Singapore Management University ANLY482 Analytics Practicum

Sponsor Meeting Minutes 2 as on 10th January 2017

Time Start:	1.00pm
Time End:	2.30pm
Location:	Edgefield Secondary School
Recorded by:	Heng Kok Chin
Vetted By:	Tan Yong Kiong, Alson

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

Agenda

Discuss the requirements for the dataset

- 1. Student ID (coded)
- 2. Students' examination grades for all subjects (4 years of data) and their individual subject grades (for CA and SA)
- 3. O Level & N Level scores
- 4. Students' Subject Combination (Pure sciences versus. Combined sciences)
- 5. Students' Class (Express versus. Normal)
- 6. PSLE scores

Clarifications

- 1. Exact criteria in deciding whether to award a student double science or combined science combination
- 2. Is this a school or MOE guideline?
- 3. NDA

No.	Discussion:	Action by:	Deadline:
Α	Initial confusion between the objective of this project:		
	 Our team initially thought that it was making better subject combinations between pure sciences (double and triple pure sciences) or combined sciences However, the Vice-Principal had the impression that it was between triple pure sciences and double pure sciences as the rationale was that many parents will push their children to take triple sciences and if their children couldn't make it, double sciences were the other option 		

1	Eventually, after clarifying this problem is streaming double or triple sciences. make better decisions and sciences or combined scie sciences or combined scie will of course be a bonus. • Every year, there appeal to go to pur requirements set • It is very hard for pure sciences bas • Students can hav scores (how to se • The Principal ment they can refer to to pure sciences if • Can see it as an o (example of Englin Science)	g with the Principal, he mer the students entering Seco How to better inform them d whether they should be a ences. The focus is on the d ences but analysing double are about 10-20 students w ure sciences when they did out by the school the school to decide who s ed on "feelings" e high aggregate score but e which is a better predictor ntioned about looking at wh before they decide if they w nstead of combined science verall score as well as by in sh Literature & Science vers	ntioned that the basis of ondary 2 into combined, n, using predictors to illowed to take pure istinction between pure sciences or triple sciences who are making the n't make the hould be allowed to take low mathematics/science or) nat are the predictors that want to push this student es dividual subjects sus Mathematics &		
	• A student current in O Level if they	have taking pure sciences mig	ices instead		
2	 Clarified the requirements of the data with the Principal & Vice-Principal: Only data from express stream will be given to us Only data from the 3 cohorts that graduated ('14, '15, '16) and four years from each cohort will be given to us Student ID will be encoded to ensure confidentiality O Level scores and PSLE scores will be given as well Use the data to benchmark against the L1B5 score at the end of 4 years 				
В	Criteria in selecting stude	ents for various science cor	mbinations		
	Triple Pure Sciences	Double Pure Sciences	Single Pure Science + Combined Sciences - Mathematics &	Combined Scier	ices
	- Mathematics & Science scores >= 70%	- Mathematics & Science scores >= 67%	Science scores possibly around >= 60 - 65%		
1	The actual criteria might a meeting the requirement On average, there are above - 0.5 - 1 class of trians - 1.5 classes of dou - 1 - 1.5 classes of - 2 - 2.5 classes of	adjust up or down, based o s. out: ple sciences students ble sciences students single pure sciences + coml combined sciences student	n the number of students bined sciences students		
	This is also a guideline set by the school itself. One problem the school faced is the communication of criteria to the students on whether overall score is used or individual science scores are used in deciding the science				

	combin scores neglec science	nations. If it is made known to the students that individual science are used, students will focus on scoring well for their sciences and t other subjects. Their overall might not be good but their individual e scores qualify for the requirements. How to weigh between these?		
С	NDA			
1	Showe	d the NDA briefly to the Principal & Vice-Principal. The Principal		
	reques	ted that we send the NDA to them for further viewing.		
D	Action	Items		
	1.	To send the NDA to the Principal and Vice-Principal for them to look	Edufy & ESS	14 Jan 2017
		through		(Sat)
	2.	Request from the Principal to have no identification of fields leading	Edufy & ESS	14 Jan 2017
		back to the school (ensure that this is adhered to)		(Sat)
	3.	Obtain data from the school	Edufy & ESS	14 Jan 2017
				(Sat)