

**The Fourth University of Manitoba Statistics Research Workshop
August 4 to 6, 2004**

Organizing Committee

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Dates and Location

August 4 – 6, 2004

University of Manitoba – Fort Garry & Bannatyne campuses

The Workshop dates immediately precede those of the Joint Statistical Meetings, which are held in Toronto beginning August 8, 2004.

History and Background

This will be the fourth Statistics Workshop at the University of Manitoba. The first was held in July 2000 and hosted over 10 speakers from Canada and abroad. The second workshop was held in July 2001 and hosted over 15 speakers from around the world. The third workshop was held in July 2002 and hosted 7 speakers from Canada and abroad.

These first three workshops were planned by members of the Department of Statistics. Workshop participants came from the Departments of Statistics, Mathematics, Psychology, and Community Health Sciences, as well as from the University of Winnipeg.

The fourth Statistics Workshop is planned as a collaborative effort between the Department of Statistics and the Department of Community Health Sciences. One of the goals of the workshop is to promote research collaboration between statisticians and health and social science researchers. Another goal is to highlight theoretical and applied statistical research that is currently being undertaken at the University of Manitoba.

The Department of Statistics currently has 15 full-time faculty members with research interests in statistics, probability and stochastic processes. The Department of Community Health Sciences has more than 20 full-time and 80 part-time members with research interests in various areas of population and public health. The Department is home to the Biostatistics Consulting Unit, which provides statistical expertise to researchers from across the Faculty of Medicine.

Themes and Scientific Focus

The Workshop will encompass research on the theory and applications of statistics, probability, and stochastic processes. Emphasis will be given to applications in: (1) health and social science research, and (2) economics, business and finance. These topics will reflect areas of current research and expertise among members of the Department of Community Health Sciences and the Department of Statistics, respectively. Applications in health and social sciences will be the focus of the first day of the workshop. Theoretical statistics and applications of statistics in economics, business, and finance will be highlighted on the second and third days of the workshop.

Examples of topics that will be addressed on the first day of the workshop include recent developments in non-linear random effects models, analysis of longitudinal data, spatial regression models for infectious and chronic disease data, statistical design and analysis of clinical trials, and statistical genetics. Presentations on statistical applications in economics and finance tentatively include optimal portfolio selection, and applications of applied probability in economics and finance.

Preliminary Program

The workshop will consist of invited and contributed presentations, each of 40 minutes duration. The workshop will be held over two and half days, featuring three presentations each morning and three presentations each afternoon, with regular coffee and meal breaks.

A poster session and reception will be organized for the late afternoon/evening of the first day of the workshop. The poster session will be targeted at graduate students, and will provide them with the opportunity to obtain feedback on their current or future research.

The full program including abstracts of the planned talks will be available from the workshop website: <http://home.cc.umanitoba.ca/~leblanc1/UMworkshop.shtml>

Registration Fee

The registration fee is CAN \$120. This includes lunches and dinners on August 4th and 5th. Students can register for the reduced price of CAN \$60. There is no deadline for registration, but the organizing committee greatly appreciates early registrations.

Last updated: June 28, 2004