

MYEONGJONG KANG

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EDUCATION

Texas A&M University	<i>College Station, TX, USA</i>
<i>Ph.D. in Statistics</i>	August 2018 - Present

- Advised by Dr. Matthias Katzfuss.

Seoul National University	<i>Seoul, South Korea</i>
<i>M.Sc. in Statistics</i>	March 2015 - August 2017

- Advised by Dr. Byeong U. Park.
- Thesis: *Positive definite nonparametric regression with application to covariance function estimation*

Seoul National University	<i>Seoul, South Korea</i>
<i>B.Sc. in Statistics and Mathematical Sciences (Double Major)</i>	March 2008 - February 2013

- Graduated *Cum Laude*.

HONORS AND AWARDS

William S. Connor Award	2020
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- Presented by the faculty of the Department of Statistics at Texas A&M University.

Eminence Scholarship	March 2009 - March 2010
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- Granted by Seoul National University.

Samsung Scholarship	March 2008 - September 2012
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- Granted by Samsung SDS.

WORK AND RESEARCH EXPERIENCE

Statistical Research Institute, Seoul National University	<i>Seoul, South Korea</i>
<i>Research Associate</i>	September 2017 - December 2017

- Participated in the project entitled “Development of Crime Program and Platform based on Big Data,” funded by the Center for Research and Development of Police Science and Technology.
- Collaborated with the Korean National Police Agency under the supervision of Dr. Byeong U. Park and Dr. Chae Young Lim.

Capital Brigade Artillery Headquarter, ROK Army	<i>Siheung, South Korea</i>
<i>Sergeant</i>	April 2013 - January 2015

Nonparametric Inference Lab., Seoul National University	<i>Seoul, South Korea</i>
<i>Undergraduate Research Assistant Intern</i>	December 2010 - June 2011

- Advised by Dr. Byeong U. Park.

PUBLICATIONS

- [2] Kang, M., & Katzfuss, M. (2021). Correlation-based sparse inverse Cholesky factorization for fast Gaussian-process inference. arXiv preprint arXiv:2112.14591. (Under review)
- [1] M. Kang, I. Kang, M. Kim, S. Cho, K. Lee, & M. Lee. (2018). Research on developing a similarity measure among break-in burglary crimes and its applications. The Korean Association of Police Science Review, 20(6), 57-82. (Written in Korean)

TALKS

- [2] “Fast correlation-based sparse inverse Cholesky factorization for Gaussian processes,” 2021, contributed speed session, Joint Statistical Meetings (Virtual JSM 2021)
- [1] “Correlation-based sparse Cholesky factorization for nonisotropic Gaussian processes,” 2020, contributed poster presentation, Joint Statistical Meetings (Virtual JSM 2020)

TEACHING EXPERIENCE

STAT 303: Statistical Methods (Sole instructor) Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Spring 2021
STAT 303: Statistical Methods (Sole instructor) Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Fall 2020

TEACHING ASSISTANT EXPERIENCE

STAT 302: Statistical Methods Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Spring 2020
STAT 201: Elementary Statistical Inference Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Fall 2019
STAT 211: Principles of Statistics Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Spring 2019
STAT 211: Principles of Statistics Department of Statistics, Texas A&M University	<i>College Station, TX, USA</i> Fall 2018
Big Data Special Course Statistical Research Institute, Seoul National University	<i>Seoul, South Korea</i> February 2017
Regression Analysis and Lab. (326.313) Department of Statistics, Seoul National University	<i>Seoul, South Korea</i> Spring 2016
Big Data Special Course Statistical Research Institute, Seoul National University	<i>Seoul, South Korea</i> February 2016
Sampling Design and Survey Practice (326.214) Department of Statistics, Seoul National University	<i>Seoul, South Korea</i> Fall 2015
41th SAS Open Course Statistical Research Institute, Seoul National University	<i>Seoul, South Korea</i> August 2015

TECHNICAL STRENGTHS

Computer Languages	R, Python, C/C++, Fortran, L ^A T _E X
Software	SAS, MS office, Hancom office
Languages	Korean, English

REFERENCE TO CONTACT

Dr. Matthias Katzfuss

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- Website: <https://sites.google.com/view/katzfuss>

Dr. Byeong U. Park

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- E-mail: bupark2000@gmail.com
- Website: <http://stat.snu.ac.kr/theostat/>

Dr. Chae Young Lim

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- E-mail: limc@stats.snu.ac.kr
- Website: <https://stat.snu.ac.kr/spatstat/>