

Quiz review

Started on	Wednesday, 13 March 2024, 3:12 PM
State	Finished
Completed on	Wednesday, 13 March 2024, 3:15 PM
Time taken	3 mins 4 secs
Marks	10.00/10.00
Grade	100.00 out of 100.00

Question 1

Correct
Mark 1.00 out of 1.00

Which pioneering research in Generative AI specifically emphasized the generation of text sequences?

- 47562
- ☐ "Visualizing and Understanding Convolutional Networks"
 - ☐ "DeepFace: Closing the Gap to Human-Level Performance in Face Recognition"
 - ☒ "Sequence to Sequence Learning with Neural Networks"✔
 - ☐ "A Neural Algorithm of Artistic Style"
 - ☐ "Understanding Machine Learning: From Theory to Algorithms"

The correct answer is: "Sequence to Sequence Learning with Neural Networks"

Question 2

Correct
Mark 1.00 out of 1.00

What are the two main components of a GAN?

- 47562
- ☐ Forward and Backward
 - ☐ Encoder and Decoder
 - ☒ Generator and Discriminator✔
 - ☐ Input and Output
 - ☐ None of the given options

The correct answer is: Generator and Discriminator



Question 3

Correct

Mark 1.00 out of 1.00

What is the primary purpose of generative models?

- ☒ Generating new data ✓
- ☐ Classifying data
- ☐ Recognizing patterns
- ☐ Filtering data
- ☐ None of the given options

The correct answer is: Generating new data

Question 4

Correct

Mark 1.00 out of 1.00

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Who introduced Generative Adversarial Networks (GANs)?

- ☐ Geoffrey Hinton
- ☐ Andrew Ng
- ☐ Yoshua Bengio
- ☐ Yann LeCun
- ☒ Ian Goodfellow ✓

The correct answer is: Ian Goodfellow

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Question 5

Correct

Mark 1.00 out of 1.00

Which model marked a significant milestone in the use of transformers in NLP?

- ☐ RNN
- ☐ LSTM
- ☒ BERT ✓
- ☐ GAN
- ☐ CNN

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The correct answer is: BERT

Question 6

Correct

Mark 1.00 out of 1.00

Which model uses a probabilistic approach to encode and decode data?

- ☐ Transformer
- ☒ VAE ✓
- ☐ BigGAN
- ☐ CycleGAN
- ☐ DCGAN

The correct answer is: VAE

Question 7

Correct

Mark 1.00 out of 1.00

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Which of the following research papers is foundational for Variational Autoencoders (VAEs)?

- ☐ "Deep Residual Learning for Image Recognition"
- ☒ "Auto-Encoding Variational Bayes" ✓
- ☐ "Mastering Chess and Shogi by Self-Play"
- ☐ "Attention is All You Need"
- ☐ "Generative Adversarial Nets"

The correct answer is: "Auto-Encoding Variational Bayes"

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Question 8

Correct

Mark 1.00 out of 1.00

Which of the following is NOT a direct application of GANs but rather an outcome of its influence?

- ☒ Reinforcement learning in game playing ✓
- ☐ Generating realistic images
- ☐ Image-to-Image translation
- ☐ Super-resolution
- ☐ Style transfer

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The correct answer is: Reinforcement learning in game playing

Question 9

Correct

Mark 1.00 out of 1.00

Which architecture is primarily associated with attention mechanisms?

- ☐ GAN
- ☐ RNN
- ☐ VAE
- ☐ CNN
- ☒ Transformer ✓

The correct answer is: Transformer

Question 10

Correct

Mark 1.00 out of 1.00

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In which year were Generative Adversarial Networks (GANs) first introduced?

- ☐ 2016
- ☒ 2014 ✓
- ☐ 2010
- ☐ 2012
- ☐ 2018

The correct answer is: 2014

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[◀ Case Study - GEN AI in Fashion - Quiz](#)[Brief History of Generative AI ▶](#)

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