

Graded Review Questions

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Instructions for Graded Review Questions

1. Time allowed: **Unlimited**

- We encourage you to go back and review the materials to find the right answer
- Please remember that the Review Questions are worth 50% of your final mark.

2. Attempts per question:

- One attempt - For True/False questions
- Two attempts - For any question other than True/False

3. Check your grades in the course at any time by clicking on the "Progress" tab

Review Question 1

1/1 point (graded)

what is the difference between Autoencoders and RBMs?

☐ Autoencoders are used for supervised learning, but RBMs are used for unsupervised learning.

☒ Autoencoders use a deterministic approach, but RBMs use a stochastic approach.

☐ Autoencoders have less layers than RBMs.

☐ All of the above



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Review Question 2

1/1 point (graded)

Which of the following problems cannot be solved by Autoencoders:

☐ Dimensionality Reduction

☒ Time series prediction

☐ Image Reconstruction

☐ Emotion Detection

☐ All of the above



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Review Question 3

1/1 point (graded)

What is TRUE about Autoencoders:

☐ Help to Reduce the Curse of Dimensionality

☐ Used to Learn the Most important Features in Data

☐ Used for Unsupervised Learning

☒ All of the Above



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Review Question 4

1/1 point (graded)

What are Autoencoders:

☐ A Neural Network that is designed to replace Non-Linear Regression

☒ A Neural Network that is trained to attempt to copy its input to its output

☐ A Neural Network that learns all the weights by using labeled data

☐ A Neural Network where different layer inputs are controlled by gates

☐ All of the Above



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Review Question 5

1/1 point (graded)

What is a Deep Autoencoder:

☒ An Autoencoder with Multiple Hidden Layers

☐ An Autoencoder with multiple input and output layers

☐ An Autoencoder stacked with Multiple Visible Layers

☐ An Autoencoder stacked with over 1000 layers

☐ None of the Above



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