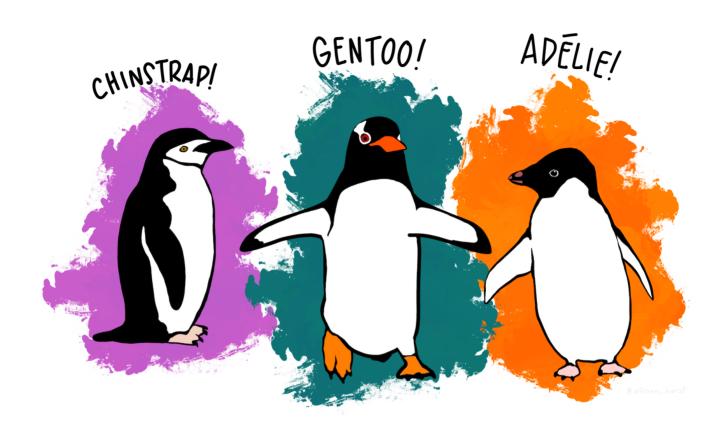# Data visualisation

Gbadamassi G.O. Dossa

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# Acknowledgements

The content of this module are based on materials from:

olivier gimenez's materials

# Motivation

We use data from package `palmerpenguins` to familiarize ourselves with data visualization with the tidyverse. We first load the packages we will need.

```r
library(palmerpenguins)
library(tidyverse)
```

# Question 1

a. Build a histogram of body mass.

b. Fill in histogram with a color per species.

c. Change the color by default to darkorange, purple and cyan4.

d. Adjust transparency for all three histograms.

e. Add a title to the axes, the legend and the figure.

f. Change the theme used by default.

g. Do a-f for males and females and display on same figure.

# Question 2

a. Build a scatter plot of body mass wither respect to flipper length.

b. Consider a shape for the points different for each species. Increase point size and adjust transparency.

c. Consider a color for the points different for each species. Increase point size and adjust transparency.

d. Combine b-c.

e. Change colors to darkorange, purple and cyan4. Add titles to axes, legend and figure.