

rstudio_example

Photosynthetic pigments concentration

My data:

```
summary(my_data)
```

```
##      NaCl_mM      Pigment      Concentration_mg_g_DW
##  Min.   :  0.00   Length:36      Min.    : 1.202
##  1st Qu.: 37.50   Class :character 1st Qu.: 1.712
##  Median : 87.50   Mode  :character  Median : 2.332
##  Mean   : 93.75                Mean   : 3.753
##  3rd Qu.:143.75                3rd Qu.: 5.339
##  Max.   :200.00                Max.    :10.220
```

```
nacl <- my_data$NaCl_mM
pigment <- my_data$Pigment
concentration <- my_data$Concentration_mg_g_DW

my_data$NaCl_mM <- as.factor(my_data$NaCl_mM)
my_data$Pigment <- as.factor(my_data$Pigment)
```

The resulting plot:

```
ggbarplot(data = my_data,
  x = 'Pigment',
  y = 'Concentration_mg_g_DW',
  order = c('Chlorophyll a', 'Chlorophyll b', 'Carotenoids'),
  fill = 'NaCl_mM',
  add=c('mean_sd'),
  position=position_dodge(0.7)) +
  scale_fill_brewer(palette='Greys')
```

