



STARFISH SCHOOL

A Virtual Bootcamp for Astronomy Graduate Students

WEEK 2 EXERCISES (GROUP)

Version 1.0

Group Exercise

1. In Python

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

2. In R

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