

# **CS344M**

# **Autonomous Multiagent Systems**

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# Good Afternoon, Colleagues

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Are there any questions?

# Logistics

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- Next week's readings up

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- Progress reports due in 1 week

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# T-test vs. Paired T-test

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- Did you weigh less after the class than before?
- Who's better at tetris?
- Who's better at video games in general?

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- What if neither is significant?
- Can you run multiple times until you get a significant result?



# Other testing concepts

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- When use a chi-squared test?
- Discrete data classes (no such thing as a mean)
- Is the number of wins/ties/losses different vs. UvA than in self play?

# Mixed strategy equilibrium

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		Player 2	
		Action 1	Action 2
Player 1	Action 1	3,7	2,2
	Action 2	6,5	1,7

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- What if player 2 picks action 1  $\frac{3}{4}$  of the time?
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- Player 1 must be indifferent between actions 1 and 2
- Player 2 must be indifferent between actions 1 and 2

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Do actual numbers matter?