



## Brigham Research Education

### **Intermediate Biostats**

The unifying theme of these seminars is fitting models to data. The series will focus on simple regression models, multiple regression modeling, and logistic regression.

- [March 7](#) – Foundations of Correlation and Regression
- [March 14](#) – Multiple Regression
- [March 21](#) – Special Topics in Multiple Regression
- [March 28](#) – Logistic Regression

### **Topics in Biostats**

Topics in Biostatistics is a lecture series for investigators and research staff. Topics include Designing databases, Categorical analysis, Survival analysis and more.

- [May 2](#) – Categorical Analysis
- [May 9](#) – Categorical Analysis
- [June 8](#) – Survival Analysis
- [June 14](#) – Survival Analysis

### **Advanced Biostats**

The four-session series on advanced biostatistics approaches will be taught by John Orav, PhD, Associate Professor of Medicine (Biostatistics), Harvard Medical School. Each of the four sessions will focus on a different theme with emphasis on concepts and realistic examples rather than statistical theory. The goal of the seminar is to demonstrate advanced statistical approaches to questions explored by medical researchers.

- [May 23](#) – Analysis with Missing Data
- [May 30](#) – Longitudinal Analysis
- [June 6](#) – Non-Parametric Methods
- [June 13](#) – Sample Size

### **Introductory Biostats**

This weekly seminar of six week is led by Dr. Robert Goldman, Professor of Statistics, Graduate School for Health Sciences, Simmons College. Dr. Goldman's interests and publications are in statistical education. He has written several statistical textbooks and was an organizer of a series of conferences on statistics education.

- [October 10](#) – Data, Data Analysis, and R
- [October 17](#) – Bivariate Data Analysis
- [October 24](#) – Designing Studies
- [October 31](#) – Uncertainty and Sample Distributions
- [November 7](#) – A Gentle Introduction to Statistical Inference
- [November 14](#) – More on Statistical Inference