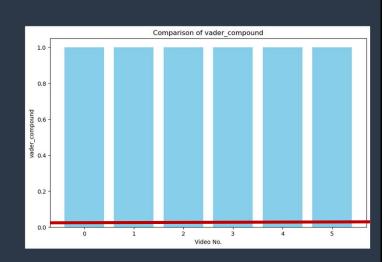


Subjectivity Most videos are slightly subjective (above 0.5) but close to midway point between subjective and objective Some variation exists For example, Video 2 is noticeably less subjective than the others Comparison of textblob_subjectivity Octoor print of textblob_subjectivity Oc

Vader Scores

- Vader Compound Score combines all Vader scores: Positive, Neutral, and Negative into one score
- A score above 0.05 is considered to be positive
- For all videos, Wicked seems to garner overwhelmingly positive feedback



5

Summary of Partition

Method:

- By looking at the two charts, we first isolate each criteria separately and see which videos match it
- Next, we find the intersecting matches between the two to find what meets our sorting criteria.
 - For instance, High Textblob_Subjectivity and Low Vader Positive would be Negative-Subjective

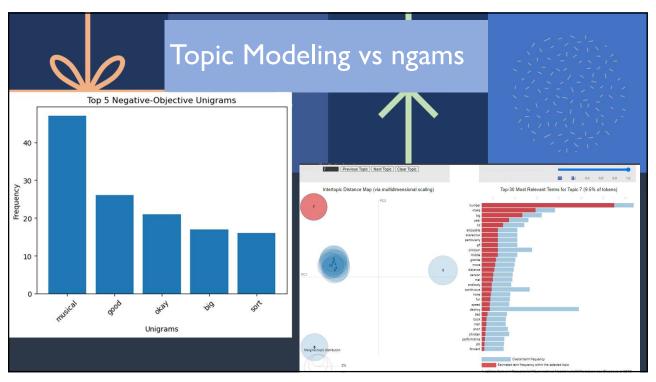
Category	Video No.
Negative-Objective	2
Negative-Subjective	3
Positive-Objective	1.4
Positive-Subjective	0,5

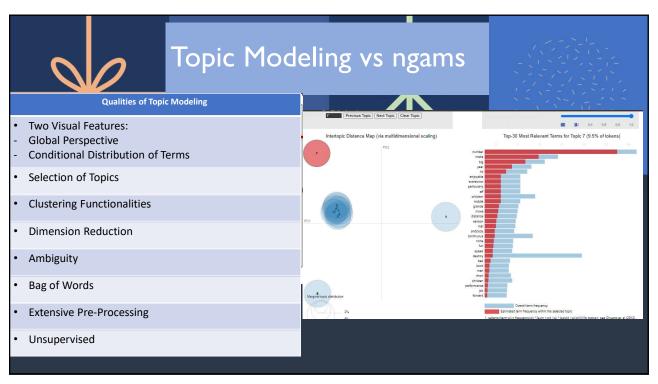


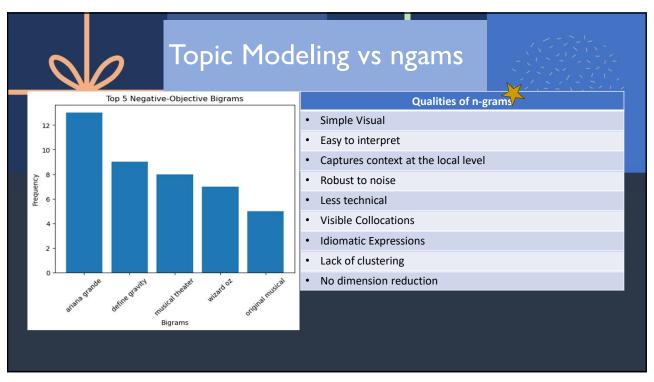


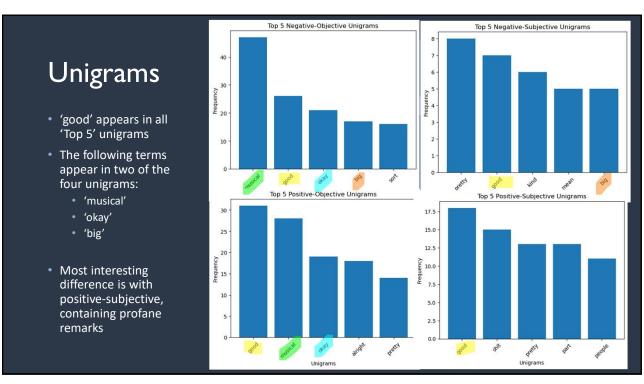


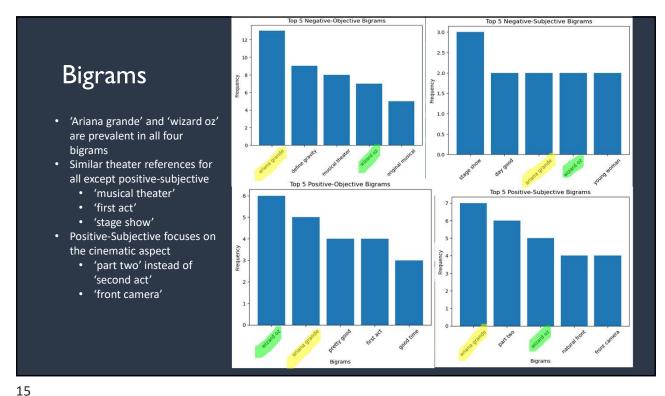


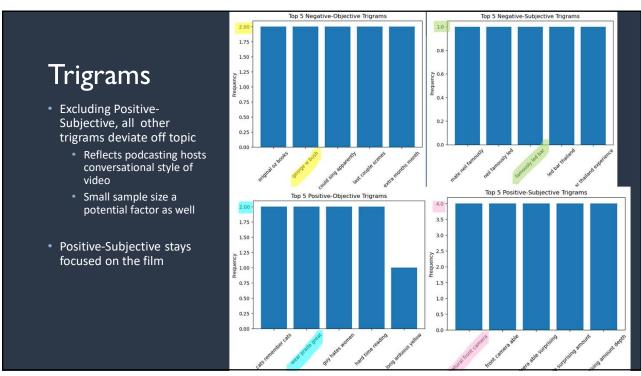


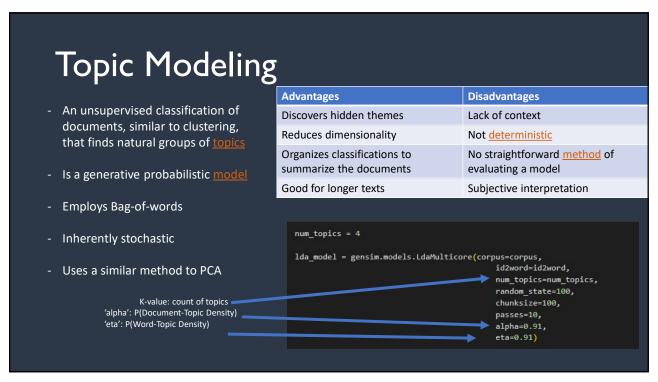


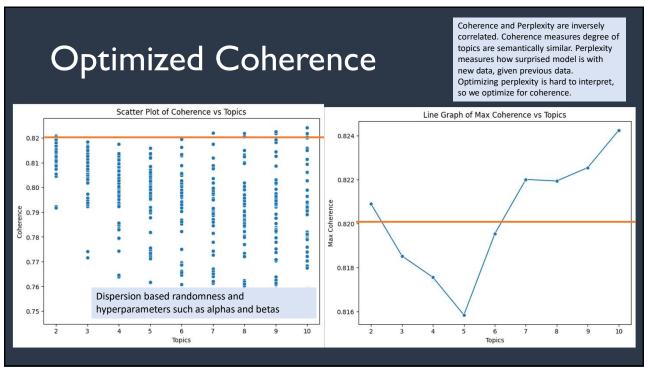




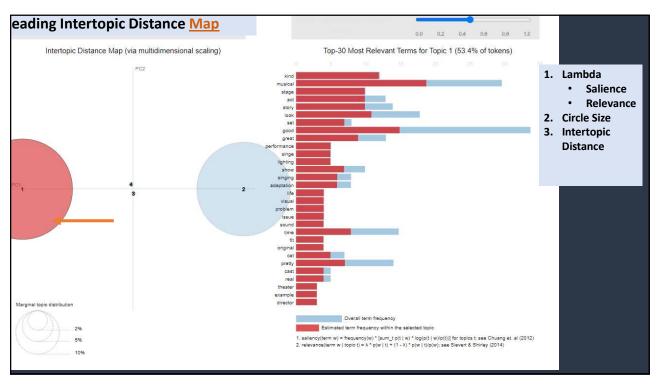


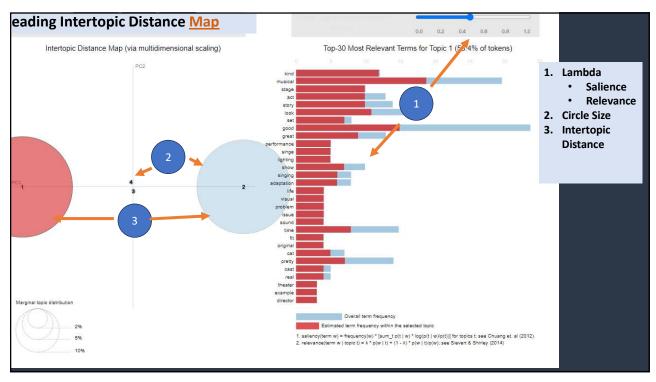


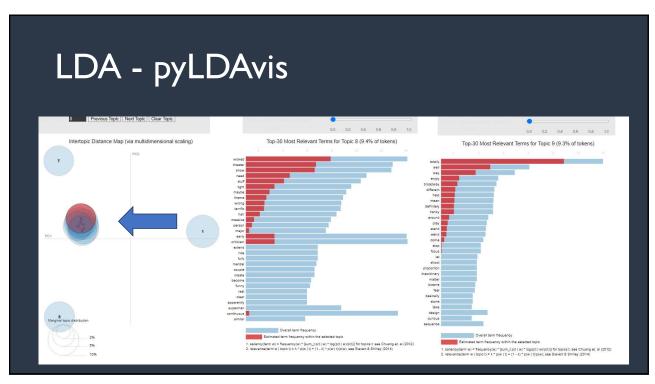


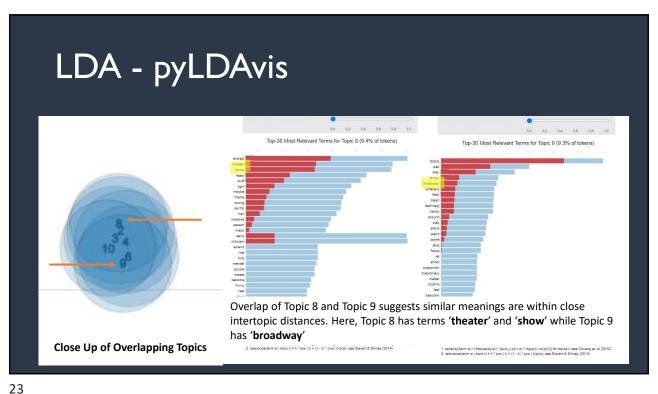












LDA: Summary of Findings

	Negative- Objective	Negative- Subjective	Positive- Objective	Positive- Subjective
Optimum topics	2	4	4	3
Optimum word per topic	312	87	353	392
Perplexity	-7.04	-6.74	-8.48	-9.24
Coherence Score	0.81	0.82	0.27	0.23

Two terms you will want to understand when evaluating LDA models are:

- Perplexity: Lower the perplexity better the model.
- Coherence: Higher the topic coherence, the topic is more human interpretable.

	Negative- Objective	Negative- Subjective	Positive- Objective	Positive- Subjective	
Optimum topics	2	4	4	3	Expectation: Low Perplexity
Optimum word per topic	312	87	353	392	High Coherence
Perplexity	-7.04	-6.74	-8.48	-0.24	Highest Perplexity Highest Coherence
Coherence Score	0.81	0.82	0.27	0.23	

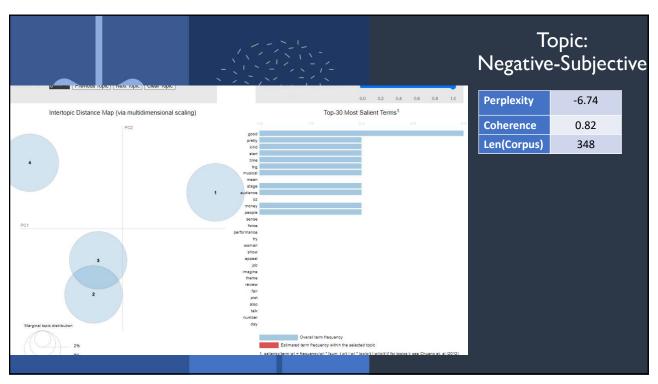
LDA: Summary of Findings

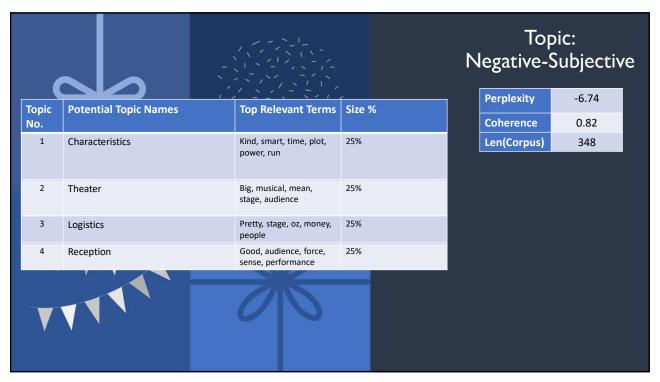
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Video Length	20 min (one video)	6 min (one video)	20 min (two 10- min video)	20 min (two 10- min video)

DA: Sur	mmary	of Find	ings		
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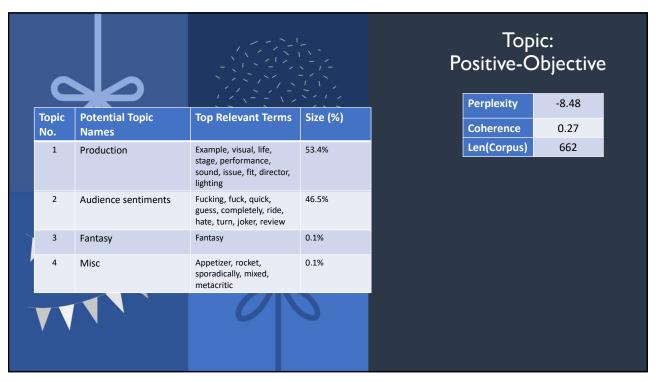


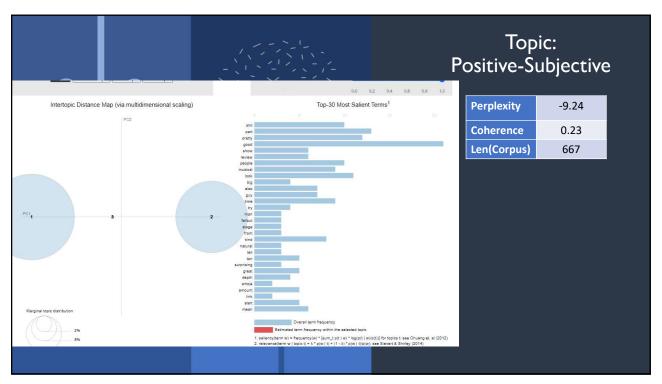


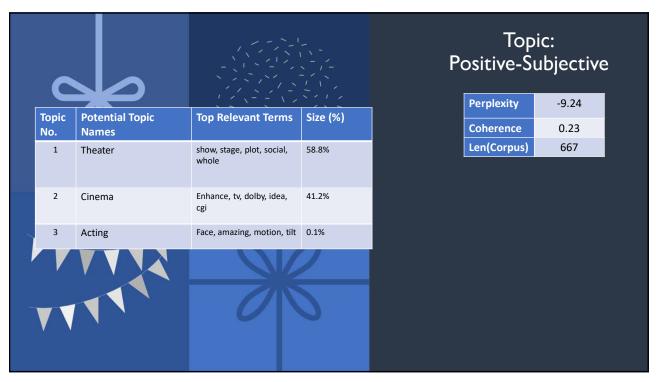


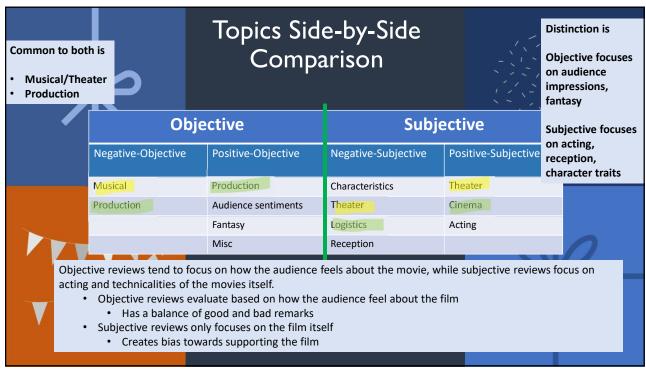


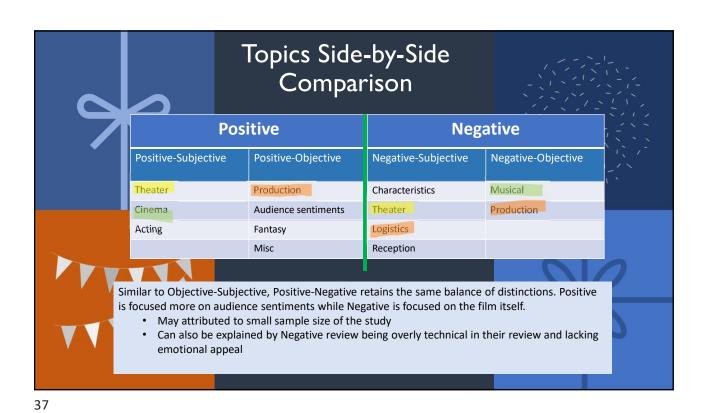












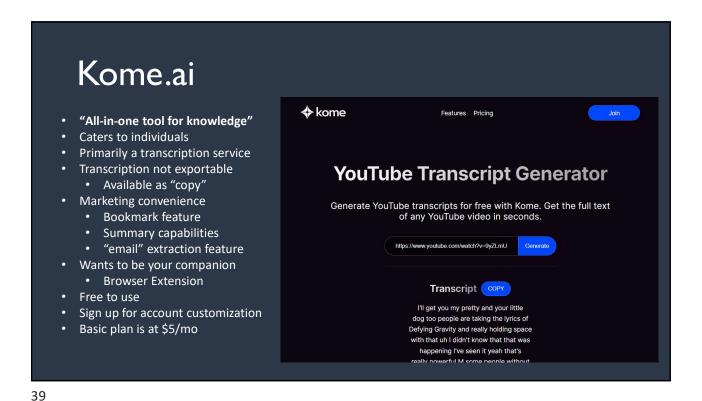
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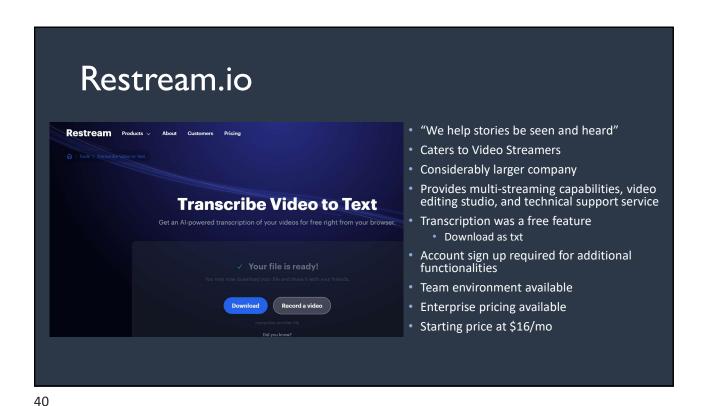
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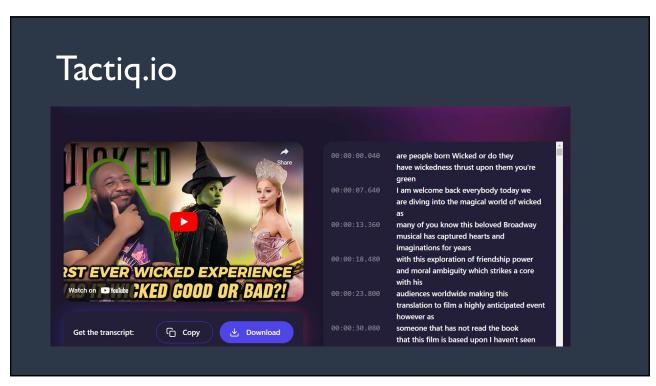
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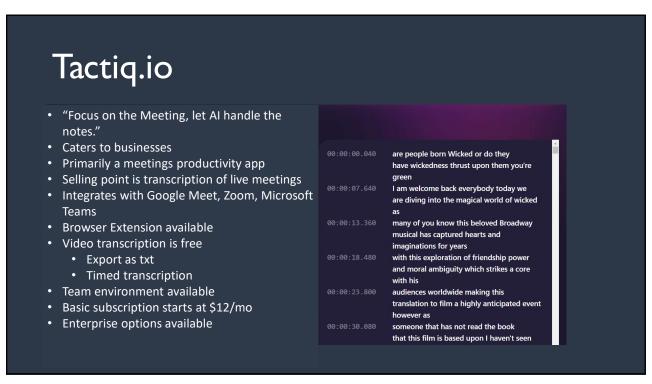
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