

Prof Meeting Minutes #7

Date/Time 16th Mar 2017, 10am to 11am

Venue School of Information System, Meeting Room 4.3

Attendees Aishwarya Agarwal and Nasrullah Bin Khairullah

Agenda Share our logistic regression model analysis with Prof Kam

S/N	Notes/Task	Actor	Follow up Action
1.	Took Prof through our log book and the logistic regression model. Prof Kam suggests that we need to test different cut-off points (eg. 10%, 15%, 20%) and find an optimal balance between overall model prediction and no-show prediction		
2.	<p>We need to recode the postal code logically. Mark out the areas around the hospital and code it according to nearest neighbour to the hospital. We need to analyze based on convenience for the patients.</p> <p>In order to do that, we need to prepare for geospatial. As we have postal codes, Prof Kam suggested us to use Tableau 10, which has an automated job coding function. This would give us the latitudes and longitudes for mapping the location of each patient into the Singapore map.</p>	Nas	Geospatial Preparation
3.	For categorical variables, we shouldn't have too many groups. A rule of thumb is to keep 6-8 categorical classes.		
4.	Do model comparison for logistic regression and decision tree on JMP		
5.	<p>For the research paper, it would be interesting to discuss how the model was built to understand the no-show issue. It would be essential to bring out the best practices. Highlight the initial exploratory analysis done, the steps taken to clean the data and sort it.</p> <p>Bring in the special experience learnt from the whole process. Highlight the logic used in every decision made</p>	Zoe and Aish	To look through past conference papers and research papers

