Day 2-Quiz

Total points   5/8   ?

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B.Tech AI-ML (A) - 4th Sem (2nd Year)   ✕

✓ **Which of the following is NOT a commonly used optimizer in ANN training?**   *1/1

○ a) Gradient Descent

○ b) Adam

○ c) SGD (Stochastic Gradient Descent)

◉ d) K-Nearest Neighbors   ✓

✓ Which metric is typically used to evaluate the performance of an ANN in a *1/1
regression task?

○ a) Accuracy

○ b) Cross-entropy loss

◉ c) Mean Squared Error (MSE)   ✓

○ d) Precision

✓ What does the term "epoch" refer to in the context of ANN training? *   1/1

○ a) The number of neurons in the network

◉ b) A complete pass through the entire training dataset   ✓

○ c) The size of the training batch

○ d) The final model accuracy

✓ What happens when a neural network is overfitted? *   1/1

○ a) The model performs poorly on training data but well on test data.

◉ b) The model performs well on training data but poorly on unseen data.   ✓

○ c) The model cannot converge during training.

○ d) The model achieves zero training loss.

✓   What is the significance of weights in an ANN? *   1/1

○   a) They determine the activation function.

○   b) They store the architecture of the network.

◉   c) They control the strength of connections between neurons.   ✓

○   d) They replace the bias term in the network.

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