**Artefact Directory:**

Research Proposal:

* ‘ResearchProposalEdited.pdf’

Ethics fast-track application:

* ‘CS Fast-Track Ethical Approval Form\_Nathanael\_WASigned.pdf’

Ethics fast-track application approval:

* ‘EthicsApproval.docx’

USA and Covid-19 keywords for subreddit filtering:

* ‘USAplusCOVIDkeywordsForSubredditFiltering .docx’

Pre-processed and filtered Reddit dataset:

* ‘USA\_and\_Covid\_specific\_Dataset.csv’

Time series dataset after BERT classification of above dataset:

* ‘Time\_Series\_Reddit\_classified\_Dataset.csv’

Brief information regarding the datasets:

* ‘DatasetInformation.docx’

Multi-classification BERT model code:

* ‘MultiClassBERTcode.docx’

Binary-classification BERT model code:

* ‘BinaryClassBERTcode.docx’

Multi-classification BERT model:

* ‘MODEL\_User\_final\_2e\_d02\_ep5’ folder

Binary-classification BERT model:

* ‘MODEL\_Contact\_final\_2e\_d02\_ep4’ folder

Links to BERT models if issues with provided BERT models:

* ‘BERTmodelsLink.docx’

Code snippets for the training/test set generation, feature validation, hyperparameter tuning, walk-forward testing, and average metric generation:

* ‘ForecastingExercise.docx’

Visualisation to aid Methodology overview:

* Methodology Overview.docx