CS343
Artificial Intelligence

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Good Morning, Colleagues

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Are there any questions?

Logistics

- Classification assignment due next Thursday

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- Machine learning faculty candidate on Thursday

- Vision faculty candidate on Friday

Common Questions

- How is that K-fold crossvalidation isn't peeking?

- What's a dual representation?

- Explain the kernel trick

- What's the point of the bias input?

- What's the need for hidden units

- How do k-d trees work?

Supervised Learning vs. RL

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Neural Networks

- Exercise 18.19: Construct a NN by hand that computes the XOR of two inputs. Be sure to specify what types of units you're using.

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    – Start by making perceptrons for OR and AND

x_0	x_1	OR	AND	XOR
0	0	0	0	0
0	1	1	0	1
1	0	1	0	1
1	1	1	1	0