Beomseok Seo

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EDUCATION	**Penn State University**, State College, PA	2016 - Present
	Ph.D., Statistics, Advisor: Jia Li	
	- Focus Areas: Machine Learning and Data Mining Algorithms	
	Korea University, Seoul, Korea	2005 - 2011
	B.A., Economics	
	B.S., Statistics (GPA 4.23/4.50, Econ 4.22, Stat 4.46)	

WORK EXPERIENCE	**Penn State University**, State College, PA	2016 - Present
	Department of Statistics	
	Teaching Assistant for Regression analysis(STAT511), R programming(STAT485), Probability and Stochastic process(STAT418)	
	Department of Political Science	
	Research Assistant under Bumba Mukherjee for Survival analysis	
	The Bank of Korea (Central Bank of Korea), Seoul, Korea	2011 - 2016
	Economic Statistics Department (2013-2016)	
	Data Scientist, processing, modeling and automatizing big data such as Bureau of Customs data and Public Finance data using R, SQL	
	Financial Markets Department (2011-2013)	
	Junior Economist, researching and statistical modeling risk and behavior of short term interest markets such as Call, RP	
	Korea Army, Paju, Korea	2006-2008
	Compulsory military service	

RESEARCH EXPERIENCE	**Robust Clustering and Stability Analysis: An Optimal Transport Approach**, Beomseok Seo, Lynn Lin, Jia Li.	On going
	(Tentative) **Survival Analysis on Historic Conflict Data of The USA** Bumba Mukherjee, Minhyung Lee, Bomin Kim, Beomseok Seo.	On going

TRAINING AND FORUM	*Advanced Mathematics Program of The Bank of Korea Academy*	2012-2016
	5th National Statistics Development Forum, Seoul, Korea	2015
	Summer School, Barcelona Graduate School of Economics(GSE), Barcelona, Spain (1 week)	2014
	Singapore Regional Training Institute, IMF, Singapore (2 weeks)	2012

LANGUAGES	R, Python, SAS, SQL, C, C++, Linux

AWARDS	2016, *Graduate Study Fellowships* of The Bank of Korea
	2010, *Best Honors Scholarship* in Korea University
	2006-2010, *Honors Scholarship* in Korea University

2005, *Ansan City Honors Scholarship* from Ansan city in Korea

SELECTED
COURSEWORK

Penn State University
Data Mining I, II (STAT557, IST558)
Hierarchical Algorithm and Deep Learning (MATH597)
Probability Theory (STAT517)
Linear Models (STAT580)
Asymptotic Tools (STAT553)
Stochastic Processes and Monte Carlo Methods (STAT515)
Regression Analysis and Modeling (STAT511)
Spatial Models (STAT597)
Design and Analysis of Experiments (STAT512)

Korea University
Topics in Mathematical Statistics (STAT 412)
Multivariate Statistical Analysis (STAT401)
Computational Statistics (STAT321)
Time series Analysis (STAT302)
Regression Analysis (STAT342)
Sampling Theory (STAT311)
Econometrics I, II (ECON301, ECON242)
Financial Economics (ECON354)
Economics of Strategy and Information (ECON 324)