

IE 256 Statistics for IE Spring 2009

Instructor: Necati Aras, Ph.D.

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Lecture Hours: Wednesday 10:00-12:00 and Friday 13:00-14:00

P.S. Hours: Friday 14:00-15:00

Office Hrs: Tuesday 15:00-16:00 and Thursday 10:00-12:00

Web Site: www.ie.boun.edu.tr/~aras

Teaching Assistant: Emre Keskin

Topics:

1. Estimation ([slides](#), [slides](#))
 - 1.1 Sampling distributions ([slides](#), [slides](#))
 - 1.2 Confidence interval estimation
 - 1.3 Method of moments
 - 1.4 Maximum likelihood estimators
2. Hypothesis testing
3. One-way analysis of variance
4. Linear regression with one independent variable

Reference Book: Walpole, Myers, Myers, Ye: “Probability and Statistics for Engineers and Scientists”, 8th ed., Prentice Hall, New Jersey, USA 2007.

Course Hours and Rooms:

Tuesday: 10:00 to 11:00 (M1171)

Friday: 13:00 to 11:00 (M3100)

Evaluation:

Quizzes (30%)

Midterm exam (35%)

Final exam (35%)