DailyCheck#14

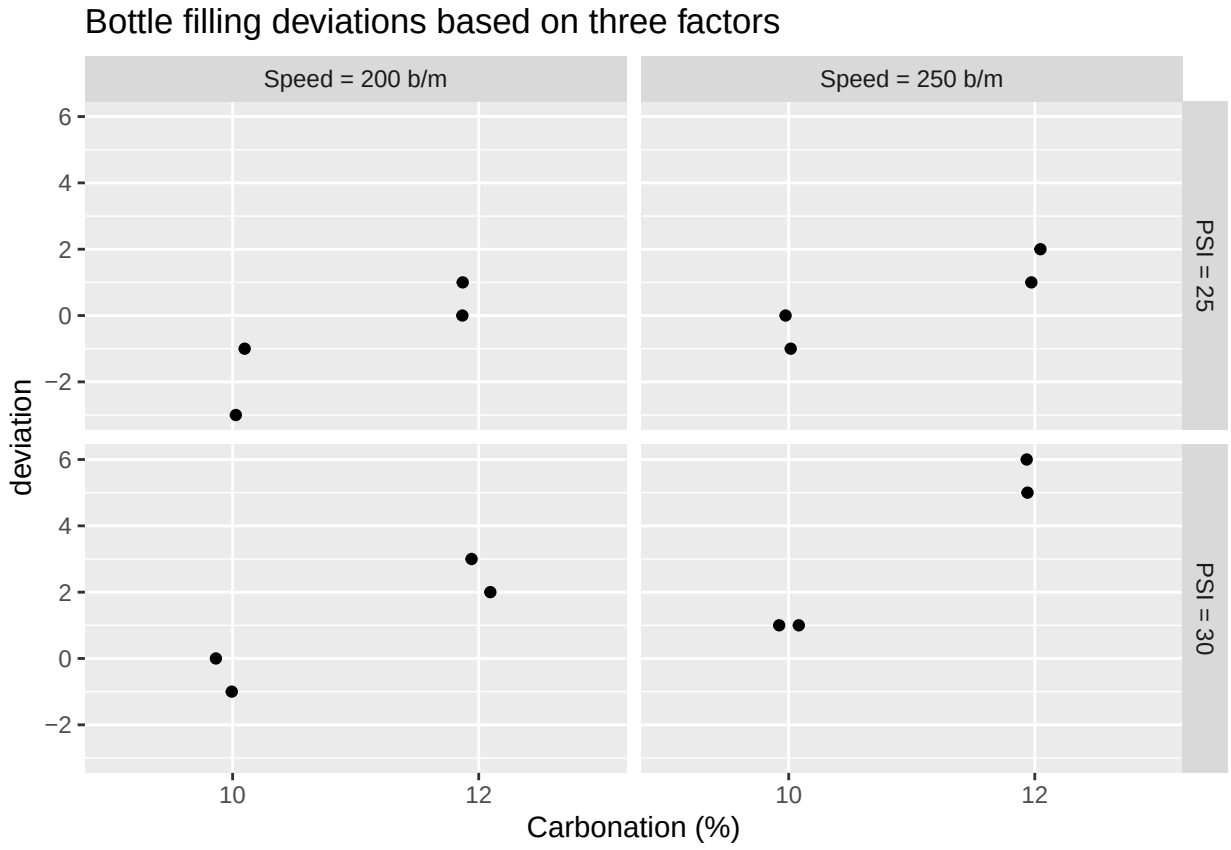
2025-05-14

DailyCheck 14 YourTurn

```
library(readxl)
bottle <- read_excel("bottle.xlsx")

bottle$A <- as.factor(bottle$A)
bottle$B <- as.factor(bottle$B)
bottle$C <- as.factor(bottle$C)

set.seed(51420251)
library(ggplot2)
ggplot(data = bottle, mapping = aes(x = A, y = deviation)) +
  geom_jitter(width = 0.08, height = 0) +
  facet_grid(B ~ C,
             labeller = labeller(B = c("0" = "PSI = 25",
                                       "1" = "PSI = 30"),
                                 C = c("0" = "Speed = 200 b/m",
                                       "1" = "Speed = 250 b/m"))) +
  scale_x_discrete(name = "Carbonation (%)", labels = c("10", "12")) +
  ggtitle("Bottle filling deviations based on three factors")
```


Bottle filling deviations based on three factors
Speed = 200 b/m
Speed = 250 b/m
PSI = 25
PSI = 30
deviation
6
4
2
0
−2
10
12
Carbonation (%)