

Matematiksel İstatistiğe Giriş (IST 2121)

Pazartesi 08:00-09:50 B1-D12

Cuma 14:00-15:50 B1-D04

Doç. Dr. Atıf EVREN

Topics

- 1) Review of basic probability.
- 2) Bivariate distributions
- 3) Discrete case.
- 4) Continuous case.
- 5) Marginal distributions
- 6) Conditional distributions.
- 7) Independence.
- 8) Covariance, correlation.
- 9) Multivariate extensions.
- 10) Moments. Moment generating functions.

References

- 1) Lecture notes.
- 2) Spiegel, Schiller, Srinivasan, Probability and Statistics, Schaum's outlines.
- 3) Larsen, Marx, An Introduction to Mathematical Statistics and Its Applications.

Evaluation

Two midterms (%30 each), final (40%)