

CONTACT	Email: serge.aleshin-guendel@duke.edu Web: aleshing.github.io	
RESEARCH INTERESTS	Bayesian Statistics, Record Linkage, Multiple-Systems Estimation, Spatio-Temporal Statistics, Small Area Estimation, Human Rights, Child Mortality Estimation	
PROFESSIONAL POSITIONS	Duke University , Durham, NC Postdoctoral Associate Advisor: Beka Steorts, Ph.D.	09/2022 - Present
EDUCATION	University of Washington , Seattle, WA Ph.D. in Biostatistics Dissertation Title: “Statistical Methods for Human Rights and Child Mortality Estimation” Committee: Mauricio Sadinle (co-chair), Jon Wakefield (co-chair), and Abel Rodriguez	08/2022
	Boston College , Chestnut Hill, MA B.S. in Mathematics, Departmental Honors B.A. in Computer Science, Departmental Honors <i>Summa Cum Laude</i>	05/2017
PUBLICATIONS	<ol style="list-style-type: none"> 1. Msemburi M, Karlinsky A, Knutson V, Aleshin-Guendel S, Chatterji S, and Wakefield J. “The WHO estimates of excess mortality associated with the COVID-19 pandemic.” To Appear, <i>Nature</i>. 2. Knutson V, Aleshin-Guendel S, Karlinsky A, Msemburi W, and Wakefield J. “Estimating Global and Country-Specific Excess Mortality During the COVID-19 Pandemic.” To Appear, <i>Annals of Applied Statistics</i>. ▷ Available on arXiv: arXiv:2205.09081 3. Aleshin-Guendel S, Sadinle M, and Wakefield J. “The Central Role of the Identifying Assumption in Population Size Estimation.” To appear with discussion, <i>Biometrics</i>. ▷ Available on arXiv: arXiv preprint arXiv:2101.09304 ▷ 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.” <i>arXiv preprint arXiv:2008.09865</i>. 4. Aleshin-Guendel S and Sadinle M. “Multifile Partitioning for Record Linkage and Duplicate Detection.” <i>Journal of the American Statistical Association</i>. 2022, 1–10. ▷ 2020 ASA Social Statistics, Government Statistics, and Survey Research Methods Sections Student Paper Competition First Place ▷ Available on arXiv: arXiv preprint arXiv:2110.03839 5. 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.” <i>Evaluation & the Health Professions</i>. 2021; 44 (1), 42-49. 6. 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. <i>Journal of the Royal Statistical Society: Series A (Statistics in Society)</i>. 2020; 183 (3), 724. 	

7. 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.
8. 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.

SUBMITTED/IN PREPARATION

1. **Aleshin-Guendel S** and Wakefield J. “Adaptive Gaussian Markov Random Fields for Child Mortality Estimation.” In preparation.
2. **Aleshin-Guendel S**. “Latent Class Modeling in Space and Time.” In preparation.

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**

HONORS AND AWARDS

University of Washington

School of Public Health Outstanding Biostatistics PhD Student Award **2022**

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**

McGillycuddy-Logue Travel Grant **2014**

SERVICE

Manuscript Reviewer

Vaccine **2021**

Journal of Survey Statistics and Methodology **2021**

Annals of Applied Statistics **2019, 2020**

University of Washington

Biostatistics Activities and Events Squad (BAES) **Fall 2018 - Summer 2022**

Department of Biostatistics Admissions Committee **Fall 2020 - Winter 2021**

Department of Biostatistics Student-Faculty Relations Committee **Fall 2018 - Summer 2020**

RESEARCH EXPERIENCE	Research Assistant	
	University of Washington, Department of Biostatistics	
	Supervisor: Mauricio Sadinle	Fall 2019 - Summer 2022
	Supervisor: Susanne May	Winter 2020 - Summer 2020
		Summer 2019
	Fred Hutchinson Cancer Research Center	
	Supervisor: Ruth Etzioni	Fall 2017 - Summer 2018
	Computational Biology and Biostatistics Summer Research Program	
	University of Wisconsin-Madison, Department of Biostatistics & Medical Informatics	
	Supervisors: Mark Craven and Yuriy Sverchkov	Summer 2016
	Columbia Summer Institute for Training in Biostatistics	
	Columbia University, Department of Biostatistics	
	Supervisor: Christine Mauro	Summer 2015
TEACHING EXPERIENCE	Teaching Assistant	
	University of Washington	
	BIOST537 - Survival Data Analysis In Epidemiology	Winter 2021, Winter 2022
	BIOST570 - Advanced Regression Methods for Independent Data	Fall 2020
	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
ACTIVITIES	University of Washington	
	Space-Time Reading Group	Fall 2017 - Spring 2019
SKILLS	Languages: R, C++, Stan, Python, Java	
	Other: L ^A T _E X	