Meredith Franklin

Climate Research Section
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D.	Harvard University, Environmental Statistics, 2007
M.Sc.	Carleton University, Statistics, 2007
B.Sc.	McGill University, Mathematics and Statistics, 2001

Professional Experience:

2007-Present   Post-Doctoral Appointee
Environmental Science Division
Argonne National Laboratory

Responsible for the development of spatio-temporal models of various surface and upper atmospheric parameters from the Atmospheric Radiation Measurement Program.

Summary of Previous Experience:

2003-2007   Harvard University, Boston, MA

Served as a teaching fellow and teaching assistant for multiple courses in the departments of Statistics, Biostatistics and Environmental Health.

Conducted research in the area of particulate matter air pollution with focus on developing spatial statistical models of satellite aerosol optical thickness and surface meteorology to predict ground-level fine particulate matter concentrations.

Conducted research in the area of environmental epidemiology with focus on determining the association between increases in source-specific particulate matter air pollution and subsequent adverse health effects.

2002-2003   Federal Government of Canada, Health Canada, Ottawa ON

Performed statistical analysis for several research projects investigating the impact of indoor and outdoor air pollution on human health.

2001-2002   AMEC Technologies Ltd., Ottawa ON

Acted as a consultant and analyst on federally funded projects. Primarily involved in the development and implementation of methodology to digitize historical and cultural material for the Canadian Department of Heritage.

Research Interests:

Current research interest is in the area of environmental statistics, particularly in the development of statistical methodology for modeling spatial and temporal processes in atmospheric science.

Professional Activities:

American Statistical Association
American Geophysical Union
Journal of Science Education and Technology (Reviewer)

Publications:

Author/co-author of over 10 journal articles, reports, and presentations.