

STAT 350-3

Linear Models in Applied Statistics

Spring 2014
Day Course

Students requiring accommodations as a result of disability must contact the Centre for Students with Disabilities 778-782-3112 or csdo@sfu.ca

Instructor: Jorge Rodriguez (Surrey Campus)

Prerequisite:

STAT 285 and MATH 251.

Textbook:

Applied Linear Regression (3rd ed.) by Sanford Weisberg. Publisher: Wiley

Calendar Description:

Theory and application of linear regression. Normal distribution theory. Hypothesis tests and confidence intervals. Model selection. Model diagnostics. Introduction to weighted least squares and generalized linear models. **Quantitative.**

Outline:

1. Linear models: Definition, 3(n) 729.1r modeli