

R workshop session 1 exercise

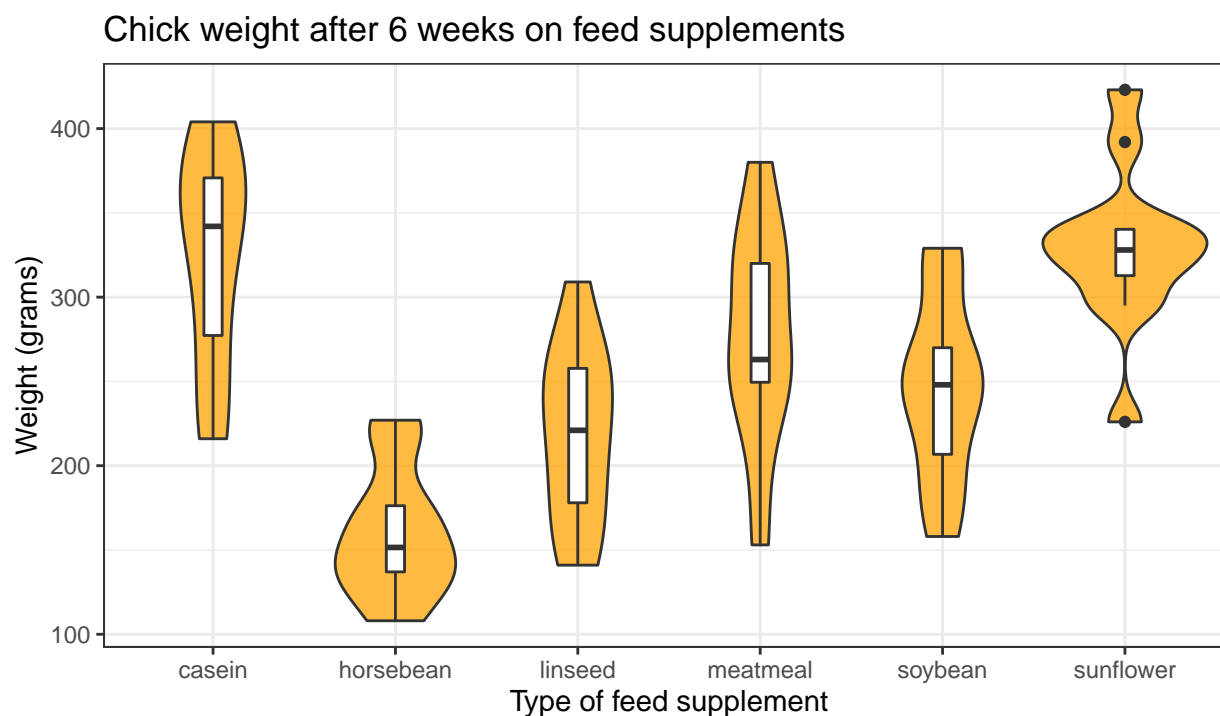
Exercise 1: Road crossing example

Let's assume you have 5% chance of a fatal accident when crossing a road. What are your chances of surviving ten such crossings?

Exercise 2: Chick weights

Background: Newly hatched chicks were randomly allocated into six groups, and each group was given a different feed supplement. Their weights in grams after six weeks are given along with feed types. *Source:* McNeil (1977) Interactive Data Analysis

Exercise 2: Read in the data from the chick_weight sheet in the session1_data.xlsx file. Reproduce the following graph as closely as possible. Name your script chick_weights.R



Source: McNeil (1977) Interactive Data Analysis

Exercise 3: Height vs weight by Gender (optional)

Background: 10000 measurements of height and weight for men and women. *Source:* Machine Learning for Hackers, Drew Conway & John Myles-White, O'Reilly Media.

Exercise: Read in the data from the height_weight sheet in the session1_data.xlsx file. Name your script height_weights.R.

1. Reproduce the following graph as closely as possible. Hint: `grid.arrange()`
2. Does anything look strange?
3. How many men and women are there in this dataset?

