Winter 2024-2025 CSSE 315

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

Worksheet 05

	Date:
1. Warm-up. What does each abbreviat	tion stand for?
(a) GPT:	
(b) BERT:	
2. What is a problem with Bag-of-Word	d approach?
3. In RNN, the current output not only d , which takes into account	depends on, but also on the
4. Provide Examples for each RNN arch	hitecture type:
Term	Example
One-to-Many	
Many-to-One	
Many-to-Many indirect	
Many-to-Many direct	
5 When there is a big gap between the co	ritical information and the output, it is called
o. When there is a sig gap setween the el	
6. A traditional RNN has a	hidden state that is passed through time which
	hidden state that is passed through time, which k to learn long-term dependencies. LSTM solved this
can make it difficult for the network	k to learn long-term dependencies. LSTM solved this
can make it difficult for the network	

17 December 2024