MATH 523. GENERALIZED LINEAR MODELS.

Credits: 4

Offered by: Mathematics and Statistics (Faculty of Science)

This course is not offered this catalogue year.

Description

Exponential families, link functions. Inference and parameter estimation for generalized linear models; model selection using analysis of deviance. Residuals. Contingency table analysis, logistic regression, multinomial regression, Poisson regression, log-linear models. Multinomial models. Overdispersion and Quasilikelihood. Applications to experimental and observational data.

- Restriction: Not open to students who have taken MATH 426
- Winter
- Prerequisite: MATH 423 or MATH 533 or EPIB 697.

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