

Intro R Workshop: Exercise 2

true

true

17 March 2022

The SACTNmonthly_v4.0.RData

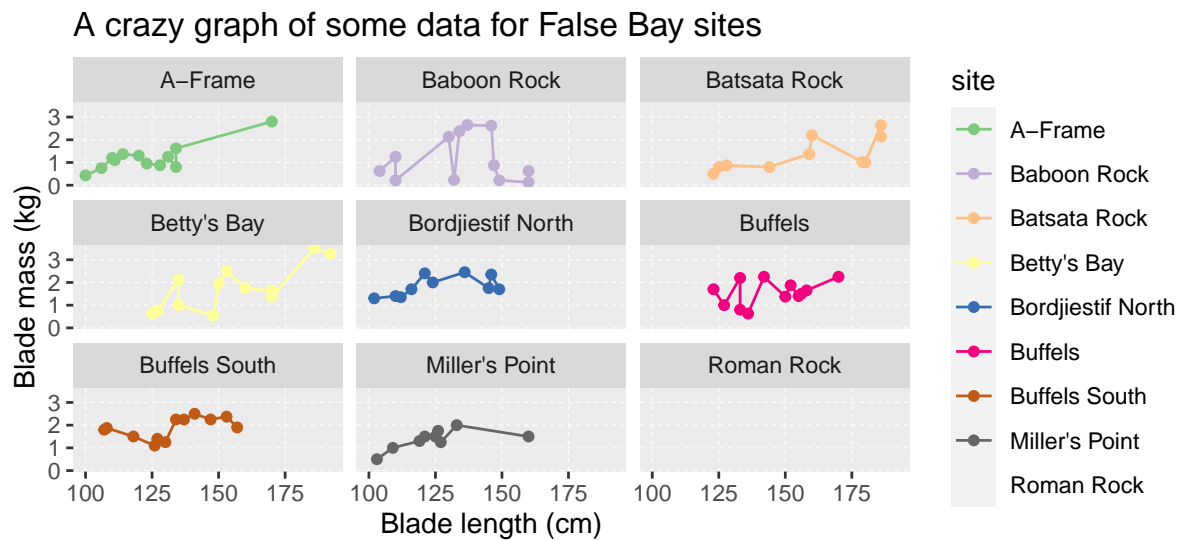
Please *exactly* recreate the figure immediately below (you may use your own colour for the line). Note: in order to calculate a yearly mean for each of the data points within a year, you will have to use one of the functions in the **lubridate** package. There is also the **mutate()** function (within the **dplyr** package) that I have mentioned before, but which we have not explicitly practiced — it will have to be used to receive the result of the **lubridate** function that I alluded to above.

KZNSB: series of annual means



The data.laminaria.csv data

Please recreate the following figure *exactly* (note: the graph is not actually meaningful, and it is the incorrect way to display the data; used here for demonstration purposes only):



In the above graph I used one of the palettes included with the Colour Brewer scale. Unfortunately the plot for Roman Rock is now missing. Why? Please provide a solution to this problem — i.e. make a new graph where the problem is no longer present. Combine the graphs as two sub-plots (i.e. a figure labeled 'A' and 'B') using the facility offered by the `ggpubr` package.

The ToothGrowth data

These data reside in `datasets::ToothGrowth`. Please produce a graph like the one below. The adjustment of the error bars (here showing \pm SD) is a bit tricky, so you will have to figure out how to consult the help files, or find alternative help somewhere using an internet search.

