

STAT 4210: Bayesian Statistical Analysis

Application of Bayesian statistical procedures. Implementation using the programming language R. Bayes's Theorem. Bayesian statistical inference. Various types of prior distributions. Computer-intensive methods. Assessing the prior. Robustness analysis. Writing Bayesian statistical reports.

Credits: 3.0

Prerequisites:

MAT 4310

STAT 4310

MAT 4310 or STAT 4310

Program: Mathematics and Statistics