Week 4

Concern that problems are due to high dimensionality. Focus this week: Filter to one Genus/family/something and repeat.

Start thinking/writing about motivations for needing/wanting to model everything at once instead of running separately.

What dataset to use? Prevalence filter first? Going to use the 10p filtered dataset and then pick a genus.

Also looking into R ways to resolve phylogenetic tree to genus level. Potentially group clade? https://yulab-smu.top/treedata-book/chapter6.html

(Needed to add phylogenetic tree to saved rds.)

Meeting notes

Found bug. Ugh. Variance term was incorrect. Check things now.

Try independence, Try fixed values. Look at residual matrix (convert to matrix?) Check that entries match.