## Nov 2, 2023 | [data play](https://www.google.com/calendar/event?eid=M25iaGhpcnBuNWFoZWJxMmNqdDhobWhlaG4gZ3VvZmFuZy5tYS5nckBkYXJ0bW91dGguZWR1)

Attendees: [J H](mailto:jane.han.gr@dartmouth.edu) [Freya Ma](mailto:guofang.ma.gr@dartmouth.edu), Joseph Nano

**Meeting Agenda**

* Discuss and share the **current progress**
* Discuss next steps and **future goals and steps**

**[Vision] Copied from proposal**

**Aim 1:** **Visualization of insomnia symptomatology in adolescents by subgroups**

1.1. Visually identify distinct subgroups among adolescents based on demographic variables (e.g., **Age, Race**) and their distribution on the **GCTI, ASHS, ASQ** battery tests.

1.2. Utilize data visualization techniques (e.g., **heatmap analysis**) to depict the relationship between identified subgroups and psychological factors. Provide an intuitive representation of how diverse psychosocial factors contribute to varied sleep patterns in adolescents.

**Aim 2:** **Statistical Analysis of Sleep Quality and Habits in Adolescents**

2.1. Use **sleep quality** to predict **mental health and habits** among adolescents with regression analyses.

2.2. Investigate if the interaction effect of significant predictor factor(s) above and the race factor is statistically significant.

**Meeting Notes with Ashlee**

* Focus on the data wrangling part in the presentation
* **Presentation** includes Q&A (within the 20 minutes)
  + Presentation 12-15 minutes
  + Q&A: 5 minutes
* **Write-up documentation** 
  + Follow the presentation outline
  + Ashlee’s group did a HTML (with build-in clicks)
    - R markdown
    - Shiny dashboard
    - Due with the presentation

**Final submission documents**

* Presentation 20 minutes
* Write-up

**Task, Action steps, and deadline**

* **Tuesday, Nov.7th, 4pm-5pm**
  + **Ask for Ashlee’s advise and feedback on our presentation**
  + Practice Presentation
* **Thursday, Nov.9th:** 
  + FINAL PRESENTATION
* **Future meetings:** 
  + ~~Thursday, Oct.19th, 4pm-5pm (or 4:30pm)~~
  + ~~Thursday, Oct.26th, 4pm-5pm (or 4:30pm)~~
  + ~~Thursday, Nov.2nd, 4pm-5pm~~
  + Tuesday, Nov.7th, 4pm-5pm (\*\*Practice Presentation\*\*)
  + **Thursday, Nov.9th: FINAL PRESENTATION**