

Statistical Consulting Center

Park library room 321, Central Michigan University

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Website:

<https://www.cmich.edu/colleges/se/math/Statistical%20Consulting%20Center/Pages/default.aspx>

Policy of the Statistical Consulting Center (SCC)

The mission of the SCC is to support the research of faculty across the University as well as graduate students engaged in original research. Undergraduate students and those enrolled in the non-thesis MSA program will be supported by math assistance center (MAC) in the Park library.

Available consulting topics include research planning, design of experiments and surveys, methods of analysis, use of Statistical computing programs, and interpretation of results. Workshop sessions are also available upon request.

Schedule Meetings:

To schedule the first appointment with the SCC, please use our convenient online form (<https://www.cmich.edu/colleges/se/math/Statistical%20Consulting%20Center/Pages/Statistical-Consulting-Center---Submission-of-Request.aspx>) and attach recommended documents. The follow-up communications would be through in person, e-mail or phone.

When the statistical assistance is needed by a graduate student, the request for assistance must be initiated by the student's advisor/supervisor. The advisor/supervisor must indicate in writing the level of assistance to be rendered. All initial appointments must be in person. If the student is unable to meet for the first appointment, their advisor should attend in their place. The SCC is not able to provide statistics tutoring or help with coursework.

It would be appreciated if the appointment is scheduled at least two business days in advance and review the "Policy of the Statistics Consulting Center" before the first meeting.

Recommended Documents:

Researchers are encouraged to contact the SCC in the early stage of a grant or study. If researchers are seeking advice on design and data analyses of his/her study, to help the Director become familiar with the study, it would be beneficial if the following documents are provided before or during the initial consulting session:

- Abstract of the proposal and/or a clear statement of the purpose of the project
- A list of research questions to be answered
- Copies of relevant articles and earlier work on similar topics in the discipline

If researchers are seeking advice on data analyses or report writing after data collection, in addition to the above items, the following documents are also needed:

- A copy of the project/research protocol, if available
- A sample of the data sheet
- An electronic copy of the complete data set (in the format of SPSS, SAS, R, Minitab or Microsoft Excel), if available
- Results of preliminary analyses performed, if available

Consulting Sessions:

The initial consulting session will be held with the Director and, in some cases, a graduate assistant (GA). This session may often be simply expository, with the researcher explaining his/her research problem. After this initial session the Director will classify the project into one of the following three categories:

1. Can be handled by the GA.
2. Can be handled by the Director.
3. Be referred to a Statistics Faculty with specific expertise. In this case, if pursued further, it'd be a collaborative research between the researcher and the Statistics Faculty.

The regular consulting service typically includes an initial meeting (in person) and a reasonable number of follow-up sessions (in person, e-mail or phone).

Collaborative Research and Publication:

The SCC encourages the acquisition of consulting assistance in the writing of research grants. Such an inclusion in the grant often enhances the likelihood of ultimately obtaining funding. In particular, the SCC invites investigators to include Statistics Consulting as an item in their research plan and budget. The SCC can provide help with the writing of statistical components in the preparation stage of a grant proposal. When the Director is involved with the grant proposal, the Director is expected to be a project co-investigator or co-PI.

Research projects involving the SCC may result in publications. The Director expects to be a co-author when (but not limited to):

1. the Director has made a notable contribution to the write up of the statistical analysis and conclusions section of the paper, or
2. the Director is actively involved either as a co-investigator/co-PI or collaborative researcher, from the beginning to the completion of a project or a funded grant.

Other than the situations listed above, if you feel that the SCC has provided helpful service to your project, it would be greatly appreciated if you include the SCC or the Director in the acknowledgment section in the publication of any form (such as thesis or plan B paper).

External Clients:

Statistical consulting is also available for clients outside the University on a fee-for-service basis. Please submit your request online (<https://www.cmich.edu/colleges/cst/math/Pages/Statistical-Consulting-Center---Submission-of-Request.aspx>), and we will contact you with further information on options and rates.