STAT 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 1430
STAT 1430
MAT 4310
STAT 4310
MAT 1505 and (MAT 1430 or STAT 1430 or MAT 4310 or STAT 4310)
Program: Mathematics and Statistics