How to arrange Base plots and grid.tables on the same page



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I have 2 plots (created using Base graphics) and 2 data frames that I would like to combine onto one sheet in a PDF. I'm using grid.table to create a tableGrobs from my data frames. I'm having a lot of difficulty formatting the PDF output. In particular, I've been unsuccessful keeping all the objects on the same page. I want the right pannel to contain one graph, and the left panel to contain the other graph, and 2 tables below (landscape format).

Currently my code is something like the following:

```
library('gridExtra')

pdf("Rplots.pdf", paper = "USr", height = 8.5, width = 11)

layout(matrix(c(1,3, 2,3, 4,3), nrow = 3, ncol = 2, byrow = TRUE))

plot(myPlot1)
grid.table(df1)
plot(myPlot2)
grid.table(df2)

dev.off()
```

I **do not** want to use ggplot2.

Any advice?

Thanks!

r pdf r-grid

edited Jan 14 at 6:42



Richie Cotton

48.2k 10 97 194

asked Aug 7 '14 at 21:47



nsw

438 6 16

1 Have you had a look at gridBase , to combine base and grid plots – user20650 Aug 8 '14 at 0:37

### 1 Answer

Upgrade comment - to combine base plots and grid objects the package gridBase is useful.

A rough worked example base on your layout above

```
library(grid)
library(gridBase)
library(gridExtra)

layout(matrix(c(1,3, 2,3, 4,3), nrow = 3, ncol = 2, byrow = TRUE))

# First base plot
plot(1:10)

# second base plot
frame()
# Grid regions of current base plot (ie from frame)
vps <- baseViewports()
pushViewport(vps$inner, vps$figure, vps$plot)
# Table grob
grob <- tableGrob(iris[1:2,1:2])
grid.draw(grob)

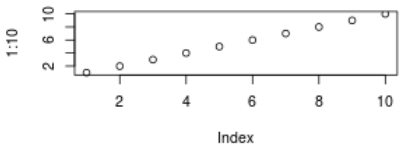
popViewport(3)

# third base plot
plot(1:10)

# fourth
frame()
vps <- baseViewports()
pushViewport(vps$inner, vps$figure, vps$plot)
grid.draw(grob)
```

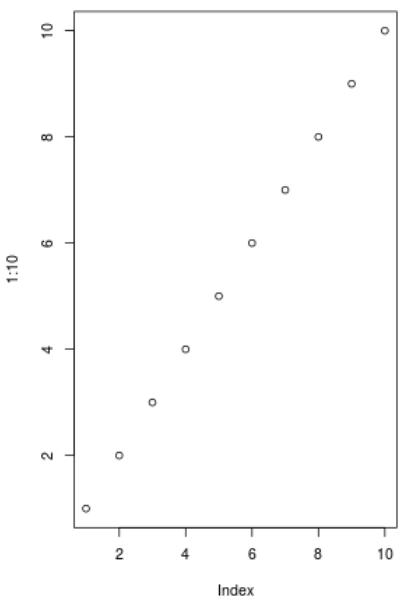
```
popViewport(3)
```

Which gives



	Sepal.Length	Sepal.Width
1	5.1	3.5
2	4.9	3


	Sepal.Length	Sepal.Width
1	5.1	3.5
2	4.9	3



Maybe this is something to get you started

[edited Jan 29 at 5:13](#)

answered Aug 8 '14 at 1:15

 [user20650](#)

7,936 1 10 30