Internal Meeting 3

Date & Time: 03 Feb 4:00pm - 5:30pm

Venue: School of Business benches

Attendees: Ren Mengxi, Wang Sijia, Wang Tianjing

Absentees: Null

Agenda:

1. Continue data exploration based on supervisor's feedback.
2. Update each other about R learning progress and discuss about what specific technique should we use.

Details:

1. We further divide the dataset for different business interest: Undergrad vs. Postgrad; Term 2 vs. Exam period
2. To study time of the day, we derived average number of visits by dividing the number of hours in each basket. For academic term, we calculated number of days within the term and average of visit based on that. The most number of visit is 92 out of 110 days which means that at most there is no one who visit library everyday.
3. We also studied the usage pattern in terms of the day of week. There is an expected decrease in use during weekends. However, the number of students who come on Fridays are surprisingly high, ranked as second.
4. When we try to study the usage pattern of schools on unique user level, we found there is a big problem in our dataset. There are 176 out of 8670 students who have multiple schools and majors. We guess the error may be caused by wrong matching. We have difficulty to judge whether this portion is significant to drop or not, so we decide to pause our analysis and ask sponsor and supervisor for advice.
5. We spent some time to download and install the essential software for R programming. Through our research we found there is a framework called Shiny which allows building interactive dashboard relatively easily with lots of build-in libraries. We are not sure whether its bootstrap and deploy functions are sufficient for our project, which will remain as questions for next supervisor meeting.

Action Plan:

Item	Person in charge	Deadline
Consult sponsor about the wrong matched data	Sijia	Feb.6

Research more on Shiny and try out with simple applications	Mengxi	Feb.8
Consolidate the findings for per visit level	Tianjing	Feb.8