Lab 2 + Project 2

Requirement

- You are encouraged to cooperate with your friends to finish these exercises (maximum group size = 4), but individual submission is also allowed.

- You can finish the lab in either Chinese or English.

- You can print out your report, including the code, results, figures and observations.

- Suggested deadline: hand in to the instructor when you attend the lecture, on or before 13 Apr, 2023 (Thursday).

  Late submission (but not later than exam!) is allowed; no penalty will be imposed.

Exercise

In this lab, you are free (and encouraged) to propose your own problem and choose data of your interest to play with, by using methods in statistics and statistical learning.

You are also allowed to do additional tasks on data in past homework or lab, for example, using regression methods to predict whether a news article is fake or real in the `fake_news` data based on available features, or predicting whether it will rain tomorrow based on weather features of today in the `weather_australia` data (both data sets appeared in Lab 1). You can practice what you learn from the course, e.g., statistical inference, model selection, model evaluation and so on.