

Singapore Management University

ANLY482 Analytics Practicum

Sponsor Minutes 3 as on 13th February 2017

Time Start:	1.40pm
Time End:	2.30pm
Location:	Edgefield Secondary School Meeting Room
Recorded by:	Heng Kok Chin
Vetted By:	Peh Zhan Hao

Attendees:	
Mrs Wong Puay Kheng Mdm Candice Ngau Shu Mei Heng Kok Chin Peh Zhan Hao Tan Yong Kiong, Alson	Vice-Principal, Edgefield Secondary School Head of Department (Mathematics), Edgefield Secondary School Undergraduate, Singapore Management University Undergraduate, Singapore Management University Undergraduate, Singapore Management University

Agenda

1. Clarifications Regarding Missing Data
2. General Clarifications
3. Preparation for Next Meeting

No.	Discussion:	Action by:	Deadline:
1	Clarifications Regarding Missing Data		
	<ul style="list-style-type: none"> If it is one subject missing for CA1, SA1, CA2, SA2, then it is highly likely that the sponsor (Candice) forgot to click and include that subject But if there is inconsistency like only CA2 is missing for a certain subject, then it is highly likely that the system might not have the information DNT is taken in one semester so there wouldn't be complete information for the other semester This is the breakdown of the DNT and FCE (Food & Consumer Education): Sec 1 Sem 1 – DNT Sec 1 Sem 2 – FCE Sec 2 Sem 1 – FCE Sec 2 Sem 2 – DNT This should explain some of the missing data The sum of the marks for each subject does not add up to the overall marks It could be because the name of the subject change (between F&N and FCE), so that might be the problem causing the missing marks Alson suggested that we could possibly ignore the marks from the overall but doing so might affect the accuracy 		

	<ul style="list-style-type: none"> • Candice will check and get back to us again regarding the missing data and discrepancies • No student took pure history during Secondary 4 in 2014 • No student took pure history <u>and</u> pure geography during Secondary 4 in 2015 • No student took pure geography during Secondary 4 in 2016 																		
2	General Clarifications																		
	<ul style="list-style-type: none"> • Showed the sponsor the number of students in each of the science streams for the year 2014, 2015 and 2016 • Sponsor confirmed that the proportion of students in each science stream is about just right • Year 2016 should include '1 pure science + combined science' stream • There is a weightage of each exam that determines the science streaming in Secondary 2, it is as follows: <ul style="list-style-type: none"> - 1st Combined comprises of 37.5% CA1, 62.5% SA1, makes up 40% of total - 2nd Combined comprises of 25% CA2, 75% SA2, makes up 60% of total • For Secondary 4 Prelims, calculation of overall is all by itself (does not include any other factors) • In Secondary 4, there is only supposed to be three sets of data as opposed to four • The team is unsure of which set of data correspond to which examination, so this is the breakdown told to us by the sponsor: <table border="1" data-bbox="201 1176 1142 1326"> <thead> <tr> <th></th> <th>Common Test</th> <th>Mid-Year Exam</th> <th>Prelim</th> </tr> </thead> <tbody> <tr> <td>2014 Sec 4</td> <td>SA1</td> <td>CA2</td> <td>SA2</td> </tr> <tr> <td>2015 Sec 4</td> <td>SA1</td> <td>CA2</td> <td>SA2</td> </tr> <tr> <td>2016 Sec 4</td> <td>CA1</td> <td>SA1</td> <td>SA2</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • The team is interested on how the composition of students in Secondary 1 and Secondary 2 classes are decided • The Vice-Principal, Mrs Wong explained that it is done in a uniform distribution manner • All incoming Secondary 1 students are first ranked by T-score • Then they are uniformly assigned to each of the class (if there are a total of five classes, the 1st, 6th, 11th ... student will be assigned to the first class and the 2nd, 7th, 12th ... student will be assigned to the second class and so on) • The assigning of Secondary 2 students to their class is using the same process • But instead of using the T-score, the students' Secondary 1 results is used • This method ensures that there is an equal mix of students with various levels of academic performance 		Common Test	Mid-Year Exam	Prelim	2014 Sec 4	SA1	CA2	SA2	2015 Sec 4	SA1	CA2	SA2	2016 Sec 4	CA1	SA1	SA2		
	Common Test	Mid-Year Exam	Prelim																
2014 Sec 4	SA1	CA2	SA2																
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	<ul style="list-style-type: none"> • The PSLE scores that seemed weird (a seemingly bad result can yield the same aggregate score as a decent result) cannot be explained by the sponsor as well • It might just be that some of the grades are at the lower band of the grade and some are at the higher band of the grade • Zhan Hao asked if there is any moderation in the case that there is an easy exam and a difficult exam which affects the performance of students • Candice replied that there is no moderation, the scores obtained are as it is 		
3 Preparation for Next Meeting			
	<ul style="list-style-type: none"> • The team passed two copies of NDA to the sponsor for them to read through and sign • The team will get back one copy from the sponsor next week • Zhan Hao reiterated our plan for this project is to see how well the students has performed based on the current streaming practice and to analyse how the various subjects and science streaming affect the 'O' Levels L1R4/R5 results of the student • And hopefully by the end of this project, we would be able to come up with a model for the school such that they can just input students data every year for better allocation to science streams • The team informed the sponsor that we will be meeting them again next week, before our interim presentation to our professor • Meeting date next week is not set yet as the sponsor need to check on the availability of the Principal, Mr Lee 	Edufy	22 nd Feb 2017