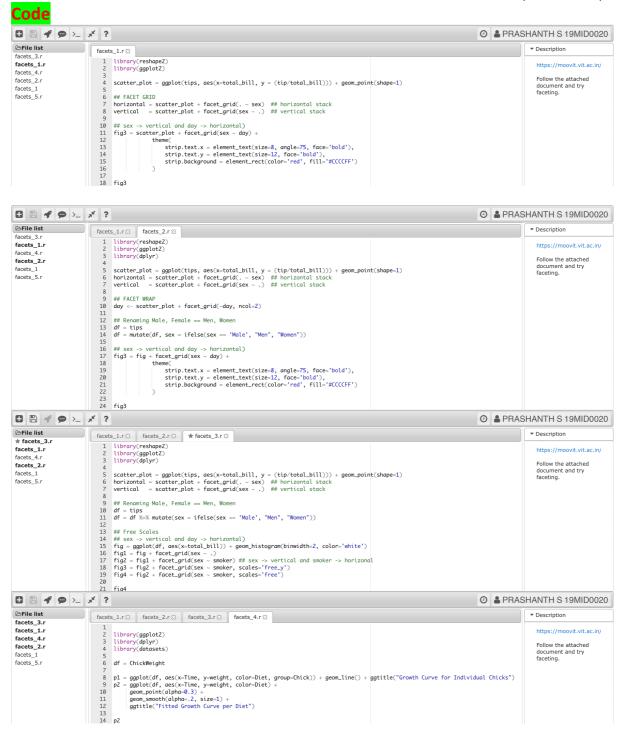


Prashanth.S (19MID0020)



Mam, I implemented the code in moodle as-well as in RStudio also. In-order to avoid confusion with continuous output, I am including my implementation in RStudio also.

Facets

Importing the libraries

```
library(reshape2)
library(ggplot2)
library(dplyr)
## Attaching package: 'dplyr'
```

The following objects are masked from 'package:stats': ## filter, lag

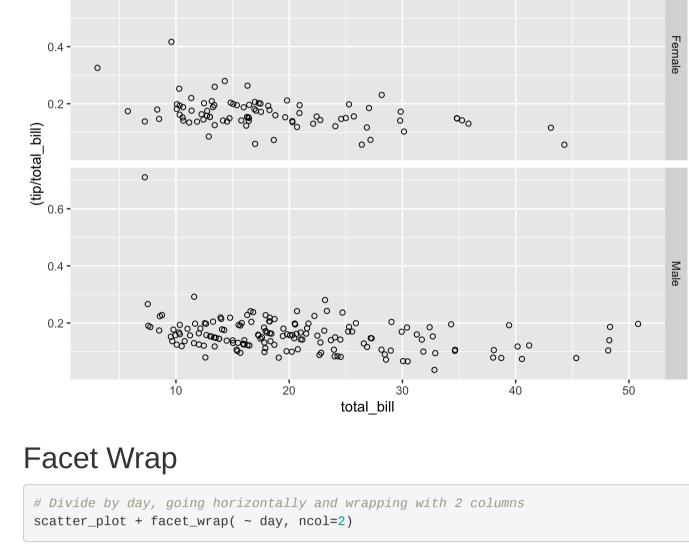
The following objects are masked from 'package:base': ## intersect, setdiff, setequal, union scatter_plot = ggplot(tips, aes(x=total_bill, y = (tip/total_bill))) + geom_point(shape=1)

FACET GRID

horizontal = scatter_plot + facet_grid(. ~ sex) ## horizontal stack vertical = scatter_plot + facet_grid(sex ~ .) ## vertical stack horizontal

Female Male 0 0.6 -(tip/total_bill)

0 10 40 20 30 40 50 10 total_bill vertical 0.6 -0.4 -0.2 -



0.6 -

0.2 -

0 0

Fri

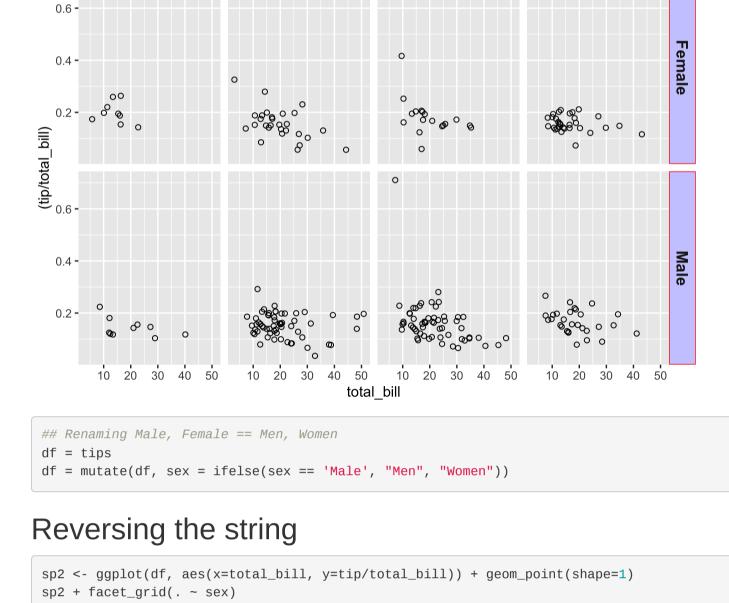
0.4 -



Sat

Thur

Women



Men

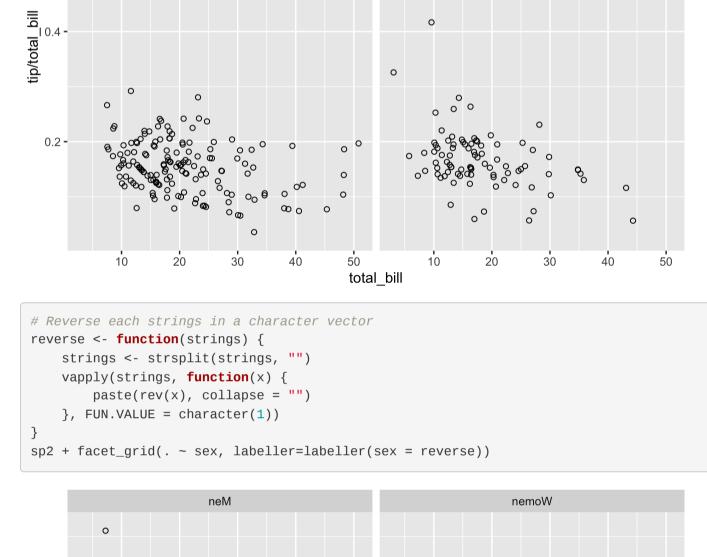
0.6 -

0.6 -

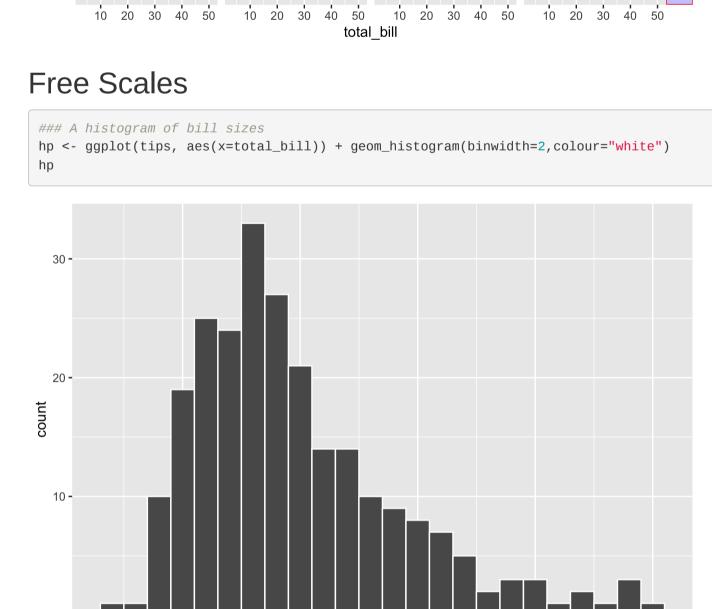
(tip/total_bill)

0.4 -

0.2 -







Histogram of total_bill, divided by sex and smoker hp + facet_grid(sex ~ smoker)

15 **-**

10 -

onut 0.0 -

5.0 **-**

2.5 **-**

0.0 -15 **-**

10 -

count

10

20

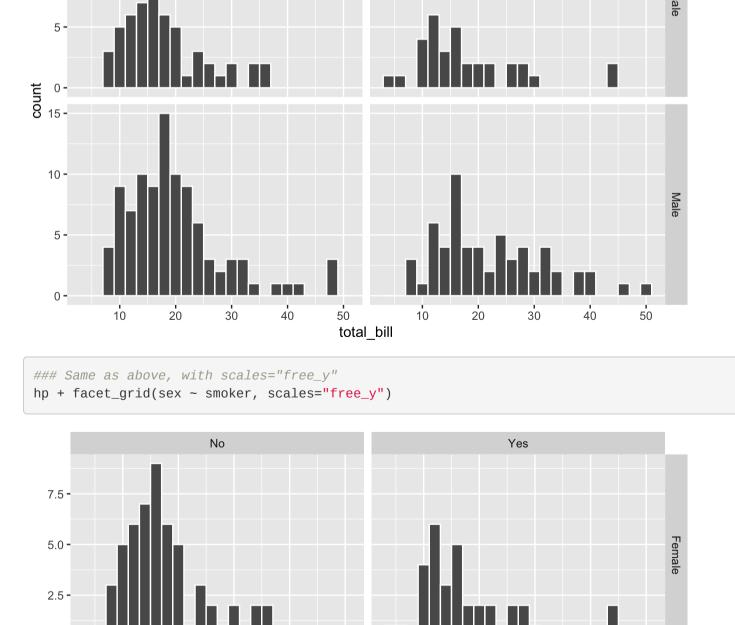
30

total_bill

40

Yes

50





total_bill