



Research Project Progress Report

Week [6] – SIT723

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/pbmngdmgghsnq
Project Folder Link:	https://github.com/wuyoscar/SIT723-Reserach-Project-A
Worklog:	137
Project Plan	
Summary of the work planned with your supervisor:	<p>[Add details of the work you intended to complete, i.e., planned in consultation with your supervisors in the past/current week]</p> <ol style="list-style-type: none">1. How to improve model (i.e. hyperparameter setting)2. How to appropriately processing datasets3. SHAP cost lot of budget and any solution to overcome this
Summary of the work done:	<p>[Add details of the work you completed in the past/current week] <i>If you did not manage to achieve all the planned tasks, add some explanation for the missed or incomplete tasks.</i></p> <ol style="list-style-type: none">1. Implemented NLP and word-embedding2. Advanced EDA for datasets



Next steps:	<p>[Add immediate next steps for the project, i.e., work planned for the upcoming week]</p> <p>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_titel, news_claim. News_claim is one or two sentence to summarize this news, it performs generally better than content.</p>
Overall project progress:	<p>[Add comments on the project backlog, i.e., your overall progress in the project for achieving the final results]</p> <p>The final results of projects aims for:</p> <ol style="list-style-type: none">1. Datasets contains covid19 misinformation which contains cross-domain and multiple news medium, which can be used in NLP covid19 detection research2. 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.