**WQD7001 GROUP PROJECT (BATCH 7)**

**Final**

You are representing which group? GROUP L

State the leader name followed by members of the group and their contribution to the project.

i. Lim Kevin (17140821)- raw data searching, data cleaning, Shiny apps coding etc.

ii. Wendy Chong Pooi Mun (S2019483) - data cleaning, seeking domain expertise for laptop ranking, Shiny apps coding.

iii. Leow Yeong Chyi (S2022330)- data cleaning, Exploratory data analysis, laptop recommendation selection criteria.

iv. Soong Woei Meng (17147287)- data cleaning, Shiny apps coding and video presentation.

Project Title: Laptop Recommender

1. Is your initial title being the same with your final title? If different, state your initial title & reason for the changes.

Same.

1. What is the domain of interest you are working on?

E-commerce

1. Why are you personally interested in this domain of your project?

This domain is chosen because it is something that each of us will deal a lot with in our daily life. In this modern era, we will use a lot of Internet resources to purchase items, as it is much more convenient than before. Same as what being stated in Initial Question template, to be more specific, our project on laptop recommendation, it would provide end users with useful insights when making decision on which type of laptop to be purchased depending on own requirements (e.g. for data science, graphical designs, general etc). We are often in dilemma when there are too many choices available for us. Thus, by having comparison on different aspects, we will determine the strengths and weaknesses of different laptop types to ease users in making their decision.

1. What question(s) are you asking?

• What is the best laptop to be purchased based on one’s personal requirement?

• What is the second alternative to be purchased when the first one is not available?

• What is the current market’s trend or popular laptop among users nowadays?

1. For whom are you answering the question being asked? Name the beneficiary of the product.

Buyers of laptop (eg. students, working adults etc.)

1. Do you refer to the data science process to carry out this project? Yes/No If yes, which one?

Justify in few words:

Yes, from the very beginning of asking question, get the data, clean them up, EDA as well as data analysis, model deployment and documentation etc.

1. What data are you using? State the source.

<https://www.kaggle.com/muhammetvarl/laptop-price>

1. What kind of analysis are you doing?

Descriptive analysis

1. Do you consider your results significant? Briefly explain.

Yes, it served as a guideline or reference for ended users. It provides end users great suggestions and opinions before purchasing any laptop. Nowadays, marketing strategies are very strong and we are easily being blind-folded by the good and bad sides of any laptop. Thus, by referring to this project results, users would definitely have a better idea before making any decision.

1. What is your data product?

Laptop Recommender; to deduce for users the best option of laptop based on their own requirements.

1. Did you consider “reproducibility” in your work? Show evidence.

Yes, we have documented all our findings as well as codes used in proper manner. Sources referred also being recorded well. Also, having at least 1 laptop in every family is not surprising in this decade, especially in this period where most of the people are having new norm to work from home or study at home. Thus, it was believe that more researches would be carried out from time to time, and therefore the result of this project would be reproducible. It was believed that much more useful findings or innovation could be carried out in future to provide concrete suggestion on which laptop would be the best fit for one at that particular time frame.

1. Any issues and difficulties on this project or group members?

No, thanks for all the effort to make this project a success one!

END