

1

Multiple Choice 1 point

What best describes the content of this course?

- ☐ Artificial Intelligence
- ☐ Statistics
- ☐ Data Science
- ☒ Deep Learning
- ☐ Machine Learning

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Multiple Choice 1 point

Which of the following is NOT a prerequisite for this course?

- ☐ Knowledge of programming in some language
- ☐ Single variable calculus
- ☐ Introductory probability and statistics
- ☒ Linear algebra

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Multiple Choice 1 point

Who is/are the author(s) of the Dive into Deep Learning book?

- ☐ Chollet
- ☐ Goodfellow, Bengio and Courville
- ☒ Zhang, Lipton, Li and Smola
- ☐ Prince

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Multiple Choice 1 point

Which of the following are you ALLOWED to discuss with other students?

- ☒ homeworks
- ☐ quizzes
- ☐ midterm exam
- ☐ final exam

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Multiple Choice 1 point

Where can you find the weekly reading assignments?

- ☒ Course webpage
- ☐ Lab webpage
- ☐ Slack
- ☐ Canvas webpage

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Multiple Choice 1 point

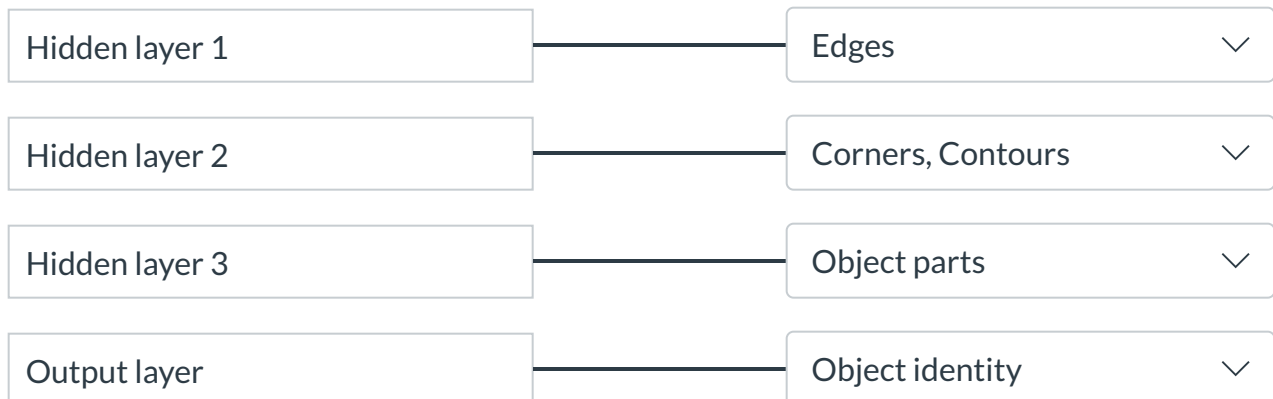
When did the modern discipline of Artificial Intelligence begin?

- ☐ 2000-2020
- ☐ 1980-2000
- ☐ 1960-1980
- ☒ 1940-1960
- ☐ 1800-1820

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Matching 1 point

In a 4 layer (3 hidden layers and one output layer) deep learning system for object recognition, would could the 4 layers be doing?



Possible answers

⋮ Edges

⋮ Corners, Contours

⋮ Object identity

⋮ Object parts

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Multiple Choice 1 point

Why is choosing the right representation of inputs important?

- ☒ The right representation will make the task easier to solve
- ☐ The right representation will protect your system from attackers
- ☐ The right representation will always produce correct answers
- ☐ The right representation will prevent software bugs

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Multiple Choice 1 point

Modern neural networks are called "deep" because they have many _____. (Fill in the blank)

- ☐ Weights
- ☒ Layers
- ☐ Inputs
- ☐ Outputs

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Multiple Choice 1 point

What is AlphaFold?

- ☐ A robot that uses deep learning to fold laundry
- ☒ A deep learning system that predicts a protein's 3D structure from its amino acid sequence
- ☐ A deep learning based chess playing program
- ☐ A deep learning system that learns to prove mathematical theorems