

Singapore Management University

ANLY482 Analytics Practicum

Sponsor Meeting Minutes 1 as on 22nd December 2016

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| Time Start: | 5.30pm |
| Time End: | 6.15pm |
| Location: | Edgefield Secondary School |
| Recorded by: | Tan Yong Kiong, Alson |
| Vetted By: | Peh Zhan Hao |

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| Attendees: | |
| Mr Lee Peck Ping Mrs Wong Puay Kheng Peh Zhan Hao Tan Yong Kiong, Alson | Principal, Edgefield Secondary School Vice-Principal, Edgefield Secondary School Undergraduate, Singapore Management University Undergraduate, Singapore Management University |
| Absent with Apologies: | |
| Heng Kok Chin | Undergraduate, Singapore Management University |

Agenda

Problem identification and data set collection

1. Identify a business problem at hand
2. Gain better understanding of school's curriculum/assessment/
3. Discuss about data set provided

| No. | Discussion: | Action by: | Deadline: |
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| A | Common Understanding | | |
| | <ul style="list-style-type: none"> We will have weekly meetings, either through face-to-face or Skype meetings This is to prevent mismatch of expectations between the team and the sponsors, and to update the sponsors of the team's progress It is understood that the name of school can be shared internally i.e. with supervisors, students and attendees of the conference | Mrs Wong | |
| B | Two Organizational Problems | | |
| 1 | Making better subject combination choices for students (Double science vs combined science) (Selected Problem) <ul style="list-style-type: none"> Currently, teachers face the difficulty of deciding whether to let a student take double science or combined science during sec 2 streaming (those who fall slightly below the cut off grades) Decision is currently made based on their overall achievement, respective science scores and teachers' feedback on students' conduct This makes it hard for teachers to convince parents that their students should/should not take double science (since most parents want their students to take double or even triple science) If we can derive useful insights and findings from our analysis, we are able to help teachers make better decisions, and to better convince parents | Mr Lee | |

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| 2 | Making better decisions when laterally transferring students from Normal Technical → Normal Academic → Express <ul style="list-style-type: none"> • What is the ideal/required grades for them to transfer? • Decision is made annually (based on CA1, SA1, CA2, SA2) • Is the current requirement by MOE too conservative? | | |
| C | What we will be analyzing | | |
| 1 | <ol style="list-style-type: none"> 1. Using past students' grades to help decide and predict results for future students 2. Double vs Combined Science (If we can analyze for triple science that will be a bonus) 3. Note: 1 Pure 1 Combined Science combination is still available for students 4. Literature 5. Students are encouraged to take literature from Sec 1 6. Mr Lee is particularly interested in the impact of studying literature has on the student's performance (will be good if we can incorporate this in) 7. CCA Groups & LEAP scores 8. Any impact of CCA groups on students' performance? 9. Any impact of CCA Points (LEAP scores) on students' performance? 10. Each component L,E,A,P is graded based on Level 1 - 3 | | |
| D | Action Items | | |
| | <ol style="list-style-type: none"> 1. To discuss and get back to them on the list of data that we require from the school for our analysis 2. To discuss and design the structure and flow of our analytics project according to Prof's flow chart in the briefing slides 3. To work on our Analytics Project Proposal (By 1 Jan 2017, Sunday, 2359) | Edufy & ESS Edufy Edufy | 6 Jan 2017 (Fri) 6 Jan 2017 (Fri) 1 Jan 2017 (Sun) |