

Supervisor Meeting 8

Date & Time: 07 Mar 6:00pm - 6:45pm

Venue: SIS Meeting Rm 4.7

Attendees: Prof. Kam Tin Seong (Supervisor), Wang Sijia, Ren Mengxi, Wang Tianjing

Absentees: Null

Agenda:

1. Update prof about the statistical test result according to midterm feedback
2. Update the current progress on R application

Details:

1. Statistical Analysis:
 - a. H_0 : their means are equal \Rightarrow small p value \Rightarrow reject H_0 .
 - b. The difference of mean of sophomore and junior is 6 days, is significantly different.
 - c. For each user group, look into different schools (SIS undergrads, MITB).
 - d. If mean is not the best way, use other alternative to test for difference: nonparametric test.
2. Web application:
 - a. Decide on whether we want to do a visualization tool or a dashboard/summary report. They might do not have enough time to explore one by one.
 - b. We should do all preparation at the backend. Use UI only to show the errors.
 - c. Plan our storyboard before code the application, decide on what is flow of data visualization.
 - d. Prepare full instructions(user guide) in a separate file for user to understand the functionalities of the application and how they should prepare the data in order to use the application, only have simple tooltips inside the application.
 - e. Design the UI based on user experience.
 - f. Some recommended R package for visualization: ggplot2, ggvis, sjplot (with contingency table).
 - g. When there are many graphs in one page, use tab to separate different graphs and try to avoid scrolling up and down.
 - h. Planning and design is the first step of the project. Only when you have properly planned, you could learn from doing this project.

Action Plan:

Item	Person in charge	Deadline
Plan storyboard and design web layout	All	Mar.12

Come up with task checkbox	All	Mar.12
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