

SHINTARO HAGIWARA

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OBJECTIVE / SUMMARY

Driven to provide reports and presentations with informative, statistically sound, yet easy to understand interpretations and recommendations. My academic background covers a diverse field of statistics including; experimental design, imputation methodology, data mining, and statistical computing. These foundations have been applied to solving industry problems, as well as fostering academic research.

CORE COMPETENCIES

- ❑ Unprejudiced critical thinker
- ❑ Collaborative team player
- ❑ Effective communicator and attentive listener
- ❑ Mastery-oriented learner and educator
- ❑ Detail-oriented data processor and analyzer

TECHNOLOGICAL & SCIENTIFIC SKILLS

- ❑ Skilled statistician with strong theoretical background in survey sampling, data mining, categorical analysis, and time series analysis, along with experiences in the analysis of clinical trial data and applications in the field of health science
- ❑ Computer skills: R, SAS, MS Office, and basic LaTeX

SELECTED ACHIEVEMENTS

Developed an optimal design for the Hill model under the binary-response experiments.

Funded by a Research Assistantship for thesis-related work with the McLaughlin Centre for Population Health Risk Assessment.

Taught myself, over the course of two summers, the material presented in advanced statistics courses in survey sampling and categorical data analysis.

Analyzed and **documented** key statistical findings, implications, and recommendations on a clinical trial data.

Presented a brief introduction to the time series analysis with application in telecommunication data

Completed over 25 university courses in mathematics and statistics.

RELEVANT EXPERIENCE

Statistical Analyst

2013 –

*Centre for Quantitative Analysis and Decision Support
Carleton University, Ottawa, Ontario*

Statistical Analyst at Carleton University's Centre for Quantitative Analysis and Decision Support (CQADS). Duties include (but are not limited to) data cleaning, assumption validation, statistical analyses, and documentation of findings. Previously worked with Canadian College of Naturopathic Medicine.

Research Assistant

2012 –

McLaughlin Center for Population Health Risk Assessment, Ottawa, Ontario

Research Assistant of the McLaughlin Centre for Population Health Risk Assessment at University of Ottawa. Responsible for extending the concept of Signal-to-Noise Crossover Dose (SNCD) for establishing the human exposure guidelines. The optimal designs for the SNCD and the benchmark dose (BMD) are derived under the Hill model. Reference doses based on SNCD and BMD are compared for 1400 rodent carcinogen experiments provided by the U.S. National Toxicology Program.

EDUCATION & PERSONAL DEVELOPMENT

M.Sc. (Statistics)

2012 –

Carleton University, Ottawa, Ontario

Thesis: Optimal Design for Signal-to-Noise Crossover Dose: An Application to Health Risk Assessment
Topics: design of experiment; statistical computing; human exposure guidelines.

B.Math (Statistics)

2007 – 2012

Carleton University, Ottawa, Ontario

Thesis: Nonresponse error in survey sampling
Topics: survey sampling; imputation methodology
Highest Honours, Dean's List

PERSONAL

Language Skills: fluent in English and Japanese (mother tongue).

Active Interests: tennis, soccer, cooking, baking, and reading (novels, non-fictions, and business).

Other:

- ❑ Private Japanese tutor since 2013.
- ❑ Volunteer at Carleton University's Paul Menton Center for Students with Disabilities.
- ❑ Fundraising volunteer for 2011 Tohoku earthquake in Japan.

Ability to travel and to **work overtime** as required.