

Sandbox analysis tasks:

- Understand your dataset and what are the important questions
- Look at alpha diversity.
 - o Is there a difference between groups?
 - o What metric works best?
- Look at beta diversity (PCoA)
 - o Is there a separation between the groups on PC1/PC2/PC3
 - o Are there additional (unexpected) separations
 - o What metric works best?
- Look at the data using EZCalour/Calour
 - o Filter min abundance, sort samples, cluster bacteria
 - o Plot the heatmap according to the groups and zoom in.
 - o Are there some bacteria showing interesting behavior?
 - o Do the special bacteria have something in common according to dbBact?
 - o Do differential abundance testing between the groups.
 - o Do dbBact enrichment analysis on the diff. abundant bacteria
- Summarize your findings