



# Week 2: Fundamentals of Coding

SESSION 2: PUTTING YOUR SKILLS TO THE TEST

STARFISH SCHOOL 2021

# Exercise

- *In Python*

- Read in the data from the data file A provided
- Change the precision of the data file (reduce the floating point precision to 1 decimal place, or make them integers)
- Apply a 50% Gaussian scatter to the data points
- Make a plot of your data and save it to file B
- Save the data to a text file

- *In R*

- Read in that text file B that you saved in the step above
- Compute the summary statistics of the data
- Plot the data
- Plot the five number summary statistics (hint: look up **?boxplot**)
- Read in the original data file A used in the step above
- Compare the summary statistics of the A data with the B data
- Make a plot and save it to file
- Save original data A to file with increased precision

## HOT TIP

For your stretch goal – make doc strings for this whole package!

