

Supervisor Meeting 10

Date & Time: 22 Mar 10:30am - 12:00pm

Venue: SIS Meeting Rm 4.6

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

Absentees: Null

Agenda:

1. Inform prof we would like to reschedule next consultation to Thursday morning
2. Demo Shiny application
3. Next step:
 - a. Hover over text
 - b. Change view of absolute number and percentage
 - c. Add "user frequency"

Details:

1. Report View :
 - a. User Group:
 - i. General distribution: We should give a proper title to differentiate entry/visit/user level: for example total count of entries within 6 months.
 - ii. Add baseline for barchart.
 - iii. We can inform sponsor to update data (registered students) every year, or there could be a choice for user to update the data but we should be able to save the data for one year.
 - iv. Arrangement: We should sort different graphs properly. (Undergrads, master, phd)
 - b. The graphs should be able to compare vertically. Keep continuity between the graphs.
 - c. We could consider putting graphs side by side and try to avoid scrolling down in order to make the view look more concisely. We should be able to put the contents of three tabs into one view by using drop down list.
 - d. Alumni:
 - i. The graph should be consistent: user group first then hour.
 - e. Dean lister:
 - i. Dean lister vs. school: We could look further to see whether dean lister's across schools behave differently.
 - f. Be careful to clean out hour outliers.
2. Heatmap
 - a. Convert back month into "January" etc instead of numbers
3. The data cleaning process is only kept in the memory, and has not been saved properly.

4. Explore what is the best way to represent the data. Use Tableau or jmp to faster come up with the best design. Independent y axis. See more variation. Can use line graph for better view of changes.
5. Explore GGally for Trellis Graph.

Action Plan:

Item	Person in charge	Deadline
Fix heatmap and finalize graphs	Sijia	30 Mar
Generate user frequency related graphs	Mengxi	30 Mar
Explore new ways for data visualization	Tianjing	30 Mar