Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 80%. We keep your highest score.

Next item →

1. Which of the following are key steps in training a YOLO v7 model on a custom dataset?   1 / 1 point

☑ Setting up losses

✓ **Correct**
Correct! Setting up losses is necessary for the training process.

☑ Initializing the model

✓ **Correct**
Correct! Initializing the model is a crucial step in training a YOLO v7 model.

☐ Enhancing image resolution

☐ Segmenting images into regions

☑ Configuring training parameters

✓ **Correct**
Correct! Configuring training parameters is essential for adapting the model to the custom dataset.

2. What is the primary objective of the YOLO v7 algorithm in object detection?   1 / 1 point

○ To classify images into predefined categories

○ To segment images into different regions

◉ To detect and localize objects within an image

○ To enhance image resolution

✓ **Correct**
Correct! YOLO v7 aims to detect and localize objects within an image efficiently.

3. Which accuracy metric is used to evaluate the balance between precision and recall in object detection?   1 / 1 point

○ Mean Average Precision

○ False Negative Rate

◉ F1 Score

○ True Positive Rate

✓ **Correct**
Correct! The F1 Score is used to evaluate the balance between precision and recall in object detection.

4. In the context of style transfer, what does adjusting the style weight primarily affect?   1 / 1 point

○ The resolution of the output image

○ The color balance of the output image

◉ The prominence of stylistic features in the output image

○ The training time required for the model

✓ **Correct**
Correct! Adjusting the style weight changes how much the stylistic features influence the final image.

5. What is the primary role of the VGG19 network in the process of style transfer?   1 / 1 point

○ To perform image segmentation before style transfer

◉ To extract feature maps from the content and style images

○ To apply filters to enhance the style of the image

○ To directly generate the final stylized image

✓ **Correct**
Correct! The VGG19 network is used to extract feature maps which are essential for computing content and style losses.