Putting plots together

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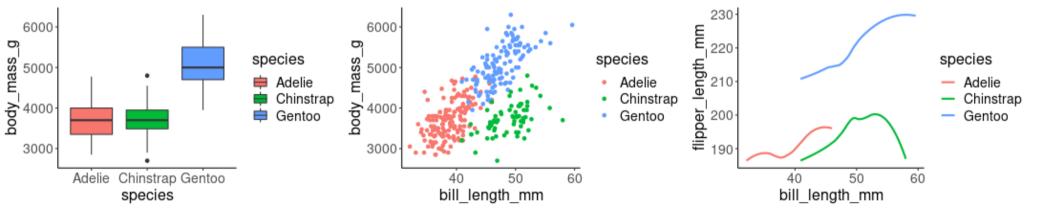
Putting plots together

The packages

There are three excellent packages for putting separate ggplot graphs together in panels.

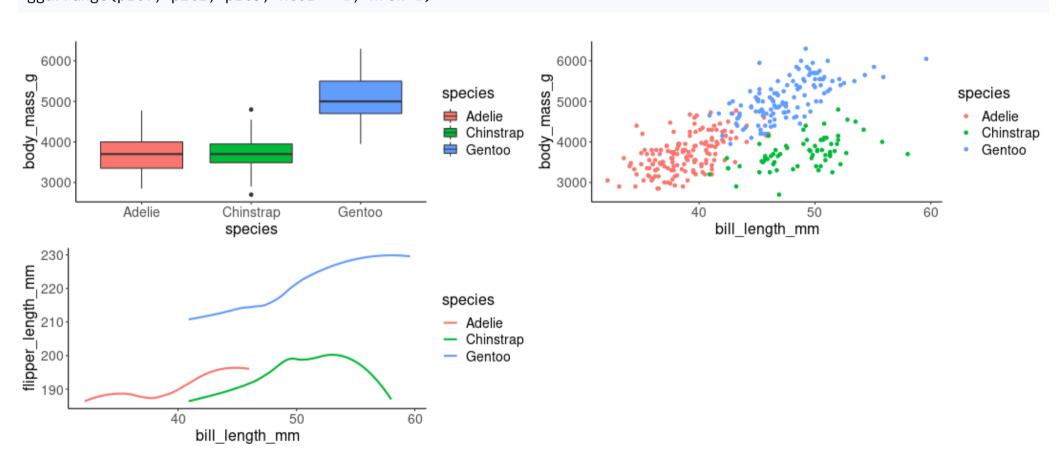
- 1. ggpubr
- 2. cowplot
- 3. patchwork

The graphs



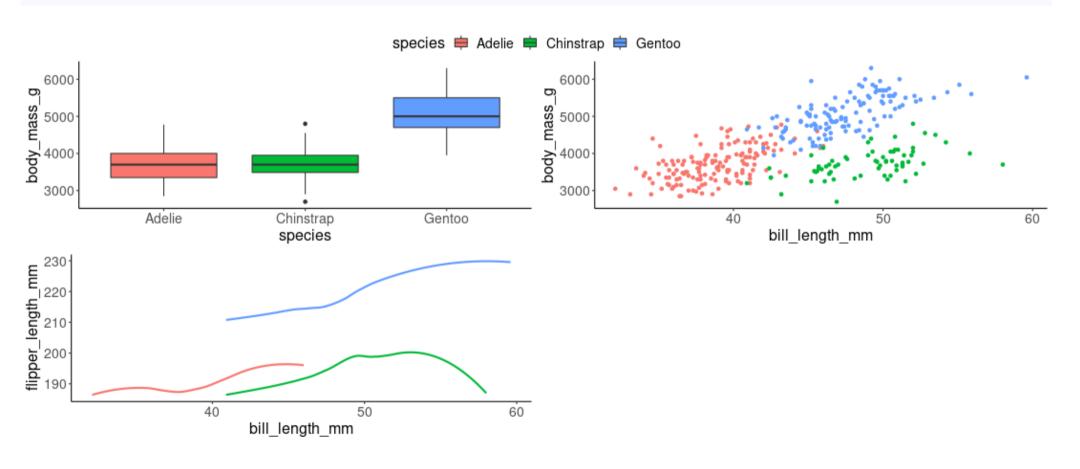
ggpubr

ggarrange(plt1, plt2, plt3, ncol = 2, nrow=2)



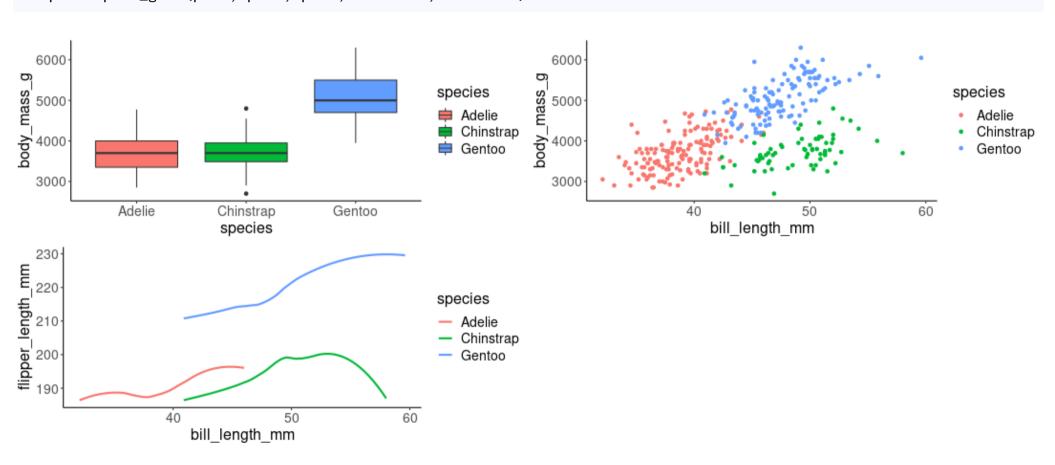
ggpubr

ggarrange(plt1, plt2, plt3, ncol = 2, nrow=2, common.legend = TRUE)



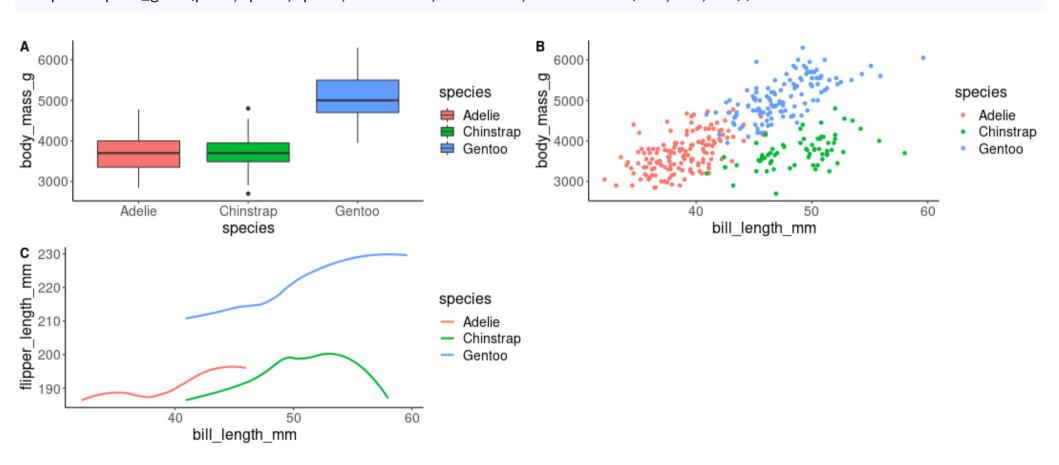
cowplot

cowplot::plot_grid(plt1, plt2, plt3, nrow = 2, ncol = 2)



cowplot

cowplot::plot_grid(plt1, plt2, plt3, nrow = 2, ncol = 2, labels = c('A','B','C'))

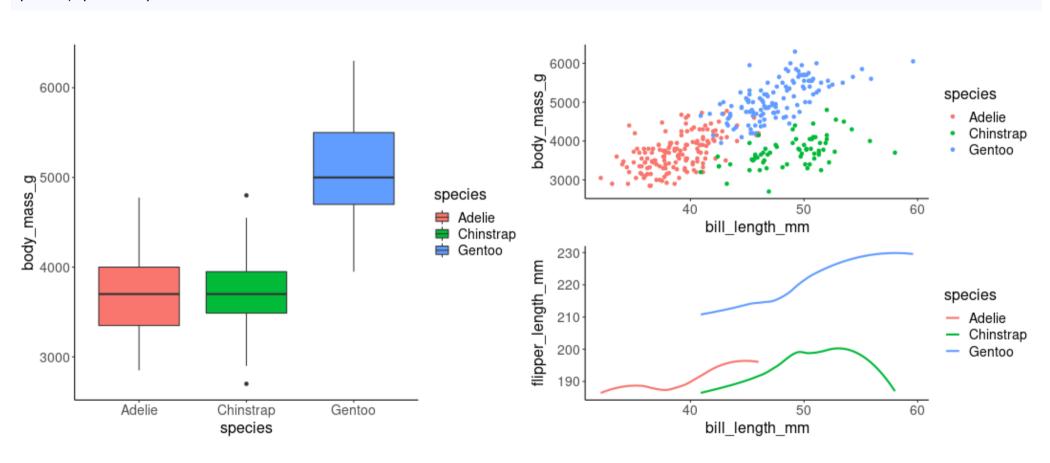


cowplot

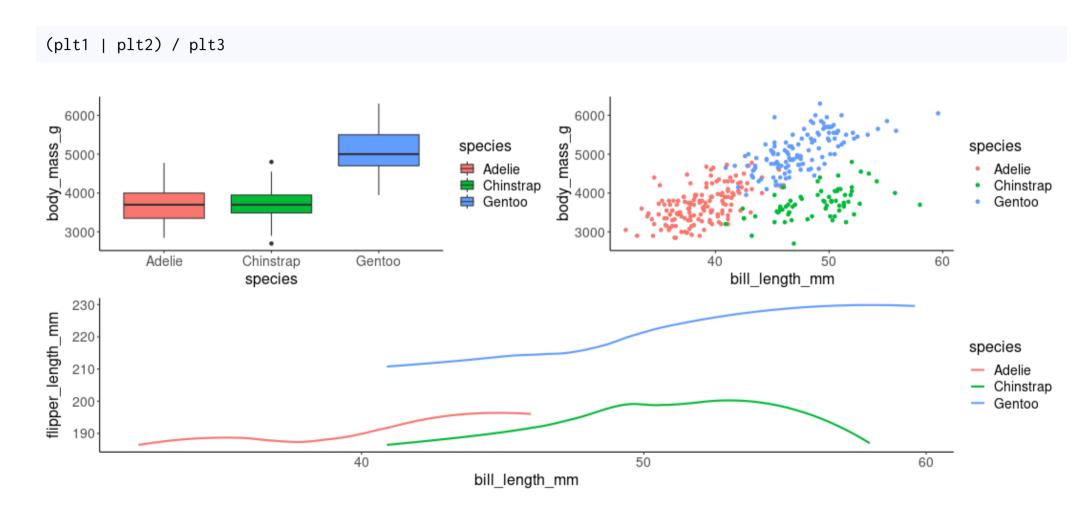
```
cowplot::plot_grid(grid1, plt3, nrow=2, labels = c('', 'C'))
                                  В
Α
  6000
                                    6000
body_mass_g
                                  body_mass_
                       species
                                                                                                        species
  5000
                          Adelie
                                                                                                          Adelie
                          Chinstrap
                                                                                                          Chinstrap
                          Gentoo
                                                                                                          Gentoo
  3000
                                    3000
       AdelieChinstra@entoo
                                                          40
                                                                               50
                                                                                                   60
                                                                 bill_length_mm
           species
C mm_laber_length mm 2200.
                                                                                                        species
                                                                                                        Adelie
                                                                                                        Chinstrap
                                                                                                        Gentoo
                                  40
                                                                  50
                                                                                                  60
                                                bill_length_mm
```

patchwork

plt1 | plt2 / plt3

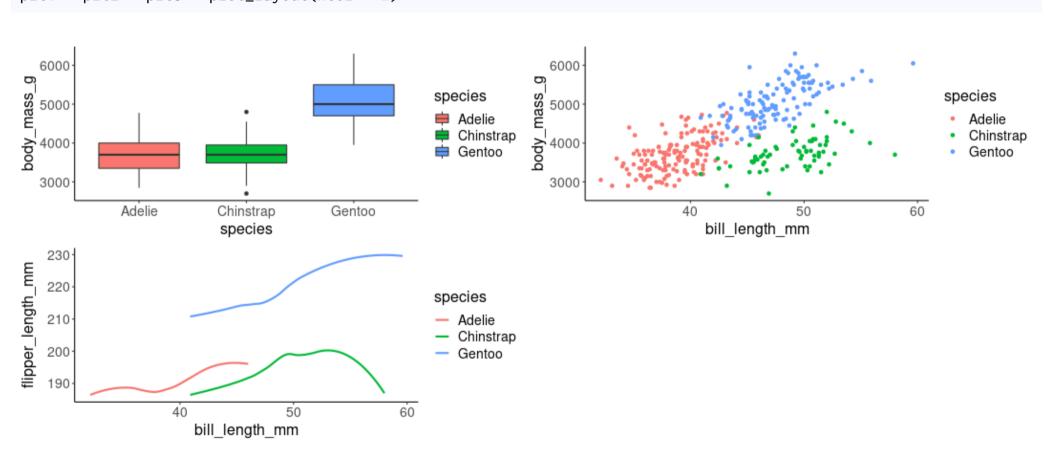


patchwork



patchwork

plt1 + plt2 + plt3 + plot_layout(ncol = 2)



Further references

ggpubr: https://rpkgs.datanovia.com/ggpubr/

cowplot: https://wilkelab.org/cowplot/index.html and Fundamentals of Data Visualization

patchwork: https://patchwork.data-imaginist.com/index.html