Exercise 3

Task 1

- 1. Load the data set Orange that contains only three variables.
- 2. Plot the two variables age and circumference against each other using a scatter plot (geom_point)
- 3. Add color as an additional aesthetic mapping for the variable Tree.

Task 2

- 1. Now plot them as lines and not as points using geom_line
- 2. Generate 2 objects: One plot using points and one using lines. Plot the two objects in one plot.
- 3. Add another layer to your plot: + facet_wrap(~Tree). What does the function do?

Task 3

- 1. In this task we use the data set ChickWeight. Load the data set from the package datasets.
- 2. Plot the distribution of the variable weight using a histogram.
- 3. Change the data type of the variable Time to a factor.
- 4. Plot a boxplot for each time point.
- 5. Plot the weight as boxplots for the different types of Diet.
- 6. Do the same, as before, but now combine the three variables: Use Time on the x-axis, weight on the y-axis and use Diet as a fill argument.