Meeting Notes- Group 21

KRYSTAL DOWLING, CHARLOTTE WILLIAMS, LAURA HEARD, YIFAN LUO

Thursday September 10th 11:30am – 1pm
- Joined in group during lab time
- Discussed meeting times
- Organised GitHub repository
- Discussed datasets and agreed to individually research datasets and come with idea to next meeting
- Next meeting scheduled for 7pm Monday

Monday September 14th 7pm-820pm

Discussed two potential datasets and the machine learning practices we potentially will use.

Movie recommender system

Fake news detection
- Chose this idea
Datasets
- Labelled tweets from @politifact
    o Twitter data not usable in its form
- News articles
    o Fake news datasets from Kaggle, true news dataset from Signal Media
Potential Methods
- Reliability of source
- Sentiment analysis
- Deep learning
    o Neural network
- GANs <- a neural network to try trick our own neural network

Learnt how to pull and push with Github

To Do:
- Work on basics of proposal
- More research into datasets and machine learning methods
- Scheduled meeting for Thursday night to write methods and finalise proposal.

Thursday September 17th 11:30am – 1pm

- Met Luke in person!

Worked on project proposal
- Brought forward researched ideas since last meeting; datasets and method ideas
- Generated more analysis ideas
- Outlined and explored more method ideas as a group
- Went through datasets, deciding on which to use

- Defined visualisations for analysis and evaluation techniques
- Went through and refined and edited writing for datasets and task
- Organised method

To do:
- Individually write sentences for proposal supporting and referencing the reasons for method choices
- Formatting
- Meeting planned for 7pm tonight (17/09) to finalise proposal

Thursday September 17th 7pm-7:35pm

- Met and added final sentences that we had worked on individually
- Read through the proposal together to proofread
- Submitted proposal

To do:
- Meeting planned for next Thursday (24/09) during lab time

Thursday September 24th 11am-1pm
- Discussing the timeline for the project
  o Pre-processing sept 30/oct 1st
  o Models 12/13th Oct
  o Tweaking model, Evaluation, analysis 19/20th Oct
  o Video on 23rd Oct
  o Report on 30th Oct
- Assigning roles to each group member: pre-processing (Krystal and Laura), embeddings (Luke) and classifiers (ML- Laura, NN- Charlotte and Krystal).
- Going over the datasets to determine which are best suited
  o Confirming datasets and features.
  o Not including source in the model to focus on the text analysis, removes bias in the model based on the source. Potentially more interesting just looking at NLP.

To-Do:
- Pre-processing assigned tasks
- Embeddings
- Setting up google co-lab
- Next meeting Friday 25 12:45pm to discuss co-lab, and Monday 28 1pm to discuss completed pre-processing.
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Thursday September 24th 11am-1pm
- Charlotte explained how to use google colab.
To-Do:
- Pre-processing assigned tasks by Laura and Krystal
- Next meeting Monday 12:39pm to discuss completed pre-processing.

Monday September 28th 12:30pm-1pm
Checked in to cover and explain work that had been done since previous meeting.
Laura- Edited all datasets to merge together in correct format, some duplicate and missing vals
Krystal- Data cleaning for outliers + noise, missing / incorrect vals + duplicates

To-Do:
- Embeddings by Luke
- Next meeting Friday 2nd Oct 8pm to discuss completed embeddings

Friday October 2nd 8pm-8:15pm
- Luke explain the embeddings he had done, doc2vec and pytorch; to be fully completed by Sunday

To-Do:
- Classifiers by Laura, Charlotte, and Krystal
- Next meeting Monday 12th to go over completed work

Monday October 12th 8pm-8:30pm
- Krys, Laura + Charlotte compare and explain what they've done and accuracy from ML models and Neural Networks
- Plan what to do for analysis

To-Do:
- Classifiers evaluation + analysis by Laura, Charlotte, and Krystal
- Luke to do some preprocessing word analysis and look for ideas
- Next meeting Thursday 15th during the lab to touch base

Thursday October 12th 11am-12pm
- Compare evaluation metrics
- Plan out sections for video to write and outline what to include in each section
- Create outline for final report and pre-emptively divide into sections

To-Do:
- Write out video sections (intro + ML- Laura, Preprocessing + Embedding- Luke, CNN + Conclusions- Krys, LSTM + Conclusion- Charlotte)
- Next meeting Wednesday 21st to practice video and edit sections together
- Understanding to message each other updates and work completed to review prior to then

Wednesday October 21th 11am-12pm
- Discussed structure and script of video
- Edited and condensed script
- Worked on accompanying power point

To-Do:
- Add CNN part to script and PowerPoint
- Meet again in tutorial tomorrow to finalise

Thursday October 22th 11am-1pm
- Worked on cutting down script for video
- Recorded practice submissions
- Briefly discussed report allocation

To-Do:
- Plan to meet again later in the afternoon

- Further reduction of script
- Film final recording

Thursday October 22nd 4:30-5:30pm
- Finalised the script
- Recorded the final video

To-Do:
- Pass the video to Krystal to submit
- Meeting again tomorrow to finalise allocation of the report

Friday October 23rd 1-2pm
- Finalised allocation of report
- Discussed structure and content of each section
- Set deadline for Wednesday 28th for Luke, Charlotte and Laura to finish sections

To Do:
- Meeting on Monday 26th 1pm to work out latex style file
- Get started on writing the report

Monday October 26th 8pm
- Krystal showed us Overleaf and how to add citations
- Revised deadline of report sections being done to later in the week

To Do:
- Meeting Thursday in tutorial
- Begin editing finished sections of report
- Continue writing up sections of the report

Thursday October 29th 11am-1pm
- Begin editing report
- Krystal and Charlotte discussing work on the introduction, continue to finalise
- Planned for structure of discussion

To Do:
- Laura, Charlotte and Luke to have finished writing/ editing sections by Sunday 1st
- Krystal given extension so conclusion to be written together Monday 2nd
- Final edit and submission to happen Monday 2nd or Tuesday 3rd