# Stata 2: Statistical Modeling in Stata

Presented by the staff of

CSCAR (Consulting for Statistics, Computing & Analytics Research)

The University of Michigan

October 4, 2017

**Target Audience:**

Those who have basic familiarity with using Stata and with to learn how to start performing statistical tests and generating statistical models.

**Prerequisites:**

Stata 1: Introduction to Stata or equivalent knowledge: working with Stata and Do-files, creating and working with a well-labeled data-set, manipulating variables, subsetting data.

Some basic familiarity with some of the statistical methods listed below will be useful.

**Topics:**

We will cover the following statistical topics:

* Descriptive statistics
* Data visualization
* t-tests and chi-square tests
* Regression (linear, logistic)
* Mixed effects regression (a.k.a. repeated measures regression, hierarchical linear models, panel data regression)
* Multiple Imputation
* Analyzing survey data (using Stata’s svy: prefix)

Each will begin with a short theoretical discussion of the method followed by a practical lesson and several examples.

(Topics subject to change)

**Instructor:**

Josh Errickson is a statistical consultant at CSCAR.

**Details:**

Oct 4, 2017 9:00 AM – 4:30 PM, Modern Languages Building 2001A.

Enrollment is limited to 24 individuals.

**Fee:**

$347 for University of Michigan affiliated faculty, staff and students; $788 for others. Please make check payable to **CSCAR—University of Michigan**, or give the University Short Code to be billed. Send check to CSCAR, 3550 Rackham Bldg., University of Michigan; 915 E. Washington St., Ann Arbor MI 48109-1070.

**Registration:**

Call CSCAR at (734) 764-7828.