COMP4432 Quiz 3

Please submit your answer before the deadline: 3:30pm, 1 March 2024.

Hi, Fu Lai Korris. When you submit this form, the owner will see your name and email address.

1. If the INPUT to a convolutional layer is 400(height)x400(width)x256(depth) 3D block, which of the following about this convolutional layer is true? (Choose the BEST answer) (1 Point)

- ◯ The kernel filter's depth depends on the number of filters used.

- ◯ The kernel filter's width is 400.

- ◉ The kernel filter's depth must be 256.
  > Because it matches with the input block's depth which is 256.

- ◯ The number of kernel filters is 256.

- ◯ None of the above

2. Which of the followings is true? (Choose the BEST answer) (1 Point)

- ◯ The application of CNN is limited to 2D data like images.

- ◉ There is no need to have consecutive pooling layer.
  > because the pooling operations can be controlled by the pooling ratio (spatial extend and stride value).

- ◯ There is no need to have consecutive convolutional layer.

- ◯ CNN must have multiple fully connected layers.

- ◯ None of the above

3. Which of the following is true? (Choose the BEST answer) (1 Point)

- ◯ Deep learning is always better than traditional ML.

- ◉ Deep learning learns abstract and compact features while traditional ML relies on good feature engineering work.
  > It is generally true.

- ◯ Training of deep learning model like CNN is easier than that of traditional NN model like MLP with 1 or 2 hidden layers.

- ◯ The stride value in convolutional layer cannot be larger than 3 for a 3x3x64 kernel filter.

- ◯ None of the above

COMP4432 Quiz 3 (3)

85	0	Active
Responses	Average Score	Status

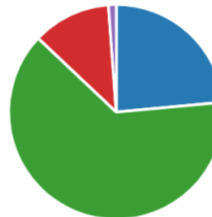**Review answers** **Post scores**   Open in Excel ...

1. If the INPUT to a convolutional layer is 400(height)x400(width)x256(depth) 3D block, which of the (1 point) following about this convolutional layer is true? (Choose the BEST answer)

More Details   Insights

- The kernel filter's depth depend... 20
- The kernel filter's width is 400.   0
- The kernel filter's depth must be... 54
- The number of kernel filters is 2... 10
- None of the above   1

2. Which of the followings is true? (Choose the BEST answer) (1 point)

More Details   Insights

- The application of CNN is limite...   1
- There is no need to have consec...   39
- There is no need to have consec...   2
- CNN must have multiple fully co...   3
- None of the above   40

3. Which of the following is true? (Choose the BEST answer) (1 point)

More Details

- Deep learning is always better t...   1
- Deep learning learns abstract an...   76
- Training of deep learning model...   2
- The stride value in convolutional...   1
- None of the above   5