Recurrent Neural Networks

LATEST SUBMISSION GRADE

100%

1.	What is a Recurrent Neural Network?
	A Neural Network that can recur to itself, and is proper for handling sequential data
	An infinite layered Neural Network which is proper for handling structured data
	A special kind of Neural Network to predict weather
	A Markovian model to handle temporal data
	✓ Correct
2.	What is NOT TRUE about RNNs?
	RNNs are VERY suitable for sequential data.
	RNNs need to keep track of states, which is computationally expensive.
	RNNs are very robust against vanishing gradient problem.
	✓ Correct
	V Correct
3. 1	What application(s) is(are) suitable for RNNs?
	Speech Recognition
	Natural Language Processing
	○ Video context retriever
	Estimating temperatures from weather data
	All of the above
	✓ Correct
	V correct
4.)	Why are RNNs susceptible to issues with their gradients?
	Gradients can grow exponentially
	Gradients can quickly drop and stabilize at near zero
	Propagation of errors due to the recurrent characteristic
	Numerical computation of gradients can drive into instabilities
	All of the above
	✓ Correct
5.	What is TRUE about LSTM gates?
	 The Read Gate in LSTM, is responsible for writing data into the memory cell.
	 The Write Gate in LSTM, reads data from the memory cell and sends that data back to the network.
	 The Forget Gate, in LSTM maintains or deletes data from the information cell.
	The Read Gate in LSTM, determine how much old information to forget
	✓ Correct