11 Essay 1 point
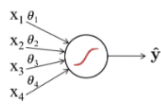
Explain what the following symbols and variables represent and how it can be used in SL.

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12pt Paragraph **B** *I* U A T² ...

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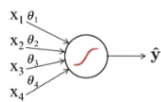Previous   Submit

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11 Essay 1 point

Explain what the following symbols and variables represent and how it can be used in SL.

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10 Essay 1 point

Explain what the following equation, variables and symbols represents:

$$f\left(w_0 + \mathbf{w}^T\mathbf{x}\right)$$

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9 Essay 1 point

Explain what a Maximum Likelihood Estimators are and how to can calculate them.

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8 Essay 1 point

Explain the difference between x fold validation and OOB.

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12pt Paragraph B I U T²

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8 Essay 1 point

Explain the difference between x fold validation and OOB.

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12pt Paragraph B I U T²

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7 Essay 1 point

Explain what the following equation, symbols and variables represent:

$$E = -\sum_{l=1}^{L}\sum_{h=1}^{H}(y_{lh}\log(o_{lh}) + (1-y_{lh})\log(1-o_{lh}))$$

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6 Essay 1 point

Explain what a Random Variable (RV) is and how to calculate the Expected Value of a RV.

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5 Essay   1 point

In neural networks explain what backpropogation is.

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p   ⌨   ⊕ | </>   +   —   ↗   ⋮

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4 Essay   1 point

Explain the working of a random forest and how it solves some of the weaknesses of the decision tree.

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p   ⌨   ⊕ | </>   +   —   ↗   ⋮

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3 Multiple choice   1 point

You play a game in a casino where a fair 6 sided dice is rolled. For each odd number you win 6 times the number in Euros, for each even number you lose the square of the number in Euros. What will happen if you play the game many times?

- ○ You will lose 45 Euros
- ○ You will win 45 Euros.
- ○ You will neither win nor lose money.
- ○ You will win 35 Euros
- ○ None of these.
- ○ All of these.

You play a game in a casino where a fair 6 sided dice is rolled. For each even number you win 3 times the number in Euros, for each odd number you lose the square of the number in Euros. How much should the casino charge for each game so that they will not lose money on this game?

- ○ At least one Euro.
- ○ Once the game is played many times the casino will win.
- ○ They will always win.
- ○ At least 0.17 Euros
- ○ At least 5 Euro.
- ○ None of these.
- ○ All of these.

Previous   Next

You play a game in a casino where a fair 6 sided dice is rolled. For each even number you win 13 times the number in Euros, for each odd number you lose the cube (power of 3) of the number in Euros. How much should the casino charge for each game so that they will not lose money on this game?

- ○ None of these.
- ○ All of these.
- ○ At least one Euro.
- ○ Once the game is played many times the casino will win.
- ○ At least 5 Euro.
- ○ They will always win.
- ○ At least 0.50 Euros

Next