

Quiz review

Started on	Wednesday, 13 March 2024, 3:15 PM
State	Finished
Completed on	Wednesday, 13 March 2024, 3:17 PM
Time taken	2 mins 40 secs
Marks	10.00/10.00
Grade	100.00 out of 100.00

Question 1

Correct
Mark 1.00 out of 1.00

What mechanism allows the Transformer model to weigh the importance of different words in a sequence?

- 47562
- ☐ Decoding Mechanism
 - ☐ Encoding Mechanism
 - ☒ Self-Attention Mechanism✔
 - ☐ Recurrent Mechanism
 - ☐ None of the given options

The correct answer is: Self-Attention Mechanism

Question 2

Correct
Mark 1.00 out of 1.00

Which of the following is NOT a direct application of the Transformer architecture?

- 47562
- ☐ Image generation
 - ☐ Text translation
 - ☐ Text summarization
 - ☒ Image recognition✔
 - ☐ Question answering

The correct answer is: Image recognition



Question 3

Correct

Mark 1.00 out of 1.00

What is the main innovation introduced by the "Attention Is All You Need" paper?

- ☒ Transformer architecture ✓
- ☐ Introduction of RNNs
- ☐ Introduction of GANs
- ☐ Introduction of CNNs
- ☐ Introduction of VAEs

The correct answer is: Transformer architecture

Question 4

Correct

Mark 1.00 out of 1.00

47562

Which model can transform horse photos into zebra photos without direct comparison?

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

The correct answer is: CycleGAN

47562

Question 5

Correct

Mark 1.00 out of 1.00

Which generative model introduced a stochastic layer that models data in a latent space?

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

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The correct answer is: VAE

Question 6

Correct

Mark 1.00 out of 1.00

Which model is known for its rules for creating stable and effective AI image-makers?

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

The correct answer is: DCGAN

Question 7

Correct

Mark 1.00 out of 1.00

47562

Which AI model series by OpenAI, based on the Transformer architecture, is known for generating highly coherent content?

- ☒ GPT series ✓
- ☐ BERT
- ☐ TransformerXL
- ☐ CycleGAN
- ☐ ResNet

The correct answer is: GPT series

47562

Question 8

Correct

Mark 1.00 out of 1.00

Which model demonstrated that using larger architectures can produce better images?

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

47562

The correct answer is: BigGAN

Question 9

Correct

Mark 1.00 out of 1.00

What is the primary advantage of Transformers over RNNs in terms of processing sequences?

- ☐ More parameters
- ☐ Faster convergence
- ☐ None of the given options
- ☐ Better attention mechanism
- ☒ Parallel Processing ✓

The correct answer is: Parallel Processing

Question 10

Correct

Mark 1.00 out of 1.00

In the context of GANs, what is the role of the Discriminator?

- ☐ To transform data
- ☐ To decode data
- ☐ To encode data
- ☒ To distinguish between real and generated data ✓
- ☐ To generate data

The correct answer is: To distinguish between real and generated data

◀ **Additional Reading 3 - Transformers**

Jump to...

Fundamentals of ML - Pre Quiz ▶