

Convolutional Neural Networks

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1. What can be achieved with **convolution** operations on Images?

1 / 1 point

- ☐ Edge Detection
- ☐ Image Smoothing
- ☐ Image Blurring
- ☐ Noise Filtering
- ☒ All of the above

✓ Correct

2. For convolution, it is better to store images in a TensorFlow Graph as:

1 / 1 point

- ☐ Variable
- ☐ CSV file
- ☐ Numpy array
- ☒ Placeholder
- ☐ None of the above

✓ Correct

3. Which of the following statements is TRUE about Convolution Neural Networks (CNNs)?

1 / 1 point

- ☐ CNN can be applied ONLY on Image data
- ☒ CNN can be applied on ANY 2D and 3D array of data.
- ☐ CNN can be applied ONLY on Text and Speech data.
- ☐ CNN can be applied ONLY on Image and Text data.
- ☐ All of the above

✓ Correct

4. Which of the following Layers can be part of Convolution Neural Networks (CNNs)

1 / 1 point

- ☐ Relu
- ☐ Softmax
- ☐ Maxpooling
- ☐ Dropout
- ☒ All of the above

✓ Correct

5. The objective of the Activation Function is to:

1 / 1 point

- ☐ Reduce the Size of the Network
- ☒ Handle Non-Linearity in the Network
- ☐ Handle Linearity in the Network
- ☐ Increase the Size of the Network
- ☐ None of the above

✓ Correct