Winter 2024-2025 CSSE 315

## CSSE 315 – Natural Language Processing Rose-Hulman Institute of Technology

## Worksheet 03

ame (Print):_				Date:
1. Warm-up.	Play a game:	https://roft.io/		
Are you a	ble to identify	real vs fake?		
2. What is the	ne typical Text	preprocessing pi	peline	
1.	2.	3.	4.	
3. Lemmatiz	ation vs Stemn	ning		
Term		efinition		
10111			que to reduce a wor	rd to a stem
			o its canonical dicti	
NLP NLG				
NLU				
5. Provide de		Definitio		
	Term		1	
Т	nturo			
Tes	ature Engineering			
Teature I	ature Engineering rization			

7. What is the main difference between Count Frequency and Term Frequency?

• Provide a Count Frequency for each unique token

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8. N-Grams. Write 1 example for unigran, bigram, trigram

Tim Cook is the CEO of Apple

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- •
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9. Write the formula for TF-IDF

 $10. \ \ Calculate \ TF-IDF \ for \ for \ Example \ (see \ https://obscrivn.github.io/mynewbook/features.html\#tf-idf$