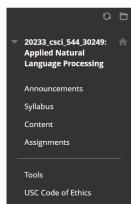
20233\_csci\_544\_30249: Applied Natural Language Processing

Assignments

Review Test Submission: Quiz 6



Jser	Kayvan Shah		
Course	20233_csci_544	_30249: Applied Natural Language Processing	
est	Quiz 6		
started	10/24/23 5:35 P	M	
Submitted	10/24/23 5:45 P	M	
Due Date	10/24/23 5:50 P	M	
itatus	Completed		
Attempt Score	64.66665 out of	100 points	
ime Elapsed	10 minutes out	of 10 minutes	
Results Display	ed All Answers, Sub	omitted Answers, Correct Answers	
Question	າ 1		0 out of 10 points
		shtein edit distance between the words "act" and "cat" when using the 4 possible operators from the	•
	operators? Select		ie Leverisitiem edit
	Selected Answer:	<b>⊗</b> <sup>2</sup>	
	Answers:	2	
		<u></u>	
		3	
		5	
		<ul> <li>advantage of Transfer-Based Machine Translation compared to the rule-based method?</li> <li>✓ rules on syntactic structures are more generalizable</li> <li>✓ rules on syntactic structures are more generalizable</li> <li>Has Fewer steps</li> <li>Requires no human supervision</li> <li>Requires less data to train</li> </ul>	
Question	າ 3		10 out of 10 points
	In the context of m	nachine translation, why do we use rule-based translation?	
	Selected Answer:	Oesigning rules can be done by humans without any need to use machine learning	
	Answers:	Oesigning rules can be done by humans without any need to use machine learning	
		The act of adjusting the formatting and layout of translated content is easy.	
		The evaluation of the overall translation quality by human translators is easy.	
		The process of identifying errors in translated text is easy.	
Question	n 4		6.66666 out of 10 points
-		ving operations can be performed on PyTorch tensors?	sississio ducor to points
	Select all that app		
	Selected Answers	: 👩 Matrix multiplication	
		Sorting elements in a tensor	
		Building complex neural network architectures	
		Directly applying traditional Python functions like filter to tensors	
	Answers:	Matrix multiplication	
		Sorting elements in a tensor	
		Backpropagation independently	

Optimize values automatically without an optimizer Building complex neural network architectures

Directly applying traditional Python functions like filter to tensors

**Question 5** 8 out of 10 points Which are part of the Levenshtein edit distance for fixing spelling errors: Selected Answers: 👩 Insertion Substitution Deletion Transposition of two adjacent letters insertion of space or hyphen Answers: Insertion Substitution Deletion Transposition of two adjacent letters Question 6 6.66666 out of 10 points Select all that are part of spelling errors Selected Answers: 🥎 Typographical errors Non-word Errors Cognitive Errors Answers: Semantic Error Typographical errors Information error Non-word Errors **Question 7** 0 out of 10 points Which type of spelling error best describes the following errors? "Writting" instead of "writing" "Happyness" instead of "happiness" "Atempt" instead of "attempt" Selected Answer: 🔞 Typographical errors Non-word errors Answers: Information error Typographical errors Semantic Error **Question 8** 10 out of 10 points In the context of the Noisy Channel Model for spell checking, what are the two key components used to estimate the probability of a word being misspelled and suggest corrections? Select the correct option: Selected Answer: 👩 Error model and language model Morphology and syntax Answers: Synonyms and antonyms Phonetics and homophones 🎸 Error model and language model **Question 9** 10 out of 10 points Which of the following statements is true about "autograd" in PyTorch? Selected Answer: 👩 It automatically computes gradients for tensors, enabling gradient-based optimization. It's a visualization library for neural networks. Answers: It's a deep learning framework for reinforcement learning. It automatically computes gradients for tensors, enabling gradient-based optimization. It's a module for generating random numbers. **Question 10** 3.33333 out of 10 points Select all that are part of the forward pass in designing neural networks with Pytorch. Selected Answers: 🤡 Compute the accuracy of the model Updating parameters Answers: Computing gradients

Compute the accuracy of the model

Computer output of the networkCompute loss value

Saturday, January 20, 2024 11:41:20 PM PST

← UK