Lei Huang

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Research Interests	functional data analysis, spatiotemporal modeling, independent Bayesian modelling, computing, brain imaging, causal inference	component analysis,	
Education	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD		
	 Ph.D. student, Biostatistics, <i>Expected:</i> Summer 2016 Thesis Topic: <i>Not decided</i> Advisors: Ciprian Crainiceanu 		
	Columbia University, New York, NY		
	M.A., Statistics, Dec 2009		
	Shanghai Jiao Tong University, Shanghai, China		
	 B.S., Mathematics, June 2008 Thesis Topic: Option Pricing and its confidence interval Advisors: Guilan Wang 		
	The University of Hong Kong, Hong Kong		
	Exchange Program, Mathematics and Statistics, Fall 2006		
Research Experience	Research Assistant Biostatistics Department, Johns Hopkins Bloomberg School of Public Heath Supervisor: Ciprian Crainiceanu, Ph.D and Martin A. Lindqu Research Assistant Biostatistics Department, Johns Hopkins Bloomberg School of Public Heath Supervisor: Ciprian Crainiceanu, Ph.D and Philip T. Reiss, P Research Assistant Division of Biostatistics, Department of Child and Adolescent Psychiatry, New York University School of Medicin Supervisors: Eva Petkova, Ph.D and Philip T. Reiss, Ph.D	Sept 2012 to present ist, Ph.D ept 2011 to Aug 2012 h.D Jan 2010 to Aug 2011	
Refereed Journal Publications	 Reiss, P. T., Huang, L., and Mennes, M. (2010). "Fast function-on-scalar regression with penalized basis expansions." <i>International Journal of Biostatistics</i>, 6(1), article-28. Crainiceanu, C., Reiss, P., Goldsmith, J., Huang, L., Huo, L. and Scheipl, F. (2011). "refund: Regression with functional data." <i>R package</i> version 0.1-7. 		
	 Reiss, P. T., Huang, L., Cavanaugh, J. E. and Roy, A. K. (2012). "Resampling- Based Information Criteria for Best-Subset Regression." Annals of the Institute of Statistical Mathematics, 64(6): 1161-1186. 		

	 Reiss, P. T., Mennes, M., Petkova, E., Huang, L., Hoptman B. B., and Milham, M. P. (2011). "Extracting information connectivity maps via function-on-scalar regression." <i>NeuroIn</i> 148. 	n, M. J., Biswal, n from functional nage, 56(1): 140-	
	 Reiss, P. T., and Huang, L. (2012). "Smoothness Selection for P Regression Splines." International Journal of Biostatistics. 8(1) 	enalized Quantile	
	 Reiss, P. T., Huang, L., Chen, Y. H., Huo, L., Tarpey, T., (2012). "Massively parallel nonparametric regression, with a developmental brain mapping." <i>Journal of Computational and G</i> (just-accepted). 	and Mennes, M. an application to raphical Statistics,	
	 Goldsmith, J., Huang, L., and Crainiceanu, C. M. (2012). "S Image Regression via Spatial Bayesian Variable Selection." <i>Journand Graphical Statistics</i>, (just-accepted). 	mooth Scalar-on- nal of Computational	
	 Reiss, P. T., Schwartzman, A., Lu, F., Huang, L., and Proal, E. results of adaptive false discovery rate procedures in neuroimaging 63(4): 1833-1840. 	(2012). "Paradoxical g studies.", <i>NeuroImage</i> ,	
	 Abikoff, H., Gallagher, R., Wells, K. C., Murray, D. W., Huang Petkova, E. (2012). "Remediating Organizational Functioning ADHD: Immediate and Long-Term Effects From a Randomized Journal of consulting and clinical psychology, 81(1): 113. 	g, L. , Lu, F., and in Children With Controlled Trial."	
	10. Petkova, E., Tarpey, T., Huang, L. , and Deng, L. (2013). "In regression: application to recent controversies in antidepressants' <i>in medicine</i> .	nterpreting meta- efficacy". <i>Statistics</i>	
Submitted Journal Publications	 Huang, L., Goldsmith, J., Reiss, P. T., Reich, D. and Crainiceanu, C. M. "Fast Scalar-on-Image Regression with Application to Association Between Intracranial DTI and Cognitive Outcomes", 2013. Submitted to <i>NeuroImage</i>. 		
	 Reiss, P. T., Huang, L., Chen, H., Colcombe, S. "Varying-Smoother Models for Functional Responses", 2013. Submitted to <i>Journal of the Royal Statistical</i> Society 		
AWADDS	Travel Awards		
Timiteb	Workshop on Neuroimaging Data Analysis,	June 2013	
	 Biometric Society (ENAR) Regional Meeting, Orlando, FL Joseph Zeger Travel Reimbursement Award 	March 2013	
	Student Awards — Johns Hopkins University, Biostatistics Departme • PhD Examination Award	nt Nov 2012	
	 Student Awards — Shanghai Jiao Tong University Li & Fung Scholoarship National Scholarship of Shanghai Jiao Tong University 	2006-2007 2004-2006	
Presentations	 Statistical Meetings Biometric Society (ENAR) Regional Meeting, Orlando, FL Joint Statistical Meetings, San Diego, CA Biometric Society (ENAR) Regional Meeting, Miami, FL 	Mar 2013 Aug 2012 Mar 2011	

Teaching	Teaching Assistant			
Experience	BIO 140.621 - Statistical Methods in Public Health I	1st term, 2012-2013		
	Instructor: Marie Diener West, Ph.D and Karen Bandeen Roche, Ph.D			
	Biostatistics Department,			
	Johns Hopkins Bloomberg School of Public Heath			
	Teaching Assistant			
	BIO 140.622 - Statistical Methods in Public Health II	2nd term, 2012-2013		
	Instructor: Marie Diener West, Ph.D and Karen Bandeen Roche, Ph.D			
	Biostatistics Department,			
	Johns Hopkins Bloomberg School of Public Heath			
	Teaching Assistant			
	BIO 140.623 - Statistical Methods in Public Health III	3rd term, 2012-2013		
	Instructor: Marie Diener West, Ph.D and John McGready, Ph.D			
	Biostatistics Department,			
	Johns Hopkins Bloomberg School of Public Heath			
	Teaching Assistant			
	BIO 140.624 - Statistical Methods in Public Health IV 4th term, 2012-2013			
	Instructor: James Tonascia, Ph.D and Mark Van Natta, MHS			
	Biostatistics Department,			
	Johns Hopkins Bloomberg School of Public Heath			
References	Ciprian Crainiceanu			
	Associate Professor	Phone: 410-955-3505		
	Department of Biostatistics,	E-mail: ccrainic@jhsph.edu		
	Johns Hopkins University			
	Philip T. Reiss			
	Assistant Professor	Phone: 212-263-3669		
	Division of Biostatistics E	-mail: phil.reiss@nyumc.org		
	New York University			
SKILLS	Computer Programming:			
STILLS	• R, C, Pascal, HTML, VC++ and Microsoft Excel, Acc	ess, Matlab, SAS, SPSS and		
	others	,,,,		
Other	Data Analyst:			
EXPERIENCES	Department of Child and Adolescent Psychiatry,	April 2009 — July 2011		
	School of Medicine, New York University			
	Internship:	G		
	• McKinsey & Company, Shanghai, China	Summer 2007		
	Maintain database for Human Resource department			