

Team 10 Meeting Agenda - MICB 475

1. Journal Club

- Grouping of PMS/RRMS/SPMS/PPMS
- Discussed different classifications of MS subtypes in literature:
 - Some sources group all MS subtypes (PMS, RRMS, SPMS, PPMS) as part of PMS
 - The paper used for our project categorized MS subtypes differently, specifically grouping SPMS and PPMS as PMS
 - Clarified that our project will adopt the categorization where only SPMS and PPMS are considered PMS, in line with the manuscript data source
- Group consensus on keeping SPMS and PPMS as PMS for this study, as it aligns with the paper from which the data was derived. No issues expected with this classification
- Will include a brief note in the manuscript discussion to explain the grouping rationale and ensure clarity

2. Project Proposal Progress Update

- Manifest File
 - a. The manifest file was completed and verified. All necessary files and metadata are included
- Dataframe Processing in QIIME2
 - a. Elijah reported that the dataframe is currently being processed in QIIME2
 - b. The classifier is being trained and is expected to be ready soon
 - c. Elijah aims to have the data exportable to R within the next day for downstream analysis
- Proposal Writing
 - a. The background and hypothesis sections have been written and reviewed
 - b. Research objectives are clearly defined and aligned with the project's goals
 - c. The Gantt chart outlining the project timeline has been finalized, and all milestones have been scheduled
- Submission Timeline
 - a. The proposal is on track for submission before Caro leaves to China, with no major issues expected. All team members will assist in finalizing the proposal

3. Questions or Clarifications from Group Members

- No major questions from the group
- Team members sought confirmation on the data export timeline and the finalization of research objectives
- Elijah confirmed that classifier training is on schedule and should be completed soon

Next Steps:

- Continue processing the dataframe in QIIME2 and export the data to **R** for statistical analysis.
- Finalize and review the proposal draft for submission.
- Add a brief note in the manuscript to explain the categorization of MS subtypes.
- Prepare the presentation for the next meeting, focusing on progress made and challenges encountered.