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Algorithms for Inference

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The material in this course constitutes a common foundation for work in machine learning, signal processing, artificial intelligence, computer vision, control, and communication. (Image courtesy of Nebraska Oddfish on Flickr. CC BY-NC-SA 2.0.)

Instructor(s)

Prof. Devavrat Shah

MIT Course Number

6.438

As Taught In

Fall 2014

Level

Graduate

Cite This Course

Course Description

Course Features

- Lecture notes
- Assignments (no solutions)
- Exams (no solutions)

Course Description

This is a graduate-level introduction to the principles of statistical inference with probabilistic models defined using graphical representations. The material in this course constitutes a common foundation for work in machine learning, signal processing, artificial intelligence, computer vision, control, and communication. Ultimately, the subject is about teaching you contemporary approaches to, and perspectives on, problems of statistical inference.

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