

We can provide statistical expertise during all stages of your research:

Study Design

The planning of your study can have a tremendous impact on whether or not your study is successful. We can help with experimental design, sample size calculations, data collection and management plans, randomization, and more.

Grant Proposals

We can assist you with your grant proposals to improve their statistical aspects and increase their chances of being funded.

Data Analysis

We can help choose and execute proper analyses for your data, including testing the necessary assumptions and making exploratory graphics.

Interpretation of Results

We can walk you through your results and help you to understand what they mean, both statistically and in the context of your study.

Assistance in Writing

We can help in writing and editing to ensure proper terminology and accurate descriptions of your methods and results. We can also assist in creating publication-quality graphics and plots.

Response to Reviewers

We can help understand the concerns of your reviewers, and can help respond or revise your manuscript, as necessary.

Statistical Consulting Service Contact Information

Locations

390 Ford Hall, Minneapolis
48 McNeal Hall, St. Paul

Information and Appointment Requests

clinic@stat.umn.edu; 612-625-3121
www.stat.umn.edu/consulting

Staff Information

Aaron Rendahl, PhD, Manager and Senior Consultant
arendahl@stat.umn.edu; 612-625-1062

Sanford Weisberg, PhD, Professor and Director
sandy@stat.umn.edu; 612-625-8355

Making an Appointment

To make an appointment, please email clinic@stat.umn.edu with your full name, your department (avoiding abbreviations), your university affiliation (faculty, student, or staff), and a brief summary of your research and statistical issues. If you are a student or staff, please also provide the name of your advisor or supervising faculty member, if appropriate.

Other Statistical Services

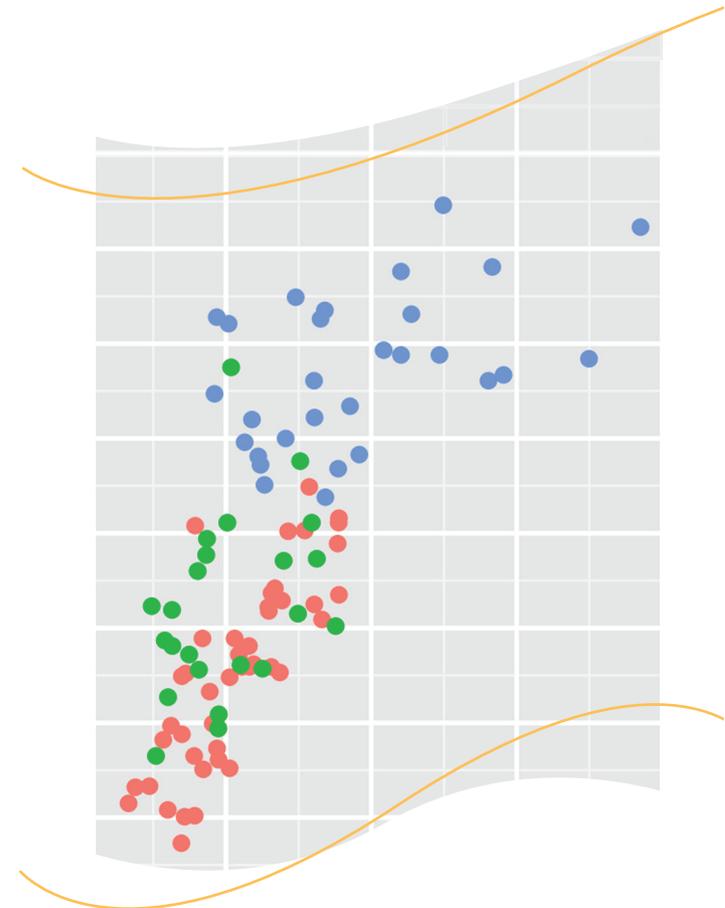
The Biostatistics Design and Analysis Center (<http://www.ctsi.umn.edu/research>) is a service component of the Academic Health Center, and provides a wide range of statistical services.

The Office of Research Consultation and Services (www.tc.umn.edu/~orcs) provides statistical consulting to the College of Education and Human Development.



Statistical Consulting Service

UNIVERSITY OF MINNESOTA



**Statistical Consulting Service
SCHOOL OF STATISTICS**

Part of the
Quantitative Methods Collaborative

www.stat.umn.edu/consulting

The Statistical Consulting Service of the School of Statistics provides statistical support to improve research in all areas at the University of Minnesota.

We can help you

- design experiments and surveys
- select and perform appropriate analyses
- interpret results
- write about statistical methods and results

We help with

- grant proposals
- journal articles
- student theses
- responses to reviewer comments

We listen to your scientific needs and work with you to translate them into statistical questions and find solutions that are reasonable and understandable.

We have worked on thousands of projects with University researchers, including everything from questions that can be answered on the spot to in-depth research projects that take months or years of collaboration, and we look forward to working with you.



What does a consultation look like?

A first meeting usually consists of a lot of listening; we want to be sure we understand your specific situation before making any suggestions. After that, it varies depending on your needs.

Some researchers prefer to just get advice and guidance; two or three meetings may be sufficient. Others prefer in-person working sessions, where we can provide more in-depth assistance. Others prefer that we do a full analysis and written report. Still others invite one of our staff consultants to contribute their expertise as a full collaborator on their research team.

Our consultants include both PhD level staff and faculty and PhD students from the School of Statistics with special training in statistical consulting. Our student consultants meet regularly with faculty and staff to review cases and get assistance on difficult problems.

We only provide in-person consultations made by appointment; walk-in, telephone, and email consultations are not available.

Expectations and Eligibility

Do I have to know any statistics?

Clients are *not* expected to already understand the statistical issues they face, or even to have any statistical background at all. Clients *should* be able to fully explain their experiment or study goals, and provide a basic overview of the issues involved.

Who is eligible?

All University of Minnesota faculty, staff, and students are eligible. Researchers from CEHD and AHC will first be referred to the statistical consulting organizations within those units.

What kinds of projects are eligible?

Any project of scientific and educational research within the University of Minnesota is eligible for this service. Consulting is not available for questions regarding classwork or non-university projects or for general statistical software or database management support, except in the context of specific projects.

How much does it cost?

The Statistical Clinic is a fee-for-service organization with an hourly consulting rate; current rates are available on our website. Researchers from CLA and CVM are eligible for free consulting as provided by those colleges.

Acknowledgement, including co-authorship, is appropriate when our work on the project warrants it; it is not appropriate as a substitute for funding.