

Quiz review

Started on	Wednesday, 13 March 2024, 4:46 PM
State	Finished
Completed on	Wednesday, 13 March 2024, 4:48 PM
Time taken	2 mins 11 secs
Marks	10.00/10.00
Grade	100.00 out of 100.00

Question 1

Correct
Mark 1.00 out of 1.00

Which GAN variant focuses on gradually increasing the resolution of generated images?

- 47562
- ☐ None of the given options
 - ☒ Progressive GAN ✓
 - ☐ Conditional GAN
 - ☐ Mode Collapse GAN
 - ☐ Minimax GAN

The correct answer is: Progressive GAN

Question 2

Correct
Mark 1.00 out of 1.00

In GANs, if the discriminator becomes too powerful, what can happen?

- 47562
- ☐ The generator becomes powerful too
 - ☒ The generator may struggle to improve ✓
 - ☐ The model achieves perfect accuracy
 - ☐ None of the given options
 - ☐ The training process speeds up

The correct answer is: The generator may struggle to improve



Question 3

Correct

Mark 1.00 out of 1.00

What is a challenge in evaluating the performance of GANs?

- ☐ They always outperform other models
- ☒ Determining the quality of generated data ✓
- ☐ They are too fast
- ☐ They require large datasets
- ☐ None of the given options

The correct answer is: Determining the quality of generated data

Question 4

Correct

Mark 1.00 out of 1.00

47562

Which component of a GAN tries to produce fake data?

- ☐ Decoder
- ☐ None of the given options
- ☐ Encoder
- ☐ Discriminator
- ☒ Generator ✓

The correct answer is: Generator

47562

Question 5

Correct

Mark 1.00 out of 1.00

In the minimax game of GANs, what is the discriminator's goal?

- ☒ Distinguish between real and fake data ✓
- ☐ Generate realistic data
- ☐ Minimize its own loss
- ☐ None of the given options
- ☐ Maximize the generator's loss

47562

The correct answer is: Distinguish between real and fake data

Question 6

Correct

Mark 1.00 out of 1.00

Which is NOT a real-world application of GANs?

- ☐ Style transfer
- ☐ Data augmentation
- ☒ Real-time weather prediction ✓
- ☐ Art generation
- ☐ Super-resolution imaging

The correct answer is: Real-time weather prediction

Question 7

Correct

Mark 1.00 out of 1.00

47562

Which statement about GANs is true?

- ☐ None of the given options
- ☐ They always converge to a solution
- ☐ They are a type of supervised learning
- ☐ They only work with images
- ☒ They can generate new, previously unseen data ✓

The correct answer is: They can generate new, previously unseen data

47562

Question 8

Correct

Mark 1.00 out of 1.00

Which GAN variant can be conditioned on labels to generate specific outputs?

- ☐ Mode Collapse GAN
- ☒ Conditional GAN ✓
- ☐ Minimax GAN
- ☐ Progressive GAN
- ☐ None of the given options

47562

The correct answer is: Conditional GAN

Question 9

Correct

Mark 1.00 out of 1.00

The generator's objective in GANs is to...

- ☐ None of the given options
- ☐ Improve model accuracy
- ☐ Reduce mode collapse
- ☐ Classify real vs. fake
- ☒ Fool the discriminator ✓

The correct answer is: Fool the discriminator

Question 10

Correct

Mark 1.00 out of 1.00

Mode collapse is problematic because...

- ☐ It makes the discriminator weak
- ☐ None of the given options
- ☐ It requires more data
- ☒ It limits the diversity of generated outputs ✓
- ☐ It speeds up training

The correct answer is: It limits the diversity of generated outputs

◀ **Generative Adversarial Networks**

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