

# Assignment 3

Due date 1/11/21

# Exercise - 1

1. Create a grid of plots with (including title, axis labels, colors....):
  - A. state and abb.
  - B. total\_murders and population\_size.
2. Repeat the previous exercise but now change both axes to be in the log scale.

# Exercise - 2

Use the starwars data set in the dplyr package to:

- list the different human characters,
  - list the different worlds,
  - compute the average weight and height of the different character types,
  - display on a plot the number of characters of each type in a decreasing order,
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- visualize the relationship between the height and weight of the different characters.

# Exercise- 3

Compare two simulated datasets with a plot and a hypothesis test.

Use a functions that:

- visualises the two distributions with a histogram,

- uses a t-test to compares means and summarises the results with a string