Ethan Anderes | Curriculum Vitae

Employment

Associate Professor Department of Statistics	University of California at 2014-	Davis present	
Assistant Professor Department of Statistics	University of California at 200	Davis 08-2014	
Visiting Assistant Professor Department of Statistics	University of California at B	erkeley 16–2008	
NSF Mathematical Sciences Postdoctoral Fellow Department of Statistics	University of California at B	erkeley 95–2008	
Research and Software Development Jet Propulsion Laboratory	Summ	NASA er 2007	
Education			
PhD in Statistics Adviser: Michael L. Stein	University of C	hicago 2005	
Bachelor of Arts Ouble major in Mathematics and Philosophy	University of Min	nesota 2000	
Research			
10 Selected Publications and Preprints.			
Isotropic covariance functions on graphs and their edges Anderes, Møller and Rasmussen, http://arxiv.org/abs/1710.01295 2017			
	1710. 01295	2017	
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization	1		
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization Millea, Anderes and Wandelt, http://arxiv.org/abs/176	1 08. 06753	2017 2017	
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization Millea, Anderes and Wandelt, http://arxiv.org/abs/176 Approximate Likelihood Approaches for Detecting the Infl	1 08. 06753		
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization Millea, Anderes and Wandelt, http://arxiv.org/abs/176	n 08. 06753 uence of Primordial		
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization Millea, Anderes and Wandelt, http://arxiv.org/abs/176 Approximate Likelihood Approaches for Detecting the Infl Gravitational Waves in CMB Polarization	n 08. 06753 uence of Primordial 0102 ntionarity	2017	
Anderes, Møller and Rasmussen, http://arxiv.org/abs/ Bayesian delensing of CMB temperature and polarization Millea, Anderes and Wandelt, http://arxiv.org/abs/170 Approximate Likelihood Approaches for Detecting the Infl Gravitational Waves in CMB Polarization Pan, Anderes and Knox, http://arxiv.org/abs/1709.00 A generalized quadratic estimate for random field nonsta	n 198. 06753 uence of Primordial 19102 ntionarity 196 discrete data	2017 2017	

0	Decomposing CMB lensing power with simulation Anderes, Physical Review D 88, 083517	2013			
0	On the consistent separation of scale and variance for Gaussian random fields Anderes, The Annals of Statistics 38, 870-893	2010			
0	Consistent estimates of deformed isotropic Gaussian random fields on the plane Anderes and Chatterjee, The Annals of Statistics 37, 2324-2350	2009			
0	Estimating deformations of isotropic Gaussian random fields on the plane Anderes and Stein, The Annals of Statistics 36, 719-741	2008			
0	Other Publications and Preprints.				
0	Tuning Goodness-of-Fit Tests Arrasmith, Follin, Anderes and Knox, http://arxiv.org/abs/1705.03565	2017			
0	A general spline representation for nonparametric and semiparametric density estimates using diffeomorphisms Anderes and Coram, http://arxiv.org/abs/1205.5314	2012			
0	Shrinking the quadratic estimator of weak lensing Anderes and Paul, Physical Review D 85, 103003	2012			
0	Nonstationary positive definite tapering on the plane Anderes, Huser, Nychka and Coram, JCGS 22, 4, 848-865	2012			
0	Robust Adaptive Wiener Filtering Anderes, IEEE International conference on image processing	2012			
0	The matter spectral density from lensed CMB observations Anderes and van Engelen, Statistical Challenges in Modern Astronomy V, Springer-Verlag, NY	2012			
0	Kriging Anderes, Encyclopedia of Environmetrics ed2, Wiley	2012			
0	Mapping gravitational lensing of the CMB using local likelihoods Anderes, Knox, and van Engelen , Physical Review D 83, 043523	2011			
0	Two dimensional density estimation using smooth invertible transformations Anderes and Coram, Journal of Statistical Planning and Inference, 141: 1183–1193	2011			
0	Local likelihood estimation for nonstationary random fields Anderes and Stein, Journal of Multivariate Analysis 102, 506-520	2011			
0	Estimating Cloud Height from Multi-Angle Satellite Imagery Anderes, et al, The Annals of Applied Statistics 3, 902-921	2009			

Grants and Awards

Chancellor's Fellowship Award, University of California at Davis Official distinction for 5 years along with a \$25,000 prize	2015-2020		
NSF CAREER grant DMS-1252795 Title: Deformations in statistics, cosmology and image analysis	2013-present		
NSF grant DMS-1007480 Title: Local Likelihood Estimation for Nonstationary Random Fields	2009-2014		
NSF Mathematical Sciences Postdoctoral Fellowship University of California at Berkeley	2005-2008		
Professional Activities			
Treasurer Nonparametric Section of the American Statistical Association	2015		
NSF panel reviewer Division of Mathematical Sciences	2015		
Co-organizer: UC Davis Statistical Sciences Symposium Spatial—Temporal Statistics: Methods and Applications	2014		
Associate Editor The American Statistician	2013–2014		
President Sacramento branch of the ASA	2011		
Vice President Sacramento branch of the ASA	2010		
Co-organizer: UC Davis Statistical Sciences Symposium Statistical Methods for Astronomy and Astrophysics	2014		
Member Universe at UCDavis Initiative	2008–present		
-			

Technical skills

• Programming Languages: Advanced: Julia, LaTeX. Basic: Python, OpenCl, Matlab.