Class Schedule

This page will gradually fill with more details as the topic talks and project talks are scheduled. Click on the title for more details, including reading assignments, descriptions of homework assignments, etc.

Date	Topic	Assignment
Aug 27	Intro to Neural Nets	
Sep 03	Competitive Learning, Self-Organizing Maps	Personal ads due.
	Perceptrons	Homework 1 (Self-Organizing Maps) assigned.
Sep 10	Backpropagation	
	Deep Learning	
Sep 17	No Class	Homework 1 (Self-Organizing Maps) due.
		Homework 2 (Backpropagation) assigned.
Sep 24	Reinforcement Learning	
	Neuro-Evolution	
Oct 01	Game Playing	Homework 2 (Backpropagation) due.
	Subsymbolic Artificial Intelligence	
Oct 08	Practice questions	
Oct 15	Biological Neural Nets	Topic talk proposals due.
	Biological Modeling: The Visual Cortex	
Oct 22	Sabarish and Srinivasan: Committee machines	
Oct 29	Richard and Ruohan: Function Approximation in Reinf. Learning	Homework 3 (Game Agents) assigned.
	Chenhan and Lixun: Robot Control With Neuroevolution	
Nov 05	David, Josiah, Xiaorong: High-level Robot Behavior	
	Barry and Jimmy: Multi-agent behavior	Project proposals due
Nov 12	Alex, Elliot, Mark: Transfer Learning	Homework 3 (Game Agents) due (Results)
	Jacob and Yun: Combining Learning and Evolution	
Nov 19	Ankita and Venketaram: Language Representations	
	Joel and Woody: Time Series Analysis	
Nov 26	Kaivan and Pulkit: Text document Processing	
	Andrew and Hunter: Sentiment Analysis	
Dec 03	Project talks & Class Evaluation	

9:00 Chenhan, Lixun: NeuroRobotic Arm Collision Free Trajectory Planning

9:12 David, Josiah, Xiaorong: Evolving Petri Nets for Robot Control

9:24 Jacob and Yun: Combining Learning and Evolution

9:36 Barry and Jimmy: Multiagent Coordination

9:48 Richard and Ruohan: Understanding Deep Reinforcement Learning

10:00 Alex, Elliot, Mark: Knowledge Transfer in Neuroevolution Game Playing

10:12 Coffee Break

10:30 Joel and Woody: Stock-Market Prediction

10:42 Ankita and Venketaram: Topic Modeling

10:54 Sabarish and Srinivasan: Tweet Recommendation Based on User Interest

11:06 Kaivan and Pulkit: Movie Prediction System using IMDB data and Self Organizing Maps

11:18 Andrew and Hunter: Sentiment Analysis

11:30 Class Evaluation

Dec 15 11am CST — Project papers due.

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