Your grade: 88.66%

Your latest: 88.66% • Your highest: 88.66% • To pass you need at least 80%. We keep your highest score.

Next item →

l. \	What is the first step in the process of building a model for multi-class classification using PyTorch?	1/1 point
(Data Setup	
(Hyperparameter Tuning	
(Model Evaluation	
(Model Training	
	 Correct Correct Data setup is the first step in building a model for multi-class classification. It involves loading and preparing the dataset for training. 	
		0.8333333333333334 1 point
	 Correct Correct! Instantiating the model is an essential step in developing an RNN. 	
į	Optimizing Hyperparameters	
	⊗ This should not be selected While important, optimizing hyperparameters is not a necessary step in the initial development of an RNN.	
8	Model Training	
	 Correct Correct! Training the model is an essential step in developing an RNN. 	
ı	✓ Defining the Loss Function	
	 Correct Correct! Defining the loss function is necessary for training an RNN. 	
	Visualizing the Model✓ Data Preparation	
	Correct Correct! Data preparation is a crucial step in developing an RNN.	
(Batch normalization Dropout Convolution Correct Correct Max pooling is commonly used to reduce the spatial dimensions of an image while retaining important features.	
	What are some common methods of data augmentation used in training Convolutional Neural Networks	0.6 / 1 point
	(CNNs)? ☐ Zooming	
	☐ Zooning	
	✓ Color Shifting	
	This should not be selected Incorrect. While color shifting can be used, it is less common compared to other techniques like rotation and flipping.	
	✓ Flipping	
ĺ	Correct Correct Flipping, particularly horizontal flipping, is widely used in data augmentation.	
	Rotation	
	Correct Correct! Rotation is a common data augmentation technique used to make the model invariant to image rotations.	
١	What is the primary purpose of generating a spectrogram in audio classification?	1/1 point
(To improve the audio quality before classification.	
(To speed up the training process of neural networks.	
(To reduce the noise in audio data.	
(To convert audio signals into a visual format that can be processed by CNNs. 	
	⊘ Correct Correct! Spectrograms convert audio signals into visual representations, making it easier for convolutional neural networks to analyze the data.	