



Who introduced Generative Adversarial Networks (GANs)?



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

The correct answer is: Ian Goodfellow

Question 5

1.00/1.00

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

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

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

Question 6

1.00/1.00

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

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

The correct answer is: BERT

Question 7

1.00/1.00

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

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

The correct answer is: 2014



Question 8

1.00/1.00

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

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

The correct answer is: VAE

Question 9

1.00/1.00

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

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

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

Question 10

1.00/1.00

What are the two main components of a GAN?

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

The correct answer is: Generator and Discriminator