

Exercise Guinea pigs

Read-in the data about tooth growth of guinea pigs from the text file `gp.txt`.

Change weight units into grams.

Compute dose of vitamin C per g of body mass for each individual.

Get means, variances and sd of tooth length for groups defined by vitamin C dose and form of administration.

Check if body weight is normally distributed (Kologromov-Smirnov test or Shapiro test, `qqnorm` plot).

Make a boxplot by dosage group. Make a scatter plot of body mass versus tooth length.

Use `anova` and `lm` to check what factors (dosage of vitamin C, form of supplementation, body mass) influence tooth length.