About StatLab and Its Policies

What is StatLab?

A statistical consulting service primarily for the students and faculty members of the University of Dhaka.

Rationale:

Statistical analysis has become an indispensable tool for quantitative research in almost all areas of science. It is often necessary to consult a statistician several times during the study, starting from the initial planning stage to the final report writing because the results of the study rely heavily on issues such as experimental design, quality of the collected data, choice of statistical methods for analysis and interpretation of statistical results. In the absence of a statistical consultation center within the university, students and faculty members from other disciplines do not know whom to turn to for expert advice. ISRT hopes to fill this void by assisting academicians and students from other disciplines to conduct high quality research in the university through its statistical consulting laboratory called StatLab.

Aims:

1) To strengthen quality of research on campus by assisting graduate students and faculty members from other disciplines with statistical aspects of their research work.
2) To create awareness regarding the need for sound statistical practices among researchers with no or little statistical training
3) To provide an environment for the MS students of Applied Statistics to develop consulting skills .
4) To promote professional development of the ISRT faculty members
5) To foster collaborative and interdisciplinary research

What kind of Services StatLab will provide?

1) StatLab focuses on academic research
2) Consultants can guide you to
   i)   select an appropriate design for your study (survey or experimental)
   ii)   develop a questionnaire (in case of survey)
   iii) choose appropriate statistical methods and software for data analysis and interpretation of results

General Recommendation:

Clients are encouraged to seek StatLab consultation before collecting their data, especially for the research that requires collecting primary and/or experimental data.

Policies:

1) StatLab will offer statistical consulting support to the researchers (e.g. postgraduate research students faculty members, etc.) affiliated with the University of Dhaka. This service is currently free of charge.

2) The client (i.e. student or faculty member or researchers) may seek advice on statistical aspects of their research work. This could include, for example, the experimental design, method of analysis, choice of software and interpretation of statistical results.

3) The consultation will NOT be available to teach how to use statistical software and to write code and to analyze data, but will be available to explain the appropriate statistical design and analysis for the problem. *However, if needed, we can introduce MS students (of Applied Statistics) who may help you.*

4) If the client is a student, he/she must obtain written permission from the Supervisor to avail StatLab's services. Noted that StatLab will not analyze data collected for the purpose of thesis or project work, but will explain the appropriate statistical analysis for the problem.

5) If client is faculty members or researchers, in exceptional circumstances, StatLab may analyze data, however, conditions will apply that must be mutually agreed upon by both parties. For instance, the client must acknowledge StatLab in any resulting publications and the consultant may claim authorship depending on type of contribution and volume of work. If the data is being analyzed as part of a project for which the client is entitled to monetary benefits, he/she must disclose this. In this case, a charge will apply in exchange for StatLab's services.

6) At the end of the consultation, both the client and consultant(s) may be requested to submit a brief report to the StatLab Coordination team.

ISRT reserves the right to make amendments to the above policies at any time.

How to request StatLab's services:

1) Consultations should be made via appointment. In order to make an appointment, clients must fill out a prescribed form that is available at https://www.isrt.ac.bd/statlab/ and provide a brief explanation of the research problem and type of assistance required. The filled out form along with supporting documentation must be sent to the ISRT office or emailed to **statlab@isrt.ac.bd**

2) StatLab will assign consultants (ISRT faculty member and/or M.S. students) who will contact the client to arrange a meeting.

3) Students must submit a letter of permission from the chair of the department or supervisor.