

# Week 14: Group assignment Deciphering topic models

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In this assignment, your goal is to conduct and report on a topic modeling analysis. You can choose to use the topic models you generated in the previous assignment if they are interpretable. If not, please use the dataset at: <https://drive.google.com/file/d/1-jrpKPFZH158-Swycbft5BiXLbz-u23J/view?usp=sharing>

Your specific task in this assignment is to:

- 1) Generate a topic model with an optimized number of topics
- 2) Use the model output to plot the top terms associated with each topic
- 3) Write a results paragraph documenting your findings. Specifically, you must interpret the meaning of each topic and explain what that meaning indicates about social media chatter after an automated vehicle crash.

**Points** 20

**Submitting** a file upload

**Allowed Attempts** 2

Due	For	Available from	Until
Apr 25	Everyone	-	-

**Writing assignment**

Criteria	Ratings						Pts
<p>Question Answer</p> <p>Was the question or prompt specifically answered in the submission.</p>	<p><b>5 pts</b> Yes</p>	<p><b>4 pts</b> Yes, but with minor issues.</p>	<p><b>3 pts</b> Yes, but with several minor issues</p>	<p><b>2 pts</b> Yes, but with one major issue.</p>	<p><b>1 pts</b> Yes, but with major issues</p>	<p><b>0 pts</b> No</p>	<p>5 pts</p>
<p>Clarity</p> <p>Is the response readable and clearly articulated?</p>	<p><b>5 pts</b> Yes</p>	<p><b>4 pts</b> Yes, but with minor issues.</p>	<p><b>3 pts</b> Yes, but with several minor issues</p>	<p><b>2 pts</b> Yes, but with one major issue.</p>	<p><b>1 pts</b> Yes, but with major issues</p>	<p><b>0 pts</b> No</p>	<p>5 pts</p>
<p>Conciseness</p> <p>Is the response concise?</p>	<p><b>5 pts</b> Yes</p>	<p><b>4 pts</b> Yes, but with minor issues.</p>	<p><b>3 pts</b> Yes, but with several minor issues</p>	<p><b>2 pts</b> Yes, but with one major issue.</p>	<p><b>1 pts</b> Yes, but with major issues</p>	<p><b>0 pts</b> No</p>	<p>5 pts</p>
<p>Conclusions supported by data or visuals</p> <p>Are the points in the submission supported by data or visuals?</p>	<p><b>5 pts</b> Yes</p>	<p><b>4 pts</b> Yes, but with minor issues.</p>	<p><b>3 pts</b> Yes, but with several minor issues</p>	<p><b>2 pts</b> Yes, but with one major issue.</p>	<p><b>1 pts</b> Yes, but with major issues</p>	<p><b>0 pts</b> No</p>	<p>5 pts</p>
<p>Grammar</p> <p>Are there egregious grammatical errors in the submission?</p>	<p><b>1 pts</b> No</p>			<p><b>0 pts</b> Yes</p>			<p>1 pts</p>
<p>R code</p> <p>Does the code run correctly and is it well sourced/documentated.</p>	<p><b>5 pts</b> Yes</p>	<p><b>4 pts</b> Yes, but with minor issues.</p>	<p><b>3 pts</b> Yes, but with several minor issues</p>	<p><b>2 pts</b> Yes, but with one major issue.</p>	<p><b>1 pts</b> Yes, but with major issues</p>	<p><b>0 pts</b> No</p>	<p>5 pts</p>
<p>Total Points: 26</p>							