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【CS188 Intro to AI – Course Materials】 http://t.cn/RqRInnA 加州大学伯克利分校课程CS188 《人工智能导论》材料。

UC Berkeley CS188 Intro to AI -- Course Materials

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Recommended Lecture Videos

We recommend watching the following set of lecture videos:

	Lecture Title	Lecturer	Semester
Lecture 1	Introduction	Dan Klein	Fall 2012
Lecture 2	Uninformed Search	Dan Klein	Fall 2012
Lecture 3	Informed Search	Dan Klein	Fall 2012
Lecture 4	Constraint Satisfaction Problems I	Dan Klein	Fall 2012
Lecture 5	Constraint Satisfaction Problems II	Dan Klein	Fall 2012
Lecture 6	Adversarial Search	Dan Klein	Fall 2012
Lecture 7	Expectimax and Utilities	Dan Klein	Fall 2012
Lecture 8	Markov Decision Processes I	Dan Klein	Fall 2012
Lecture 9	Markov Decision Processes II	Dan Klein	Fall 2012
Lecture 10	Reinforcement Learning I	Dan Klein	Fall 2012
Lecture 11	Reinforcement Learning II	Dan Klein	Fall 2012
Lecture 12	Probability	Pieter Abbeel	Spring 2014
Lecture 13	Markov Models	Pieter Abbeel	Spring 2014
Lecture 14	Hidden Markov Models	Dan Klein	Fall 2013
Lecture 15	Applications of HMMs / Speech	Pieter Abbeel	Spring 2014
Lecture 16	Bayes' Nets: Representation	Pieter Abbeel	Spring 2014
Lecture 17	Bayes' Nets: Independence	Pieter Abbeel	Spring 2014
Lecture 18	Bayes' Nets: Inference	Pieter Abbeel	Spring 2014
Lecture 19	Bayes' Nets: Sampling	Pieter Abbeel	Fall 2013
Lecture 20	Decision Diagrams / Value of Perfect Information	Pieter Abbeel	Spring 2014
Lecture 21	Machine Learning: Naive Bayes	Nicholas Hay	Spring 2014
Lecture 22	Machine Learning: Perceptrons	Pieter Abbeel	Spring 2014
Lecture 23	Machine Learning: Kernels and Clustering	Pieter Abbeel	Spring 2014
Lecture 24	Advanced Applications: NLP, Games, and Robotic Cars	Pieter Abbeel	Spring 2014
Lecture 25	Advanced Applications: Computer Vision and Robotics	Pieter Abbeel	Spring 2014

Additionally, there are additional Step-By-Step videos which supplement the lecture's materials. These videos are listed below:

	Lecture Title	Lecturer	Notes
SBS-1	DFS and BFS	Pieter Abbeel	Lec: Uninformed Search
SBS-2	A* Search	Pieter Abbeel	Lec: Informed Search
SBS-3	Alpha-Beta Pruning	Pieter Abbeel	Lec: Adversarial Search
SBS-4	D-Separation	Pieter Abbeel	Lec: Bayes' Nets: Independence
SBS-5	Elimination of One Variable	Pieter Abbeel	Lec: Bayes' Nets: Inference
SBS-6	Variable Elimination	Pieter Abbeel	Lec: Bayes' Nets: Inference
SBS-7	Sampling	Pieter Abbeel	Lec: Bayes' Nets: Sampling

SBS-8	Maximum Likelihood	Pieter Abbeel	Lec: Machine Learning: Naive Bayes
SBS-9	Laplace Smoothing	Pieter Abbeel	Lec: Machine Learning: Naive Bayes
SBS-10	Perceptrons	Pieter Abbeel	Lec: Machine Learning: Perceptrons

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