9 Feb 2017 Supervisor Meeting 6

Created by: Gareth Ng (10/02/17)
Edited and Vetted by: Jeremy Ong(10/02/17)

DATE	TIME	VENUE
09-Feb-17	1:30 PM – 2:30 PM	SMU SIS MR 4.6

Meeting Type	Supervisor Meeting
Facilitator	Chermain Ang
Note taker	Gareth Ng
Timekeeper	Jeremy Ong
Attendees	Chermain Ang (CA), Gareth Ng (GN), Jeremy Ong (JO), Prof Kam Tin Seong (TS)
Absentees	NA
Agenda	1. Discussion on Project Scope 2. Midterm Discussion

MEETING ITEM 1: Discussion on Project Scope		Time Allocated 50 mins
Name	**Discussion**	**Follow Up By**
CA	a. Discussed with Prof Kam the team's findings on the PISA data and asked for his advice on how the team should move forward. b. Asked Prof Kam if the team should merge all the PISA data together.	
TS	c. The team can analyze the data separately for the time being and do not have to merge all of them. d. The data itself has already a lot of variables and it is better to keep the files small. e. Only one person can work on the data if it is all put together. Recommended that each person focus on one file such as the cognitive file.	
JO	f. Showed Prof Kam the codebook file and what the team has done with it. g. The team grouped the questions by variables.	
TS	h. Mentioned that he is fine that the team removed/not consider the questions without responses in the codebook.	
CA	i. Asked Prof Kam on what should the end goal be for the team. j. Should the team focus on displaying the results on R or providing a detailed analysis on the PISA data.	
TS	k. Said that there are 2 approaches to the project which is what Chermain mentioned and the team should decide on which one to focus on.	

	l. First approach is to look at the content/data itself. From an education perspective, what can we gain from this data analytics? How can the team use data to understand the problems and issues within Singapore context. m. The other approach is to try not to be sensitive/sentimental to all this and focus on the technology(R). n. Mentioned that by the end of the day, each team will prepare their work in a form of a research paper. So the team should focus on the education policy and present findings.	
CA	o. Clarified with Prof on how the team should move forward with the data.	
TS	p. Stated that on a national level, the scores for Singapore is high. But the team should compare across Singapore and see if there are any variation at the question level and use this information to reveal some of the education issues. q. From the pupil survey about the school, the team can also gain some insights how individual schools operate. r. When linked back to the PISA results, it will allow the team to prove that schools with less support will have an effect on students' performance. s. The team should work out a method to calculate all the marks out from the cognitive data. t. In terms of learning, how to unbiasedly come up with a score of each student in the school. u. The team should decide on how to go forward in dealing with the booklets. Decide on whether to focus on common questions or consider all questions.	JO

Remarks

MEETING ITEM 2: Midterm Discussion	Time Allocated 10 mins

Name	Discussion	Follow Up By
GA	v. Checked with Prof Kam on the requirements for the midterm presentation.	
TS	w. By the midterm presentation, the team should complete how to get the composite score for	

	each main component and have done exploratory data analysis on performance across different schools. x. The team should also have tabled out school level surveys. y. Data should be cleaned and prepared by interim. z. Based on what the team finds out from the data, use it to tell a compelling story. aa. Requirements for interim are: presentation, report, minutes, files, and wiki.	
JO	bb. Thanked Prof Kam and called an end to the supervisor meeting.	
Remarks		

To-do

No.	Action Items	Person I/C	Deadline	Remarks
1s, t	1. Use JMP to find out how to calculate the marks for each student in the cognitive data	JO	15 Feb 17	