Prof Meeting Minutes # 6

Date/Time	9th March 2017, 10am to 11am
Venue	School of Information System, Meeting Room 4.1
Attendees	Nasrullah Bin Khairullah and Zoey Loh
Agenda	Enquiry on the predictive models

S/N	Notes/Task	Actor	Follow up Action
1.	Nas asked Prof Kam on how we could improve the model in terms of the prediction power. Prof Kam explained that the poor prediction power lies in the way we defined our no-show appointments. This is due to JMP Pro's default assumption that the chance of no-show is 50% but in our case, it should be much lower as the number of no-show appointments is significantly lower than the number of attended appointments. Thus, the cut-off point needs to be reduced. We should try the cut-off point 15% first	Nas	Reformulate the prediction with new cut-off point
3.	Nas clarified with Prof Kam that the sandbox for per patient should be multiple linear regression instead of logistic regression as we are only looking at the dependent variable, no-show rate. Prof Kam agrees.	Nas	Build a multiple linear regression model for per patient
4.	Prof Kam cautioned us to be careful of multicollinearity as well as quasi-separation. We should recheck the data by doing a correlation analysis as well as univariate analysis for continuous variables. Do frequency for how the variables affects the outcome for the data	All	

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