Singapore Management University
ANLY482 Analytics Practicum

Internal Minutes 9 as on 15th March 2017

Time Start:	1.10pm
Time End:	4.20pm
Location:	SOE GSR 4-4
Recorded by:	Heng Kok Chin
Vetted By:	Peh Zhan Hao

Attendees:	
Heng Kok Chin	Undergraduate, Singapore Management University
Peh Zhan Hao	Undergraduate, Singapore Management University
Tan Yong Kiong, Alson	Undergraduate, Singapore Management University

Agenda
1. **Findings from JMP**
2. **Monte Carlo Simulation Research**
3. **Conference Paper**
4. **Work Allocation**

No.	Discussion:	Action by:	Deadline:
1	**Findings from JMP**		
	• Alson performed analysis on the newly obtained data - CCA Category, Parents' Occupation, Type of Residence, Language Spoken • Results are not significant because the size of some category is not large enough, some jobs are difficult to be classified, even using the categorization • Alson also placed the graphs generated using JMP into PowerPoint slides		
2	**Monte Carlo Simulation Research**		
	• Kok Chin researched into Monte Carlo Simulation • He found out that Monte Carlo Simulation is mostly used for stochastic models which relies on some randomness in the input variables • After which, the model can be carried out many times to come up with varying results and a distribution • The team thinks that the model that the team is currently building is a deterministic model and might not be suited to perform a Monte Carlo Simulation • As this would affect the direction of the conference paper, the team decides to email Prof. Kam to clarify about Monte Carlo Simulation • The team also emailed to arrange for a last minute meet up with Prof. Lee Wee Leong at his office to consult him regarding Monte Carlo Simulation		

	• Prof. Lee helped the team to understand more about Monte Carlo Simulation and suggested alternative ways (such as profiling) to look at the problem		
3	**Conference Paper**		
	• Zhan Hao came up with a rough structure for the conference paper • It is difficult to determine the exact structure and direction of the conference paper because the team is unsure on whether they can use Monte Carlo Simulation in the R Model • Zhan Hao proposed doing by an iteration-based structure and incorporate the Monte Carlo Simulation as changes we made between Iteration 1 and Iteration 2 • Another structure was to give Monte Carlo Simulation its own section as it could possibly be a huge section • However, after discussion, the team decided to go with the structure proposed by Zhan Hao		
4	**Work Allocation**		
	• Focus on Panel Data Analysis using JMP	Alson	20 Mar 2017 (Monday)
	• Focus on the structure and literature review for Conference Paper	Zhan Hao	
	• Focus on improving the R Model (boxplots for all subjects, simulating the data for similar batch and possibly Monte Carlo Simulation)	Kok Chin	