

E0 232 August-December 3:1 Probability and Syayistics

Instructor

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Department: Computer Science and Automation

Course Time: Tuesday/Thursday 11-12:30 Lecture venue: CSA 117 Detailed Course Page:

Announcements

Brief description of the course

The course teaches fundamentals of probability and statistics at a graduate level. It is not a first course on probability but more advanced than that.

Prerequisites

None

Syllabus

Probability spaces and continuity of probability measures, random variables and expectation, moment inequalities, multivariate random variables, sequence of random variables and different modes of convergence, Poisson process, laws of large numbers, introduction to simulation, Markov chains, statistical hypothesis testing, exponential models

Course outcomes

The students get a good handle on probability theory analytics and some aspects of modelling and simulation.

Grading policy

Five-six exercises, three quizzes, two mid-terms and one final exam.

Assignments

Resources