

# CSCAR

## Consulting for Statistics, Computing, and Analytics Research

**Web:** `cscar.research.umich.edu`

**Contact:**

`kshedden@umich.edu`

`cscar@umich.edu`

**Who we are:**

- ▶ 11 consulting staff; currently adding 4 additional people specifically to support data science work

**What we do:**

- ▶ Guidance on methods and infrastructure related to data science – ideas about what to do and how to do it.
- ▶ Software (R, Python, SAS, Matlab, several others...)
- ▶ Methods: Traditional and modern statistics, data-centered computing, machine learning, dimension reduction, geospatial methods, databases and large dataset management, visualization.

## **Our approach: what we can contribute to your research**

- ▶ Focus on answering research questions
- ▶ New perspectives about learning from data
- ▶ Uncertainty assessment
- ▶ Identifying strengths and weaknesses of different analytic approaches; presentation of results

## **How to interact with us:**

- ▶ Free consulting appointments for all U-M researchers
- ▶ Send your grad students to us!
- ▶ Bring one of our staff into your project (effort fraction or hourly)
- ▶ Workshops
- ▶ “Quick” question: email [statistics.help@umich.edu](mailto:statistics.help@umich.edu)



**CSCAR**

CENTER FOR  
STATISTICAL CONSULTATION & RESEARCH  
UNIVERSITY OF MICHIGAN

## Providing FREE statistical consulting to all UM faculty, staff, and graduate students

### How can we help you?

**Appointments:**

Individual meetings with our consultants at CSCAR or remotely

**Walk-ins:**

Immediate help from graduate student consultants

**E-mail us with questions:**

[statistics.help@umich.edu](mailto:statistics.help@umich.edu)

**Software support:**

SPSS, Stata, SAS, R, Mplus, HLM, Python, Matlab, nQuery, ArcGIS

### What can we help you with?

- Elementary and advanced statistical methods
- Computing and software for data analysis
- Study design and proposal preparation
- Interpretation and presentation of results
- Analysis of large data sets
- Statistical graphics and data visualization
- Data management strategies
- Simulation studies and methods assessment
- Contract analyses by professional statisticians
- Optimization and debugging of statistical code

CSCAR is part of Advanced Research Computing ([arc.research.umich.edu](http://arc.research.umich.edu)) in the U-M Office of Research ([research.umich.edu](http://research.umich.edu)).

### Contact information

**Web:** [cscar.research.umich.edu](http://cscar.research.umich.edu)

**E-mail:** [cscar@umich.edu](mailto:cscar@umich.edu)

**Phone:** 764-7828 (4-STAT)

**Location:**

3560 Rackham Building West  
915 E. Washington Street

### CSCAR workshops

Fall, winter and spring workshops on various topics including:

**Methods:**

Statistics: a review, Regression Analysis, Survival Analysis, Structural Equation Modeling

**Software:**

SPSS, Stata, SAS, R, HLM