

<b>CONTACT</b>	<b>Email:</b> <a href="mailto:serge.aleshin.guendel@census.gov">serge.aleshin.guendel@census.gov</a> <b>Web:</b> <a href="https://aleshing.github.io">aleshing.github.io</a>	
<b>RESEARCH INTERESTS</b>	Record Linkage, Multiple-Systems Estimation, Bayesian Statistics, Spatio-Temporal Statistics, Small Area Estimation, Human Rights, Child Mortality Estimation	
<b>PROFESSIONAL POSITIONS</b>	<b>U.S. Census Bureau</b> , Center for Statistical Research and Methodology <b>07/2023 - Present</b> Research Mathematical Statistician	
	<b>Duke University</b> , Durham, NC Postdoctoral Associate Advisor: Rebecca C. Steorts, Ph.D.	<b>09/2022 - 06/2023</b>
<b>EDUCATION</b>	<b>University of Washington</b> , Seattle, WA Ph.D. in Biostatistics Dissertation Title: “ <a href="#">Statistical Methods for Human Rights and Child Mortality Estimation</a> ” Committee: Mauricio Sadinle (co-chair), Jon Wakefield (co-chair), and Abel Rodriguez	
	<b>Boston College</b> , Chestnut Hill, MA B.S. in Mathematics, Departmental Honors B.A. in Computer Science, Departmental Honors <i>Summa Cum Laude</i>	<b>05/2017</b>
<b>PUBLICATIONS</b>	<ol style="list-style-type: none"> <li><b>Aleshin-Guendel S</b> and Wakefield J. “Adaptive Gaussian Markov Random Fields for Child Mortality Estimation.” <i>Biostatistics</i> (Accepted).            ▷ Available on arXiv: <a href="https://arxiv.org/abs/2309.00724">arXiv:2309.00724</a> </li> <li><b>Aleshin-Guendel S</b> and Steorts R. “Convergence Diagnostics for Entity Resolution.” <i>Annual Review of Statistics and Its Application</i>. 2024; 11, 419-435.</li> <li><b>Aleshin-Guendel S</b>, Sadinle M, and Wakefield J. “The Central Role of the Identifying Assumption in Population Size Estimation.” <i>Biometrics</i> (with discussion). 2024; 80(1), ujad028.            ▷ Available on arXiv: <a href="https://arxiv.org/abs/2101.09304">arXiv preprint arXiv:2101.09304</a>            ▷ The material presented in Appendix A previously appeared in the following preprint: <b>Aleshin-Guendel S</b>. “On the Identifiability of Latent Class Models for Multiple-Systems Estimation.” <i>arXiv preprint arXiv:2008.09865</i>.         </li> <li>Hood J, <b>Aleshin-Guendel S</b>, Poel A, Liu J, Collins H, Sadinle M, Avoundjian T, Sayre M, and Rea T. “Overdose and mortality risk following a non-fatal opioid overdose treated by Emergency Medical Services in King County, Washington.” <i>Drug and Alcohol Dependence</i>. 2023; 253, 111009.</li> <li><b>Aleshin-Guendel S</b> and Sadinle M. “Multifile Partitioning for Record Linkage and Duplicate Detection.” <i>Journal of the American Statistical Association</i>. 2023; 118 (543), 1786-1795.            ▷ 2020 ASA Social Statistics, Government Statistics, and Survey Research Methods Sections Student Paper Competition First Place            ▷ Available on arXiv: <a href="https://arxiv.org/abs/2110.03839">arXiv preprint arXiv:2110.03839</a> </li> <li>Knutson V, <b>Aleshin-Guendel S</b>, Karlinsky A, Msemburi W, and Wakefield J. “Estimating Global and Country-Specific Excess Mortality During the COVID-19 Pandemic.” <i>Annals of Applied Statistics</i>. 2023; 17 (2), 1353-1374.</li> </ol>	

▷ Available on arXiv: [arXiv:2205.09081](https://arxiv.org/abs/2205.09081)

7. 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.” *Nature*. 2023; 613 (7942), 130-137.
8. **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.” *Evaluation & the Health Professions*. 2021; 44 (1), 42-49.
9. **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.
10. 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.
11. 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. Kunderinger B, **Aleshin-Guendel S**, and Steorts R. “Variational Beta Linkage.” Submitted.

#### 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****Grant Reviewer**

National Science Foundation

**2023****Manuscript Reviewer**

Journal of the Royal Statistical Society: Series A (Statistics in Society)

**2023**

Vaccine

**2021**

Journal of Survey Statistics and Methodology

**2021, 2022**

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****SKILLS****Languages:** R, C++, Stan, Python, Java**Other:** L<sup>A</sup>T<sub>E</sub>X