BREAK THROUGH TECH

Meeting Notes and Agendas (November)

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Monthly Meeting #1: Full Group Meeting

Meeting Date:	Nov 1, 2024
Meeting Time:	10:00 AM EST
Meeting Location:	Virtual ▾ Zoom
Meeting Type:	Full Group Meeting ▾
Student Team Members: *(check box if in attendance)*	☑ Kennedy Martin ☑ Ana Garcia ☐ Jannatul Nayeem ☑ Helen Song
Other Attendees: *(e.g., Challenge Advisor, TA)*	Sean Underwood (Challenge Advisor), Mary Gibbs (Challenge Advisor) and Preston Firestone (TA)

MEETING AGENDA

I. Game Plan and Direction **~ 5 mins**
   A. Check in on the current version of the model and dataset. Are there any blockers?
   B. Discuss upcoming milestones and deadlines, and if we are on track to meeting them. Do we need to adjust anything based on recent findings?
II. Template Creation **~ 15 mins**

A. Are the current socio-economic template sentences capturing the intended aspects of socio-economic bias effectively? If not, how can we better improve them.

III. Measuring Bias **~ 15 mins**

A. What metrics should we prioritize to measure bias effectively? (F1-score, std, average score changes?)

IV. Presentation Talk **~ 15 mins**

A. Discuss our presentation and gain some insights and tips on what to add onto our slides.

V. Open Discussion **~ 10 mins**

A. Open the floor for any questions, concerns, or suggestions.

VI. Action Items and Next Steps **~ 5 mins**

A. Summarize action items and assign responsibilities.

B. Set deadlines and schedule the next meeting.

MEETING NOTES

Discussion Topic	Notes
	Instead of varying countries, look into certain countries and get standard deviation (any other countries that the language model loves and hates)
	Take collabs and combine them for a ==cohesive project==. Test with both sentiment and LLM

ACTION ITEMS

Task/Assignment	Team Member	Deadline
Build out framework (asynchronous works too) in ONE space Framework: https://colab.research.google	*ALL*	10/06/2024 - Wednesday

.com/drive/1avt0u4-ydX94uC bGC2bSVDxcvmKzcyiT?usp=s haring#scrollTo=sDVaY6TdC H05		
Run through sentiment for framework		
Meet together to look at results → agree on how to present results	*All*	Nov 5, 2024
Split up how to make visualizations		
If have time, put in LLM as well		Nov 8, 2024

For varying gender vs nationality vs description - first vary one nationality, pick most neutral one and fit other ones

10-15 templates?

Monthly Meeting #2: Student Team Meeting

Meeting Date:	Oct 11, 2024
Meeting Time:	11:30-12:30 CST
Meeting Location:	Virtual ▾
Meeting Type:	Team Meeting ▾
Student Team Members: **(check box if in attendance)**	☑ Kennedy Martin ☑ Ana Garcia ☑ Jannatul Nayeem ☑ Helen Song
Other Attendees: *(e.g., Challenge Advisor, TA)*	

MEETING AGENDA

VII.   Icebreaker **~ 5-10 mins**

VIII.   Go over Sean's suggested timeline for the next few weeks **~ 10-15 mins**

IX.   Discuss sentence templates **~ 20 mins**

X.   Discuss plan for the next week **~ 15 mins**

MEETING NOTES

Discussion Topic	Notes
Sentence templates	Continued to modify sentence templates in Google Colab and running them to see any changes in sentiment.
Visualizations	- Kennedy is working on visualization using Excel - Jannatul and Ana are using langtest to get generated results so we can get the csv of those to analyze results?
Analysis	Will conduct analysis and use this doc to write down our findings.
Suggested Timeline	According to Sean's suggested timeline we are on track for this week, we will just focus on completing the framework and analysis

ACTION ITEMS

Task/Assignment	Team Member	Deadline
Continue analyzing results and findings	*All*	Nov 15, 2024
Create/experiment with creating visualizations on either Excel, Google Colab, or	*All*	Nov 15, 2024

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		Nov 15, 2024
		Nov 15, 2024

Monthly Meeting #3: Full Group Meeting

Meeting Date:	Oct 18, 2024
Meeting Time:	10 AM - 11 AM EST
Meeting Location:	Virtual ▾
Meeting Type:	Full Group Meeting ▾
Student Team Members: **(check box if in attendance)**	☑ Ana Garcia ☑ Helen Song ☑ Kennedy Martin ☑ Jannatul Nayeem
Other Attendees: *(e.g., Challenge Advisor, TA)*	Sean Underwood, Mary Gibbs (CA's), and Preston Firestone (TA)

MEETING AGENDA

XI. Game Plan and Direction *~ 5 mins*

XII. Review student progress *~ 20 mins*
   A. Address any questions students had while analyzing the dataset
   B. Discuss creating visualizations

XIII. Look into outline of presentation *~ 20 mins*

XIV. To-do list for last couple of weeks *~ 15 mins*

MEETING NOTES

Discussion Topic	Notes
Analysis	Langtest: Labels from the expected results are not matching those from the dataset, instead getting expected results from the model - The expected results are generated along with the test cases: the model is run on the unperturbed input and those outputs are put into the test case as the expected result. Manual: Not much variation in the sentiment analysis with first model, but Helen began analyzing a second model and got some interesting results that we can use in our final presentation.
Dataset	Check correlation of the sentiment and the length of the sentences. - Add on longer sentences to the dataset - Example Sentence: My new colleague from <COUNTRY> is getting used to our office-country
Visualizations	You don't have to show everything make the key takeaway stand out and create a graph for those to look back in. If you want to do it in Python, Seaborn has a lot of visualization options for complicated data. Here's an example gallery: - https://seaborn.pydata.org/examples/index.html Graph Ideas: Scatter plot, draw out distributions
Presentation	Mention the sentiment stuff such as Amazon Fairness - Pieces of socioeconomic research that we

	did
	Aim for 2-3 slides on background and data understanding - Move any extra slides to the end and reference it if you need to (BBQ) Dive into framework generated (talk about why socioeconomic in background), in analysis show a couple examples of Add model in model comparison Add limitations slide at the end Go in depth about sentiment analysis and how it works

ACTION ITEMS

Task/Assignment	Team Member	Deadline
		Nov 22, 2024
		Nov 22, 2024
		Nov 22, 2024
		Nov 22, 2024

Monthly Meeting #4: Full Group Meeting

Meeting Date:	Oct 25, 2024
Meeting Time:	10:00 AM EST
Meeting Location:	Virtual ▾
Meeting Type:	AI Studio TA Meeting ▾
Student Team Members: **(check box if in attendance)**	☑ Ana Garcia ☑ Helen Song ☑ Kennedy Martin ☑ Jannatul Nayeem
Other Attendees: *(e.g., Challenge Advisor, TA)*	Preston Firestone (TA)

MEETING AGENDA

XV. Game Plan and Direction *~ 5 mins*
XVI. Work on Presentation *~ 20 mins*
XVII. Review student progress *~ 20 mins*
      A. Discuss visualizations
      B. Ask any questions about analyzing the results or visualizations
XVIII. Discuss to-do for next 2 week *~ 10 mins*

MEETING NOTES

Discussion Topic	Notes

ACTION ITEMS

Task/Assignment	Team Member	Deadline
		Nov 29, 2024
		Nov 29, 2024
		Nov 29, 2024
		Nov 29, 2024