

Group meeting [February 11th 2026]

Parties present:

Claire
Alex
Howard
Ryan
David

Agenda:

- Recap state of literature review; what remains to be researched?
- Assign someone to upload meeting agendas/minutes so far to GitHub.
- Discuss Group Assignment 2:
 - What are our 4-5 aims (sub-questions to fully answer research question)?
 - What analyses do we need to include to address each aim?
- Assign tasks for Group Assignment 2.
 - 1 person per aim + corresponding analysis?
- Decide if/when to meet over reading break.
 - It would be good to decide a date/time to review & submit Group Assignment 2.

Meeting Minutes (taken by David):

- Lit Review: David
 - Water fowl and microbiota - antibiotic treatments seem to increase length of viral shedding but not pathogenicity of influenza
- Discuss Group Assignment 2:
 - What are our 4-5 aims (sub-questions to fully answer research question)?
 - What analyses do we need to include to address each aim?
 - Consider this to be practice for the larger assignment which is coming up after this group assignment - we don't have to have all the analyses done by next week
 - Brainstorming aims:
 - We have our big research question - Break it up into different steps, which then become our aims. Aim 2 can be dependent on Aim 1.
 - Think of our plots and then work backwards.
 - A lot of the analyses for group assignment 2 are covered in assignment 5

- Machine learning is potentially difficult due to how small our dataset is.
- Aims -
 - Potentially predicting subtype through machine learning via microbiome
 - Alpha diversity
 - Beta diversity
 - Which species are most different, most significant for diversity
 - Potential to look at virulence as a clinical factor
 - Check out the canvas examples to see structure as a proposal.
- Group meeting discussing for week of feb 19.
- For future agendas, include what analyses we have already run and if there are any coding errors, put screenshots.
- For future graphs, make sure to change the colors of our graphs - no default R colored graphs!! Make them pretty.
- Make sure that when we run code, think if it is a reasonable result - is there something wrong or strange about our final results? Don't trust the output - check it!
 - Discussion of our results has to be thorough in our proposal, but it will be much easier if we think about our results during our analyses and potentially write comments!

Action Items:

David - Upload our agendas to github

Thursday group meeting - 1-2 pm Thursday or after 5 pm - text by night of Feb 11.

Aims by monday next week - try to each come up 1 each but maybe text the group chat and check out the examples on canvas.

Decide on citation manager and get started on it.

Exploratory → focused analyses