

Josh Hewitt

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Education

since 2013	Ph.D. candidate	Statistics, Colorado State University
2009	M.S.E.	Applied Mathematics & Statistics, The Johns Hopkins University
2009	B.S. with general honors	Applied Mathematics & Statistics, The Johns Hopkins University

Experience

2009–2013	Statistician, Booz Allen Hamilton
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Honors

2018	Sustainability Leadership Fellow at CSU School of Global Environmental Sustainability (through 2019)
2017	Student paper award from the American Statistical Association Section on Statistics and the Environment. Best Poster in Departmental Graduate Student Research Showcase at Colorado State University. Department Award for Education and Service at Colorado State University.
2014	Summer fellow with the Center for Interdisciplinary Mathematics and Statistics at Colorado State University.
2013	University graduate fellowship, Colorado State University.

Publications

2018	1. Hewitt, J., Hoeting, J. A., Done, J. M., and Towler, E. (2018). Remote effects spatial process models for modeling teleconnections. (<i>Submitted</i>).
	2. Schmeer, S. R., Kampf, S. K., MacDonald, L. H., Hewitt, J., and Wilson, C. (2018). Empirical models of annual post-fire erosion on mulched and unmulched hillslopes. <i>Catena</i> , 163 , 276–287.
2009	3. Vidal, C., Hewitt, J., Davis, S., Younes, L., Jain, S., and Jedynek, B. (2009). Template registration with missing parts: Application to the segmentation of M. tuberculosis infected lungs. In <i>Biomedical Imaging: From Nano to Macro, 2009. ISBI'09. IEEE International Symposium</i> on (pp. 718-721). IEEE.

Workshops

2015	1. Hewitt, J., Scharf, H., and Fix, M. (2015). Tutorial on Parallel Programming in R. American Statistical Association Conference on Statistical Practice, New Orleans, LA.
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Presentations

- 2017 1. Hewitt, J. (2017). A geostatistical approach to modeling climate teleconnections. American Statistical Association Joint Statistical Meetings, Baltimore, MD.
- 2. Hewitt, J. (2017). A geostatistical approach to modeling climate teleconnections. University of Chicago, Chicago, IL.
- 2016 3. Hewitt, J. (2016). An example-based introduction to Bayesian statistics. Colorado State University Department of Statistics Student Organized Seminars, Fort Collins, CO.
- 4. Hewitt, J. (2016). A geostatistical approach to modeling teleconnections. National Center for Atmospheric Research (NCAR) Institute for Mathematics Applied to Geosciences (IMAGE) brown bag seminar, Boulder, CO.
- 2015 5. Hewitt, J. (2015). Installing and using R on CSU's Cray supercomputer. Colorado State University Department of Statistics Student Organized Seminars, Fort Collins, CO.
- 2014 6. Hewitt, J., Scharf, H., and Fix, M. (2014). Tutorial on Parallel Programming in R. Colorado State University Department of Statistics Student Organized Seminars, Fort Collins, CO.

Posters

- 2018 1. Hewitt, J. H., Fix, M. J., Hoeting, J. A., and Cooley, D. S. (2018). Improved return level estimation via a weighted likelihood latent spatial extremes model. Institute for Mathematics and its Applications Workshop on Frontiers in Forecasting, Minneapolis, MN.
- 2017 2. Hewitt, J. H., Hoeting, J. A., Done, J. M., and Towler, E. (2017). Remote effects spatial process models for modeling teleconnections. In *Challenges in the Statistical Modeling of Stochastic Processes for the Natural Sciences*, Banff, AB.
- 3. Hewitt, J. H., Hoeting, J. A., Done, J. M., and Towler, E. (2017). A geostatistical model for teleconnections. Poster session for admitted CSU statistics graduate students, Fort Collins, CO.
- 2016 4. Hewitt, J., Hoeting, J. A., Done, J., and Towler, E. (2016). A spatial-statistical approach to modeling teleconnections. The 13th International Meeting on Statistical Climatology, Canmore, AB.
- 5. Hewitt, J., Hoeting, J. A., and Done, J. (2016). Modeling climate teleconnections. ENVR/EnviBayes Workshop on Bayesian Environmetrics, Columbus, OH.
- 2015 6. Hewitt, J., Wang, H., Leisz, S., and Fisher, C. (2015). Morphological and statistical detection of archaeological features in LIDAR imagery. Poster session for admitted CSU statistics graduate students, Fort Collins, CO.

Teaching

Courses taught at Colorado State University

2017	Statistics for Behavioral Sciences II (STAT 312) Instructor; Spring/Fall 2017
2015–2016	Introduction to Biostatistics (STAT 307) Instructor; Spring 2015/2016
2014	Introduction to Statistics (STAT 301) Instructor; Fall 2014
2013–2014	Introduction to Statistics (STAT 201) Teaching assistant; Fall 2013, Spring 2014

Travel grants

2016–2017	STATMOS travel grants Funding from the NSF-supported Research Network for Statistical Methods for Atmospheric & Oceanic Sciences (STATMOS) to present research at related workshops and conferences.
2016	Rossbypalooza Funding from the University of Chicago to attend a graduate student climate and statistics workshop.

Service

2017–2018	Stat Alliance at Colorado State University Co-Founder of American Statistical Association Student chapter at Colorado State University. STATMOS liaison at Colorado State University Liaison to CSU graduate students involved in the NSF-supported STATMOS research network.
2016–2017	Graduate teaching assistant mentor Mentor to junior graduate student instructors at Colorado State University.
2015–2016	Student-organized activities and research seminars coordinator Co-coordinator of student-organized seminar series at Colorado State University.