

CONTACT	Department of Biostatistics, Box 357232 University of Washington Seattle, WA 98195	Email: aleshing@uw.edu Web: aleshing.github.io
RESEARCH INTERESTS	Bayesian Statistics, Multiple-Systems Estimation, Record Linkage, Spatio-Temporal Statistics, Human Rights, Child Mortality Estimation	
EDUCATION	University of Washington , Seattle, WA Ph.D. in Biostatistics Advisors: Mauricio Sadinle, Ph.D. and Jon Wakefield, Ph.D.	Fall 2017 - Spring 2022 (Expected)
	Boston College , Chestnut Hill, MA B.S. in Mathematics, Departmental Honors B.A. in Computer Science, Departmental Honors <i>Summa Cum Laude</i>	Fall 2013 - Spring 2017
RESEARCH EXPERIENCE	Research Assistant University of Washington, Department of Biostatistics Supervisor: Mauricio Sadinle, Ph.D. Supervisor: Susanne May, Ph.D. Supervisor: Jon Wakefield, Ph.D.	Fall 2019 - Present Winter 2020 - Summer 2020 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 BIOST537 - Survival Data Analysis In Epidemiology BIOST570 - Advanced Regression Methods for Independent Data BIOST509 - Introduction to R for Data Analysis in the Health Sciences BIOST310 - Biostatistics for the Health Sciences STAT554 - Statistical Methods for Spatial Data	Winter 2021 Fall 2020 Fall 2018, Fall 2019 Spring 2019 Winter 2019
	Boston College CSCI2244 - Randomness & Computation CSCI3345 - Machine Learning CSCI2243 - Logic & Computation CSCI1101 - Computer Science I	Spring 2016, Spring 2017 Fall 2016 Fall 2015 Fall 2014 - Spring 2015
	Grader Boston College MATH4427 - Mathematical Statistics MATH3320 - Introduction to Analysis MATH1180 - Principles of Statistics for the Health Sciences	Fall 2015, Spring 2017 Fall 2016 Spring 2016

**SUBMITTED/IN
PREPARATION**

1. **Aleshin-Guendel S**. “Latent Class Modeling in Space and Time.” In preparation.
2. **Aleshin-Guendel S**, Sadinle M, and Wakefield J. “Revisiting Identifying Assumptions for Population Size Estimation.” *arXiv preprint arXiv:2101.09304*. Submitted
 - ▷ The material presented in Appendix A previously appeared in the following preprint:
Aleshin-Guendel S. “On the Identifiability of Latent Class Models for Multiple-Systems Estimation.” *arXiv preprint arXiv:2008.09865*.
3. **Aleshin-Guendel S** and Sadinle M. “Multifile Partitioning for Record Linkage and Duplicate Detection.” Under Revision.
 - ▷ 2020 ASA Social Statistics, Government Statistics, and Survey Research Methods Sections Student Paper Competition First Place

PUBLICATIONS

1. **Aleshin-Guendel S**, Lange J, Goodman P, Weiss N, and Etzioni R. “A Latent Disease Model to Reduce Detection Bias in Cancer Risk Prediction Studies.” Accepted, *Evaluation & the Health Professions*. Special Issue: Latent Transition/Latent Markov Modeling in Health and Evaluation Studies
2. **Aleshin-Guendel S**, Sadinle M, and Wakefield J. Discussion of “Multiple-systems analysis for the quantification of modern slavery: classical and Bayesian approaches” by Bernard Silverman. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*. 2020; 183 (3), 724.
3. Ivancic M, Megna B, **Aleshin-Guendel S**, Sverchkov Y, Craven M, Reichelderfer M, Pickhardt P, Sussman M, and Kennedy G. “Noninvasive detection of colorectal carcinomas using serum protein biomarkers.” *Journal of Surgical Research*. 2020; 246, 160–169.
4. Lim D, Gulati R, **Aleshin-Guendel S**, Gawne A, Wingate J, Cheng H, Etzioni R, Yu E. “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; 78 (14), 1077–1083.

**INVITED
PRESENTATIONS**

1. “Multifile Record Linkage and Duplicate Detection Via a Structured Prior for Partitions”
SDSS, Virtual **2020**
2. “Interval-Censored Survival Analysis to Reduce Detection Bias in a Study of Family History, Race, and Cancer Risk”
WNAR, Portland, OR **2019**

**CONTRIBUTED
PRESENTATIONS**

1. “Multifile Record Linkage and Duplicate Detection Via a Structured Prior for Partitions”
JSM, Virtual **2020**
2. “Revisiting Log-Linear Models for Multiple-Systems Estimation”
WNAR, Virtual **2020**
3. “Multifile Record Linkage and Duplicate Detection Via a Structured Prior for Partitions”
JSM, Denver, CO **2019**

ACTIVITIES**University of Washington**

Biostatistics Activities and Events Squad (BAES)
Space-Time Reading Group

Fall 2018 - Present
Fall 2017 - Spring 2019

HONORS AND AWARDS	American Statistical Association (ASA)	
	Social Statistics, Government Statistics, and Survey Research Methods Sections, Student Paper Competition First Place	2020
	Boston College	
	Phi Beta Kappa Honor Society	2017
	Pi Mu Epsilon Mathematics Honor Society	2016
	McGillcuddy-Logue Travel Grant	2014
SERVICE	Manuscript Reviewer	
	Journal of Survey Statistics and Methodology	2021
	Annals of Applied Statistics	2019, 2020
	University of Washington	
	Department of Biostatistics Student-Faculty Relations Committee	Fall 2018 - Summer 2020
SKILLS	Languages: R, C++, Stan, Python, Java	
	Other: L ^A T _E X	