

Andee Kaplan

CONTACT INFORMATION	Department of Statistics Colorado State University Fort Collins, CO 80523-1877	<i>E-mail:</i> andee.kaplan@colostate.edu <i>WWW:</i> https://andeekaplan.com ORCID: 0000-0002-2940-889X
EDUCATION	Ph.D. in Statistics , Iowa State University, Ames, IA M.S. in Statistics , Iowa State University, Ames, IA M.A. in Mathematics , The University of Texas, Austin, TX B.S. in Mathematics , The University of Texas, Austin, TX	2017 2014 2010 2006
PROFESSIONAL APPOINTMENTS	Assistant Professor Department of Statistics, Colorado State University, Fort Collins, CO Postdoctoral Associate Department of Statistical Science, Duke University, Durham, NC	August 2019 – Present August 2017 – July 2019
TEACHING EXPERIENCE	*Denotes new courses developed. Colorado State University STAT 630 Advanced Statistical Data Analysis (3 credit hours [cr]) STAA 577 Statistical Learning and Data Mining (2 cr) DSCI 445* Statistical Machine Learning (3 cr) STAT 400 Statistical Computing (3 cr) STAT 730 Advanced Theory of Statistics I (4 cr)	
		Semester (Enrollment; Honors Options) F23 (10) S23 (14), F23 (7) F20 (8; 1), F21 (32), F22 (28; 1) , F23 (27) F19 (15; 1), F20 (19), F21 (24), F22 (16) S20 (6)
OPEN COURSE MATERIALS	STAT400 Statistical Computing (https://stat400-csu.github.io) DSCI445 Statistical Machine Learning (https://dsci445-csu.github.io) STAT630 Advanced Statistical Data Analysis(https://stat630-csu.github.io)	
ADVISING	Doctoral Student Advising Hyungjoon Kim (Statistics, Co-advisor: Matt Koslovsky, 2023 –) Hannah Butler (Statistics, 2022 –) Lane Drew (Statistics, 2021 –) Ian Taylor (Statistics, Co-advisor: Bailey Fosdick, 2020 –) Doctoral Committee Member Wilson Wright, (Statistics, 2023 –) Justin Van Ee (Statistics, PhD 2023) Connor Gibbs (Statistics, PhD 2023) Alex Fout (Statistics, PhD 2022) Xinyi (Lucy) Lu, (Statistics, PhD 2021) Undergraduate Honors Thesis Committee Member Olivia Beck (Statistics, Fall 2019) Directed Undergraduate Research Caleb Chou (Data Science, Summer 2023) Ryan Volkert (Data Science, Spring 2021)	
SELECTED GRANTS & CONTRACTS	<i>EnviBayes Workshop on Complex Environmental Data</i> (NSF) PI: Kaplan (\$20,000). Sep. 2023. <i>Faculty and Staff Success Initiative</i> (CSU CNS) PI: Kaplan (\$5,000). Summer 2023. <i>Online Bayesian Learning for Streaming Entity Resolution</i> (DoD via NCSU Laboratory for Analytic Sciences). PI: Kaplan and Brenda Betancourt (\$319,161; CSU: \$188,298). Jan. 2020 – Aug. 2022.	

SELECTED SERVICE AND LEADERSHIP	Colorado State University Data Science Research Institute Steering Committee	2020 – Present
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College of Natural Science, Colorado State University Data Science Committee to Explore Graduate Programs	2022
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Department of Statistics, Colorado State University Graduate Admissions Committee	2020-2021, 2022 – Present
Diversity, Equity and Inclusion Committee	2023 – Present
Undergraduate Committee	2022 – 2023
Co-organizer Statistical Learning and Data Science Journal Club	2020

EnviBayes Workshop on Complex Environmental Data Chair of Organizing Committee	2023
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PUBLICATIONS **Selected Peer-reviewed Publications** (*Denotes mentored student)

1. Lu, X.*, Hooten, M. B., **Kaplan, A.**, Womble, J. N., and Bower, M. R. (2022). Improving wildlife population inference using aerial imagery and entity resolution. *Journal of Agricultural, Biological and Environmental Statistics*, 27(2), 364-381.
2. Marchant, N. G.*, **Kaplan, A.**, Elazar, D. N., Rubinstein, B. I., and Steorts, R. C. (2021). d-blink: Distributed end-to-end Bayesian entity resolution. *Journal of Computational and Graphical Statistics*, 30(2), 406-421.
3. Hare, E. and **Kaplan, A.**, 2017. Designing modular software: a case study in introductory statistics. *Journal of Computational and Graphical Statistics*, 26(3), pp.493-500.
4. Genschel, U., **Kaplan, A.**, Carriquiry, A., Johnston, E., Kliemann, W., Koehler, K., Mouzon, I. and Nguyen, H., 2014. Statistical and Mathematical Self-Efficacy of Incoming Students at a Large Public University. *Sustainability in Statistics Education, Proceedings of the Ninth International Conference on Teaching Statistics (ICOTS9)*, Flagstaff, Arizona, USA.

Selected Manuscripts Submitted and Under Revision (*Denotes mentored student)

1. Taylor, I.*, **Kaplan, A.**, and Betancourt, B. Fast Bayesian Record Linkage for Streaming Data Contexts. Revision submitted to *Journal of Computational and Graphical Statistics*.
2. Biswas, E.*, **Kaplan, A.**, and Nordman, D. A formal goodness-of-fit test for spatial binary Markov random field models. Submitted to *Biometrics*.
3. Taylor I.*, **Kaplan, A.**, and Betancourt, B. Generative Filtering for Recursive Bayesian Inference with Streaming Data. Submitted to *Journal of the American Statistical Association*.

Selected Manuscripts in Preparation (*Denotes mentored student or postdoc)

1. Lu, X.*, **Kaplan, A.**, Kanno, Y., Valentine, G., Rash, J., and Hooten, M. B. Stochastic Spatial Stream Networks.
2. Drew, L.*, **Kaplan, A.**, and Breckheimer, I. An Entity Resolution Approach to Tree Demography with Lidar Data.
3. Butler, H.*, **Kaplan, A.** Leveraging Bayesian Entity Resolution to Illuminate the Lives of Freedom Seekers in 19th Century America.
4. Chou, C.*, **Kaplan, A.** The Fast and the Furious: Tracking the Effect of the Tomoa Skip on Speed Climbing.