

MAT 4315: Applied Statistical Models

Simple and multiple linear regression, including prediction, correlation, model building, multicollinearity, influential observations, and model fit; ANOVA for designed experiments, including completely randomized, randomized block and factorial designs; Time Series including linear time series models, moving averages, autoregressive and ARIMA models, estimation and forecasting.

Credits: 3.0

Prerequisites:

MAT 1505

MAT 4310

MAT 1430

MAT 1505 :D- and (MAT 4310 :B- or MAT 1430 :B-)

Program: Mathematics and Statistics