Singapore Management University
ANLY482 Analytics Practicum

Supervisor Minutes 5 as on 24th February 2017
Interim Presentation

Time Start:	9.00am
Time End:	9.35am
Location:	SIS Meeting Room 4-1
Recorded by:	Heng Kok Chin
Vetted By:	Peh Zhan Hao

Attendees:	
Dr Kam Tin Seong	Associate Professor of Information Systems (Practice)
Prakash Chandra Sukhwal	Instructor, SMU Information Systems Analytics 2nd Major
Heng Kok Chin	Undergraduate, Singapore Management University
Peh Zhan Hao	Undergraduate, Singapore Management University
Tan Yong Kiong, Alson	Undergraduate, Singapore Management University

Agenda
1.   Feedback from Supervisor

No.	Discussion:	Action by:	Deadline:
1	**Feedback from Supervisor**		
	General Descriptives • Include the significance table for the 'O Level Performance by Subject Combination (2014)' so that we can better see the difference • If the school wants to push student from '1 Pure 1 Combined' to 'Double Science', they need to see the data to support the decision • '1 Pure 1 Combined' is about 11 (2015 median L1R4), 'Double Science' is about 10.5 (2015 median L1R4), it is very close, we want to make use of the data to have more confidence in making decision, not a wild guess (look at more statistics) • Principal can have a good confidence to support that he is making a right decision in pushing a student into a certain subject combination • Make the y-axis similar for 'Prelim & O Level Performance by Class (2014)' and other graphs so that it is easier to compare • Prof Kam mentioned that we want to see how consistent is their Prelim and O Level results • We should show the Prelim and O Level in the same graph (for easier comparison) • Help the school to justify and prove how well they prepare their students for Prelim and the way they are doing it is a good preparation for the O Level Evaluation of Current Practice • We should use only Math results from O Level to compare with S2_Overall_Math		

- R-Squared = 0.27 means it only accounts for 27% of the O Level results
- Focus on Math versus Math, Science versus Science
- Build a multiple regression analysis by including overall Math, Science as well as languages
- Redo the analysis and do it with different batches separately (for different O Level)
- Should do a multiple regression analysis or multivariate analysis to combine all these scores together and construct a model to see what is the combined effect on it
- Sometimes, students are forced to take subjects such as Chinese, but if the student is smart but is weak in Chinese, this will pull them down and they need to spend more time on it and possibly affect other subjects

Other Influential Factors
- For CCA, Prof Kam mentioned that his personal observation is that it should be based on the number of hours the students have committed
- For some CCA, there is a need to spend a lot of time on the CCA, like competitions and odd hours such as gym, group training etc. are sometimes not factored into records so it is hard to tell
- Lump into one group if the time spent is more or less the same
- For the time-series, it is only based on a small group of students
- Do a proper multivariate analysis for the time-series

Other Comments
- Instructor Prakash mentioned that having other factors (such as Socio-Economic Status, marital status and occupations of parents etc.) other than school environment is an interesting point to consider because they have impacts that we can consult