

Introduction to Logistic Regression

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The purpose of the 2-day seminar is to introduce the binary logistic regression model. The seminar will provide some conceptual background to understand estimation, but the course does not provide a calculus-based treatment of the topic. The seminar centers instead on the following:

- (1) interpretation of results from SPSS; and
- (2) the most popular coefficient transformations.

Attendees will learn that these topics are applicable to other regression models for discrete outcome variables, sometimes called limited or categorical dependent variables.

Prerequisite: Attendees should have a basic understanding of the standard linear model and statistical inference.

Audience: Attendees should be graduate students, researchers, and faculty members who want an introduction to logistic regression, or those who want a refresher course. Logistic regression is useful to those researchers interested in explaining binary-outcome dependent variables, which are sometimes called dummy, dichotomous, event, or categorical dependent variables.