



Started on

Friday, 7 February 2025, 12:12 PM

State

Finished

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Time taken

3 mins 8 secs

Marks

9.00/10.00

Grade

90.00 out of 100.00

Question 1

1.00/1.00

Which statement about GANs is true?

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

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

Question 2

1.00/1.00

Mode collapse is problematic because...

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

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

Question 3

1.00/1.00

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

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

The correct answer is: Progressive GAN

Question 4

1.00/1.00

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



70%



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

The correct answer is: Distinguish between real and fake data

Question 5

1.00/1.00

What is a challenge in evaluating the performance of GANs?

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

The correct answer is: Determining the quality of generated data

Question 6

0.00/1.00

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

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

The correct answer is: Fool the discriminator

Question 7

1.00/1.00

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

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

The correct answer is: Conditional GAN



Question 8

1.00/1.00

Which is NOT a real-world application of GANs?

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

The correct answer is: Real-time weather prediction

Question 9

1.00/1.00

Which component of a GAN tries to produce fake data?

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

The correct answer is: Generator

Question 10

1.00/1.00

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

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

The correct answer is: The generator may struggle to improve