

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,
- 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