Patchwork : CHEAT SHEET

Combine multiple ggplots into multipaneled figures
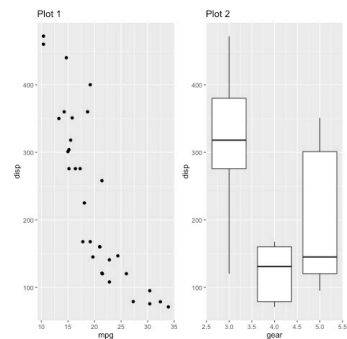
Installation

```
install.packages('patchwork')
```
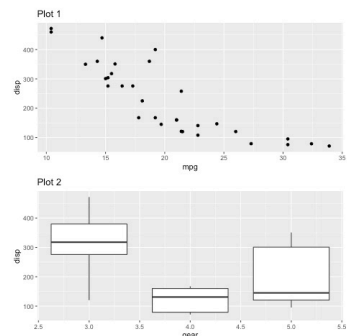
Or

```
install.packages("devtools")
devtools::install_github("thomasp85/patchwork")
```
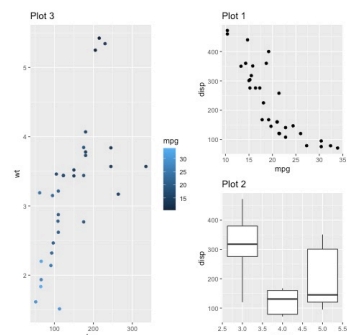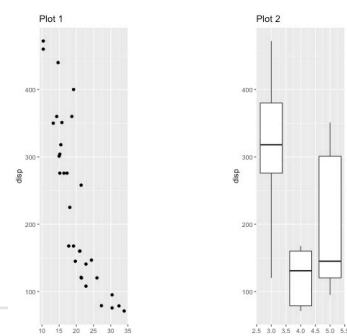
Plot Assembly

p1 **+** p2

p1 **/** p2
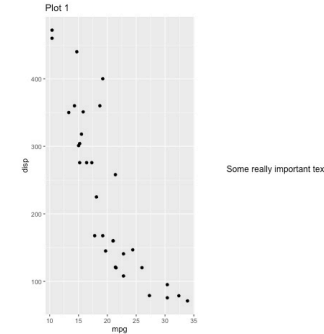

p3 **|** (p1 **/** p2)

CREATE EMPTY SPACE

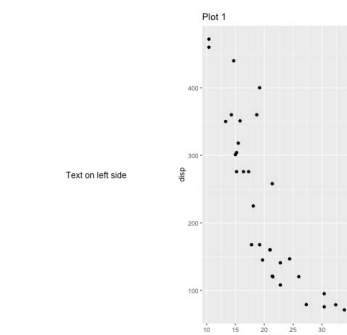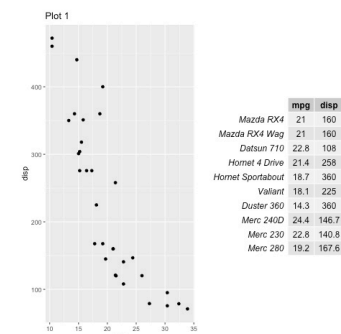p1 **+ plot_spacer() +** p2

ADDING PLOTS

p1 **+
grid::textGrob('Some
really important text')**

**wrap_elements(grid::t
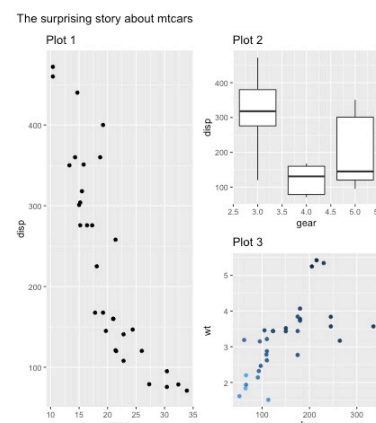extGrob('Text on left
side')) +** p1

p1 **+
gridExtra::tableGrob(
mtcars[1:10, c('mpg',
'disp')])**

Annotation

p + plot_annotation()
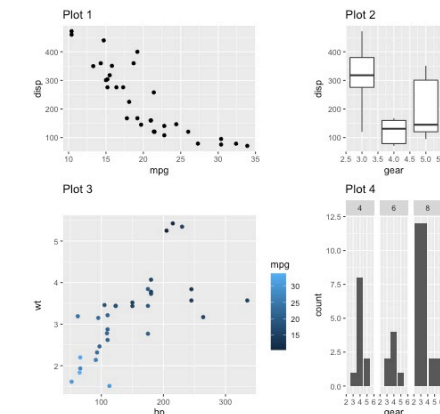title, subtitle, caption tag_levels tag_prefix, tag_suffix theme

**(p1 | (p2 / p3)) +
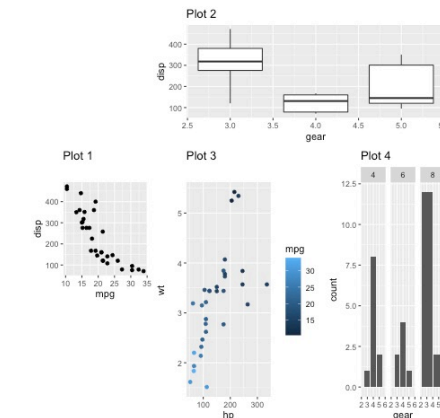plot_annotation(title =
'The surprising story
about mtcars')**

Controlling Layout

p + plot_layout()

ncol, nrow : The dimensions of the grid to create
byrow : = FALSE(columns) / = TRUE(rows)
widths, heights : The relative widths and heights of each column and row
guides : ='collect'(remove duplicate guides) / ='keep' / = auto
tag_level : 'i' / 'I' / 'a' / 'A'
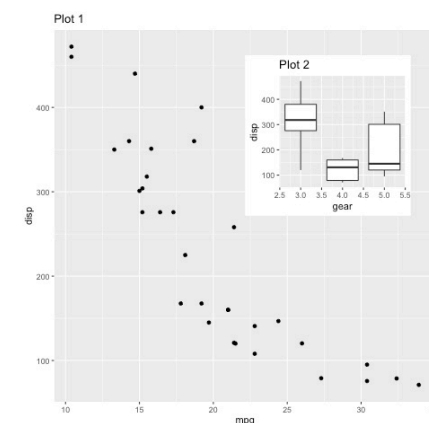design : Specification of the location of areas in the layout.

p1 + p2 + p3 + p4 +
**plot_layout(widths =
c(2, 1), heights =
unit(c(5, 1), c('cm',
'null')))**

**layout <- "
##BBBB
AACCDD
##CCDD
"**

p1 + p2 + p3 + p4 +
**plot_layout(design =
layout)**

p + inset_element()

p1 +
**inset_element(
  p2,
  left = 0.5,
  bottom = 0.5,
  right = unit(1, 'npc') -
unit(1, 'cm'),
  top = unit(1, 'npc') -
unit(1, 'cm')
)**