ISYS3401 IT Evaluation

Group Assignment

This group assignment is for you to demonstrate that you can conduct an IT Evaluation. A group is made up of 3 to 4 students, preferably from the same tutorial.

Requirements

(1) Firstly, you have to decide what objective of your IT evaluation, i.e. what your IT Evaluation is about.

(2) Secondly, you have to select a domain (such as websites, Digital services, or Digital products) to conduct your IT Evaluation. Your selection of the domain will influence (3), (4) **and (5)**, and vice versa. The selection of the domain must not be controversial, such as a political website, or an anti-vegan website. As for the sample size, it is difficult to enforce due to the time limit. For survey, 30 to 50 of good responses probably will be enough for you to do your data analysis in (5).

(3) Thirdly, you have to create a model that fits your objective in (1). That is, you have to create a model with constructs and variables usually found in IS literature (such as TAM model). You can use the TAM model, which you have done a bit of research as a starting point. If TAM model does not fit your objective, then you can search for other models, which might fit your objective. In the case of TAM model, you might not need to use all the constructs from one model in one paper. You might "borrow" one construct from one paper, and a few more constructs from other papers to create your model. However, you must reference where you get your materials, and justify the construction of your model. You then need to select the most appropriate research methodologies from below:

   (a) A Likert-scale type questionnaire (quantitative), or a survey with both Likert-scale type questions and open-ended questions (quantitative and qualitative);
   (b) Interviews (qualitative); or
   (c) Experimental group versus the control group (quantitative or qualitative).

   Note: of the three methodologies, (b) and (c) are riskier to do if you do not have any prior experience from other courses.

(4) You must have a strategy to collect the data; for example, a paper survey or an online survey. The ability to collect the data is crucial otherwise you might have data to analyse. For instance, there is no point to ask users about their experience in a self-driving car if a user does not own such a car (note: this is only an example).

(5) Once the data is collected, you then have to use the most appropriate data analysis technique to analyse the data. For instance, you might want to use t-test for experiment, or regression analysis for TAM model. You have to show and explain your findings. Apart from conclusions, you might have some recommendations.

Submission:

First Submission - Theoretical Part (10%) [Week 11 **Sunday**, 11.55pm]:

This cover (1) to (3).

Requirement: You need to submit a report of not more than 20 pages.

Structure of the Report	**%**
Introduction or Executive Summary • Summarise and highlight your research	**10%**
Research Objective • Purpose of your research, and explain why you want to conduct this research • Select a domain (such as websites, Digital services, or Digital products) to conduct your IT Evaluation. Justify the selection of such domain.	**10%**
Research Model • Introduce your research model • Explain the construction of your model • Discuss and justify the variables for each of the construct in your model including a table of questions which you will use when you conduct your questionnaire • Discuss the selection of research methodology and collection method • Explain and justify why your research model can achieve your research objective	**70%**
Limitations • Discuss limitation issues related to domain and research model, that is what issues are not covered in your research. **References** • List the papers you have reference in your report	**10%**

Second Submission – Data Collection and Data Analysis (10%) [Week 13 **Sunday**, 11.55pm]:

This cover (4) and (5).

Requirement: You need to submit a report of not more than 20 pages.

Structure of the Report	**%**
Executive Summary • Summarise and highlight of your data analysis, findings and recommendations	**10%**
Data Analysis and Results • Pilot Testing (if any) – discuss how you change your model or questions etc. • List and discuss the steps in your data analysis –data collection, and data analysis including any validity checking • List the tables, charts etc. you have created	**40%**
Discussion • Discuss your results/findings • Can the results/findings be explained your model? Discuss.	**30%**
Recommendations • Discuss your recommendations to a company or a university or in general	**10%**
Lessons Learned • Discuss any issues and problems you have experienced. • Discuss how you can overcome these issues and problems in future research.	**10%**

Note: Format of the report is a report you would present to an IT manager (plus you need references in your report).