

Life after linear regression

A survey of Penn State
applied statistics graduate courses

The courses

- Stat 500: Applied Statistics
- Stat 501: Regression Methods
- Stat 502: Analysis of Variance & Design of Expts
- Stat 503: Design of Experiments
- Stat 504: Analysis of Discrete Data
- Stat 505: Applied Multivariate Statistical Analysis
- Stat 506: Sampling Theory and Methods
- Stat 509: Biostatistical Methods
- Stat 510: Applied Time Series Analysis

Stat 500: Applied Statistics

- Topics covered:
 - Descriptive statistics
 - Hypothesis testing and power
 - Estimation and confidence intervals
 - Regression
 - One- and two-way ANOVA
 - Chi-square tests
- Prerequisites
 - 2 credits of algebra