BO NING

Department of Statistics
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EDUCATION

Ph.D. candidate, Statistics, North Carolina State University *May, 2018 (expected)*
Advisors: Dr. Peter Bloomfield and Dr. Subhashis Ghoshal

M.S., Economics, North Carolina State University *December, 2013*
Advisor: Dr. Atsushi Inoue

RESEARCH INTERESTS

Bayesian dynamic time series models; Bayesian high-dimensional problems; nonparametric; Astrostatistics; causal inference.

PAPERS SUBMITTED/IN PREPARATION

[4] Bo Ning, Subhashis Ghoshal, 2017. Bayesian multivariate linear regression with correlated errors under group sparsity. In preparation.

[3] Bo Ning, Sujit Ghosh and Angie Wolfgang, 2017. Predicting exoplanet masses and radii: a nonparametric approach. In preparation.

[2] Bo Ning, Subhashis Ghoshal and Jewell Thomas, 2017. Bayesian method for causal inference in spatially-correlated multivariate time series. Under revision.

[1] Bo Ning and Peter Bloomfield, 2017. Bayesian inference for generalized extreme value distribution with Gaussian copula dependence. Working paper, *Arxiv:1703.00968*.

PRESENTATIONS AND WORKSHOPS

Predicting Exoplanet Masses and Radii: A Nonparametric Approach.

· (*Invited talks*) 3rd workshop on extreme precise radius velocities (EPRV), Penn State University, August 14–17, 2017
· (*Invited talks*) ASTRO transition workshop, SAMSI, NC, May 8–10, 2017.
· (*Poster*) Joint Statistical Meeting, Baltimore, Auguest, 2017

Bayesian method for causal inference in spatially-correlated multivariate time series.

· (*Invited talks*) Maxpoint research day, Maxpoint Interactive Inc., Morrisville, NC, March, 2016
· (*Poster*) Joint Statistical Meeting, Chicago, August, 2016
· (*Presentation*) ICSA Applied Statistics Symposium, Jun 12–15, Atlanta, 2016
· (*Poster*) Graduate Student Research Symposium, the Graduate School, NCSU, March, 2016

Bayesian inference for generalized extreme value distribution with Gaussian copula dependence.

· (*Presentation*) International conference on advances in interdisciplinary statistics and combinatorics, Greensboro, NC, Sep 30–Oct 2, 2016

Workshops

- ASTRO: Astrophysical population emulation and uncertainty quantification, SAMSI, NC, April 3–7, 2017
- ASTRO: Hierarchical Bayesian modeling of exoplanet populations (by invitation only), SAMSI, NC, Oct 17–28, 2016
- Workshop on "Statistical, Mathematical and Computational Methods for Astronomy (ASTRO)", SAMSI, NC, Aug 22–26, 2016

TEACHING EXPERIENCE

Lab instructor

- Experimental Statistics for Biological Sciences II *(Ph.D. and master level)*
  Fall, 2015; Spring 2016; Fall 2016; Fall 2017

Online course teaching assistant

- SAS Programming I *(Master level)*
  Fall, 2014; Spring, 2015

Grader

- SAS Programming I *(Master level)*
  Summer, 2014
- Statistical Practice (Consulting) *(Ph.D. and Master level)*
  Spring, 2016; Spring, 2017

HONORS, AWARDS AND MEMBERSHIPS

- Certificate of Accomplishment in Teaching (CoAT), the Graduate School, NCSU, 2016
- Outstanding Teaching Assistant Award, the Department of Statistics, NCSU, 2015
- Outstanding Teaching Assistant Award for Excellence in Mentorship, Graduate Student Association, NCSU, 2015
- Graduate Student Summer Teaching Institute, the Graduate School, NCSU, June 9–11, 2014
- Member of ASA, ISBA, ICSA
- Member of Mu Sigma Rho, National Statistical Honor Society, 2014

INTERNSHIP EXPERIENCE

- Data Scientist Intern, MaxPoint Interactive Inc. Morrisville, NC. *Summer, 2016*
- Product Analytics Summer Intern, MaxPoint Interactive Inc. Morrisville, NC. *Summer, 2015*

PROGRAMMING SKILLS

- Proficient: R, SAS, MATLAB, LaTeX
- Mid-level: Python
- Familiar: Julia (IJulia)

LANGUAGE

- Native/fluent: Chinese (Cantonese, Gan, Mandarin), English
- Intermediate: Japanese
- Limited: French, Hakka, Taiwanese, Thai, Spanish