MATH 557. MATHEMATICAL STATISTICS 2.

Credits: 4

Offered by: Mathematics and Statistics (Faculty of Science)

Terms offered: Winter 2026

View offerings for Winter 2026 in Visual Schedule Builder.

Description

Sufficiency, minimal and complete sufficiency, ancillarity. Fisher and Kullback-Leibler information. Elements of decision theory. Theory of estimation and hypothesis testing from the Bayesian and frequentist perspective. Elements of asymptotic statistics including large-sample behaviour of maximum likelihood estimators, likelihood-ratio tests, and chi-squared goodness-of-fit tests.

- Winter
- Prerequisite: MATH 556 and either MATH 324, MATH 357 or equivalent

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