Research Project Progress Report Week [6] – SIT723

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| **Student Name:** | Oscar WU |
| **Supervisors’ Names:** | Daniel Ma |
| **Project Title:** | Multi-lingual COVID19 misinformation detection and model explanation |
| **SIT723 Target Grade:** | HD |
| **Overleaf Project Link:** | https://www.overleaf.com/read/pbmgdmgghsnq |
| **Project Folder Link:** | https://github.com/wuyoscar/SIT723-Reserach-Project-A |
| **Worklog:** | 137 |
| **Project Plan** | |
| **Summary of the work planned with your supervisor:** | [Add details of the work you intended to complete, i.e., planned in consultation with your supervisors in the past/current week]   1. How to improve model (i.e. hyperparameter setting) 2. How to appropriately processing datasets 3. SHAP cost lot of budget and any solution to overcome this |
| **Summary of the work done:** | [Add details of the work you completed in the past/current week]  *If you did not manage to achieve all the planned tasks, add some explanation for the missed or incomplete tasks.*   1. *Implemented NLP and word-embedding* 2. *Advanced EDA for datasets* |
| **Next steps:** | [Add immediate next steps for the project, i.e., work planned for the upcoming week]  Try different subset and data processing skills to see if there are improvement on prediction accuracy. Because our datasets has attributes such as news\_content, news\_summary, news\_titiel, news\_claim. News\_claim is one or two sentence to summarize this news, it performs generally better than content. |
| **Overall project progress:** | [Add comments on the project backlog, i.e., your overall progress in the project for achieving the final results]  The final results of projects aims for:   1. Datasets contains covid19 misinformation which contains cross-domain and multiple news medium, which can be used in NLP covid19 detection research 2. CT-BERT Model should be generally better than benchmark model. 3. Model explanation should make public to understand what is happening inside ML black box model. |