STARFISH SCHOOL

A Virtual Bootcamp for Astronomy Graduate Students

WEEK 5 EXERCISES (GROUP)

Version 1.0

Exercise 1: Plot Data Multiple Ways

- Using the 'Summary_info.txt' from the SQL exercise, make two plots of the data to show different things. For each plot, include *at least three* bit of information (e.g. ra, dec, *z* or, z, flux, SNR etc.)

- As you make the plots, develop *common styles* to make the data consistent between plots. Experiment with colour, gradients, symbols. What story are you trying to tell? Which pieces of information teach you something?

Optional Exercise: ggplot2 in R

- Go back to the week5_exercise.R script
- Breakdown and understand the code that is making the ggplot
- Make a new ggplot, using the SDSS quasar data set
    - Try setting the theme to something different!
    - Change the labels
    - Try making a multi-panel plot (see cut_interval)
- Make a ggplot using the spectra data set