Data Steps Chapter 3:

X Denoise with DADA2/UNOISE3 (combined all runs)

X Check sampling completeness

Error check -GRR this is not working with the DADA2 data… Not sure if it is my R space or what

* Need to think about this a little bit more, may revert back to Austen’s approach of just subtracting from each row… But not sure how to deal with this really…

Run to run variation based on re-run samples

Rarefy – exclude low read samples (find a cutoff)

Average metadata (sizes)

Potential explorations

First:

Stage structure in populations

Pred-prey body size ratios (ideally with Palmyra size data)

Guilds (e.g. from the same environment):

Interaction strengths (by species, size class, species\*size class, feeding mode, prey density) Preston et al. 2019

Prey community (by species, size class, species\*size class, feeding mode, prey density) Rudolf et al. 2014

Networks:

Structure of modules w/ and w/o new diet data

Dynamics of modules w/ and w/o new diet data