

Research Project Progress Report Week [2] – SIT723

Student Name:	Oscar Wu
Supervisors' Names:	Daniel Ma
Project Title:	Discovering Covid-19 Misinformation and its effect
SIT723 Target Grade:	HD
Overleaf Project Link:	<u>Overleaf</u>
Project Folder Link:	<u>Project Folder</u>
Worklog:	40.3333333 hrs <u>Worklog</u>
Project Plan	



	Week1: We decided to conduct research about Media Bias. Because MIT publish a paper named "Machine-Learning Media Bias", which we quite like its idea and contribution. As a result, I spent much time on methodology of this paper (SVD, PCA, Bias Space). Media bias often relate to social science. It is necessary to get familiar with Qualitative Method, such as Content Analysis.			
Summary of the work planned with your supervisor:	Week2: Daniel and I further discussed how to implement Method using in "Machine-Learning Media Bias" to Covid-19 Misinformation. We have several Research Question:			
	 How to compare, contrast, evaluate, define bias in Covid-19 News? What is difference between Covid-19 fake News and Covid-19 Bias? 			
	 How the public' emotion (especial negative emotion) different when interacting with Covid-19? 			
	As a result, I searched a lot of papers (see evidence attached below) and used notetaking matrix to design research.			
	Initialled Git Repo and Overleaf, all necessary files in this project			
6.1	2. Upskilling on NLP, Python, Deep Learning, BERT, LaTex			
Summary of the work done:	3. Learnt how to use Deakin Library Tool, Such as Scopus, IEEE			
work done:	Xeploer, Nvivo2, Zotero 4. Using NoteTaking matrix to summarize finding of literature review			
	Evidence find below attached			
	Next week is week 3. I am planning to have these to do task:			
Next steps:	To find datasets or collecting datasets relate to my project			
	2. To learn Poisson Distribution and SVD, and PCA			
	3. To Learn NLP using Deep Learnig			
	4. To continue to search literatures			



Overall project progress:	[Add comments on the project backlog, i.e., your overall progress in the project for achieving the final results] At this moment, a big challenge is that getting familiar with Classical and Novel technique relate to my project. So far, I have set up all working environment and my supervisor also suggested a good direction to conduct research. Furthermore, I located a few research groups which conduct similar research in my project area. Their contribution and conclusion has a good influence on mine. Finally, Daniel Ma and I came up with RQ. I may continue to working each point mention above.
---------------------------	--

Reflection against Assessment Rubric

Add comments and evidence against your target grade for each criterion in the assessment rubric. You should also provide evidence (relevant to your target grade) on how you meet all the relevant criteria for that grade based on your progress so far.

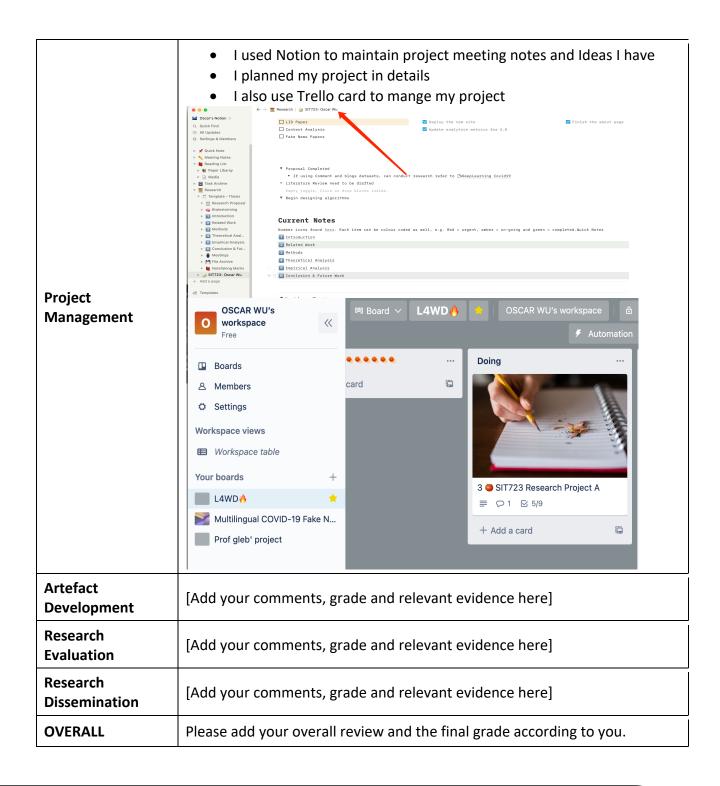
In case you have not started work on a specific criterion, e.g., research evaluation, leave it blank.

Your reflection on work done so far against the assessment rubric criteria



Literature Review	I have searched some papers wh A common limitation in lactorial of the papers is and there is clear explant instead of Machine. NLP did not perform very detection Title A systematic survey on deep learni Automated identification of bias in Automated identification of bias in Distorting the News? The Mechanis A Survey on Bias and Fairness in M A Survey on Bias and Fairness in M NewsMTSC: A Dataset for (Multi-)T NewsMTSC: A Dataset for (Multi-)T An Objective Search for Unrecogniz Machine-Learning media bias Polarization in the contemporary p Deep Sentiment Classification and	Bias detection about Covidation how biased well in	r around to 19. as and fake detection Year 2021 2021 2021 2021 2021 2021 2021 20	Publication International Journa Information Process Political Behavior arXiv:2105.03313 [ACM Computing Su arXiv:2105.09660 [Proceedings of the Journal of the Amer arXiv:2109.00024 [Current Opinion in IEEE Journal of Biom	● E○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○	
	Media Bias, the Social Sciences, and Automated Identification of Media	Hamborg et al.	2020	Proceedings of the 2019 ACM/IEEE Joi		
	Automated identification of media	Hamborg et al.	2019	International Journa	0	
	Trust and distrust in online fact-ch	Brandtzaeg and	2017	Communications of	0	
	A social-science perspective on me	Groseclose and	2005	Critical Review		
Technical & Academic Writing	[Add your comments, grade and relevant evidence here]					
Research Design	[Add your comments, grade and	l relevant evi	dence here	e]		







Additional Evidence

Add any evidence that supports your case for your target grade. For example, screenshot of git commits log, screenshot of your cloud storage folder, progress in your research report or artefact development, or a visual chart to illustrate project progress so far.

This is your research project, and you need to demonstrate (with evidence) how you meet criteria for a certain grade. Make this project report easy to read and help anyone reading this report assess, with least effort, the progress you have made.