Serge Aleshin-Guendel **Updated: February 22, 2020**

Contact

Department of Biostatistics, Box 357232
University of Washington
Seattle, WA 98195

Email: aleshing@uw.edu
Web: aleshing.github.io
github: github.com/aleshing

Interests

Bayesian Statistics, Spatio-Temporal Statistics, Record Linkage, Multiple-Systems Estimation, Human Rights Research, Child Mortality Estimation

Education

University of Washington, Seattle, WA **Fall 2017 - Spring 2022 (Expected)**
Ph.D. in Biostatistics
Advisors: Mauricio Sadinle, Ph.D. and Jon Wakefield, Ph.D.

Boston College, Chestnut Hill, MA **Fall 2013 - Spring 2017**
B.S. in Mathematics, Departmental Honors
B.A. in Computer Science, Departmental Honors
Summa Cum Laude

Research Experience

Research Assistant
University of Washington, Department of Biostatistics
Supervisor: Mauricio Sadinle, Ph.D. **Fall 2019 - Present**
Supervisor: Susanne May, Ph.D. **Winter 2020**
Supervisor: Jon Wakefield, Ph.D. **Summer 2019**

Fred Hutchinson Cancer Research Center
Supervisor: Ruth Etzioni, Ph.D. **Fall 2017 - Summer 2018**

Computational Biology and Biostatistics Summer Research Program
University of Wisconsin-Madison, Department of Biostatistics & Medical Informatics
Supervisors: Mark Craven, Ph.D. and Yuriy Sverchkov, Ph.D. **Summer 2016**

Columbia Summer Institute for Training in Biostatistics
Columbia University, Department of Biostatistics
Supervisor: Christine Mauro, Ph.D. **Summer 2015**

Teaching Experience

Teaching Assistant
University of Washington
BIOST509 - Introduction to R for Data Analysis in the Health Sciences **Fall 2018, Fall 2019**
BIOST310 - Biostatistics for the Health Sciences **Spring 2019**
STAT554 - Statistical Methods for Spatial Data **Winter 2019**

Boston College
CSCI2244 - Randomness & Computation **Spring 2016, Spring 2017**
CSCI3345 - Machine Learning **Fall 2016**
CSCI2243 - Logic & Computation **Fall 2015**
CSCI1101 - Computer Science I **Fall 2014 - Spring 2015**

Grader
Boston College
MATH4427 - Mathematical Statistics **Fall 2015, Spring 2017**
MATH3320 - Introduction to Analysis **Fall 2016**
MATH1180 - Principles of Statistics for the Health Sciences **Spring 2016**
MATH1004 - Finite Probability & Applications **Fall 2014 - Spring 2015**

Publications

1. **Aleshin-Guendel S** and Sadinle M. "Multifile record linkage and duplicate detection via a structured prior for partitions." In preparation.
2. **Aleshin-Guendel S**, Lange J, and Etzioni R. "Latent modeling of prostate cancer to determine the biological effects of race and family history on risk of disease." In preparation.
3. Ivancic MM, Megna B, **Aleshin-Guendel S**, Sverchkov Y, Craven M, Reichelderfer M, Pickhardt PJ, Sussman MR, and Kennedy GD. "Noninvasive detection of colorectal carcinomas using serum protein biomarkers." Journal of Surgical Research. 2020; 160-169.
4. Lim DM, Gulati R, **Aleshin-Guendel S**, Gawne A, Wingate JT, Cheng HH, Etzioni R, Yu EY. "Undetectable prostate-specific antigen after short- course androgen deprivation therapy for biochemically recurrent patients correlates with metastasis-free survival and prostate cancer-specific survival." The Prostate. 2018; 1-7.

Invited Presentations

1. "Interval-Censored Survival Analysis to Reduce Detection Bias in a Study of Family History, Race, and Cancer Risk"
   WNAR of the International Biometric Society, Portland, OR **2019**

Contributed Presentations

1. "Multifile Record Linkage and Duplicate Detection Via a Structured Prior for Partitions"
   Joint Statistical Meetings, Denver, CO **2019**

Activities

University of Washington

Biostatistics Activities and Events Squad (BAES) **Fall 2018 - Present**
Space-Time Reading Group **Fall 2017 - Spring 2019**

Honors and Awards

American Statistical Association (ASA)

Student Paper Competition Winner, Social Statistics, Government Statistics, and Survey Research Methods Sections **2020**

Boston College

Phi Beta Kappa Honor Society **2017**
Pi Mu Epsilon Mathematics Honor Society **2016**
McGillycuddy-Logue Travel Grant **2014**

Service

Manuscript Reviewer

Annals of Applied Statistics **2019**

University of Washington

Department of Biostatistics Student-Faculty Relations Committee **Fall 2018 - Present**

Skills

Languages: R, C++, Stan, Python, Java
Other: LaTeX