

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



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

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) in the U-M Office of Research (research.umich.edu).

Contact information

Web: cscar.research.umich.edu

E-mail: 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