Research Project Progress Report Week [4] – SIT723

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| **Student Name:** | Oscar Wu |
| **Supervisors’ Names:** | Daniel Ma |
| **Project Title:** | Discovering Covid-19 Misinformation using NLP |
| **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:** | 29  See worklog below attached |
| **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]   * We looked for possibility to fin fake bias phrase, which determines covid-19 information is fake or not * To learn Word2Vec and gradient vector of it * To learn BERT and RNN, Deep learning NLP |
| **Summary of the work done:** | |  | | --- | |  | | * Looked for Covid-19 datasets cross social media, such as reddit, twitter | | * Looked for supervised SVD which can contribute to my project | | * NLP processing datasets, text preprocessing | | * Collected covid-19 datasets | | * Studied existing paper in COVID-19 fake news detection | | * Learning NLP :languge model, word embedding, topic model- part i | | * Learning NLP :languge model, word embedding, topic model- part ii | | * Learning NLP :languge model, word embedding, topic model- part iii | | * Reviewed SIT723 week4 workshop | | * Collected more datasets and precessed | | * NLP modeling coding | | * RNN and LSTM implemented | | * RNN and LSTM implemented - part ii | | * BERT implemented | |
| **Next steps:** | To review work done and improve them |
| **Overall project progress:** | Contribution on Project sections of Method and Related work |

