Exercises 4 — Scales

Important notice! Always save the solutions for the exercises. They will be submitted and evaluated (*Avaliação Contínua*). Confirm the exact date in *Inforestudante*.

Exercise A

Download the following .zip file, which contains HTML and Javascript files. Complete the Javascript file according to the commented lines. In this exercise, students should try to use different scales:

1. Continuous to continuous
    a. linear transformation
    b. log transformation
    c. date/time transformation
    d. scale sequential
2. Continuous to discrete (discretization)
    a. continuous value to categories (can be colors or other appropriate visual variables) – scale quantize
    b. similar but using scale quantile
    c. similar but using thresholds
3. Discrete to discrete
    a. map months to three colors (use ordinal scale)
    b. using the scalePoint() function, map days of the week to the x-axis, retaining the Y position random

You can consult the documentation at https://www.d3indepth.com/scales/