

Sang Kyu Lee

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EDUCATION	Michigan State University <i>Ph.D. in Statistics</i>	East Lansing, USA Sep. 2019 - Present
	Konkuk University <i>B.A. in Applied Statistics</i>	Seoul, Republic of Korea Mar. 2014 - Aug. 2016
	<ul style="list-style-type: none">• Thesis: Research and analysis for the consumption pattern of certain alcohol drink	
	<i>M.A. in Statistics</i>	Mar. 2017 - Feb. 2019
	<ul style="list-style-type: none">• Thesis: Ultimate sharpening of Jensen's inequality• Advisor: Professor Hyoungh-Moon Kim	
COMPUTER LANGUAGE PROFICIENCY	Proficient level : R, \LaTeX , Markdown Intermediate level : SPSS, SQL, Python Experience level : C/C++, SAS, STATA	
SOFTWARES	DiSSMod <i>R package on CRAN; Maintainer and author</i>	Shiny example link / CRAN link Tools to fit sample selection models in case of discrete response variables, through a parametric formulation which represents a natural extension of the well-known Heckman selection model
	EMSS <i>R package on CRAN; Maintainer and author</i>	CRAN link Some EM-type algorithms to estimate parameters for the well-known Heckman selection model
RESEARCH PAPERS	Lee, S. K. , Chang, J. and Kim, H. M. "Ultimate sharpening of Jensen's inequality", <i>in review</i> Yang, K., Lee, S. K. , Zhao, J. and Kim, H. M. "EMSS: New EM-type algorithms for the Heckman", <i>in review</i> Zhao, J., Lee, S. K. and Kim, H. M. (2019) "Some counterexamples of a skew-normal distribution ", <i>Communications for Statistical Applications and Methods</i> , 26, 6, 583-589, https://doi.org/10.29220/CSAM.2019.26.6.583	

EXPERIENCE	Teaching Assistant , Michigan State University	East Lansing, USA
	<i>Graduate teaching assistant</i>	Sep. 2019 - Present
	<ul style="list-style-type: none"> • Lab instructor for STT 200 class / A grader for various undergraduate classes 	
	Regular Statistics Assessment , Statistics Korea	Daejeon, Republic of Korea
	<i>Research Assistant</i>	Feb. 2019 - Nov. 2019
	<ul style="list-style-type: none"> • Government funded research assistant for assessing some Statistics 	
	Statistical Consulting Laboratory , Konkuk University	Seoul, Republic of Korea
	<i>Statistical consultant</i>	Mar. 2017 - Feb. 2019
	<ul style="list-style-type: none"> • Statistical consulting services for students from other departments. (Data handling to modelling) <ul style="list-style-type: none"> – Used methods: meta analysis, generalized linear model, linear regression, multivariate analysis, and elementary statistical methods • Statistical consulting services for companies. <ul style="list-style-type: none"> – Collaboration with an adjunct professor about statistical modelling with real estate data – Survey modelling and survey analysis for Cultural Heritage Administration 	
	Research Assistant , Konkuk University	Seoul, Republic of Korea
	<i>Graduate research assistant</i>	Sep. 2017 - Feb. 2019
	<ul style="list-style-type: none"> • Conducted researches in distribution theory(mainly skewed distributions), practical & fundamental statistical theories, statistical modellings, and made statistical softwares under the direction of Professor Hyoungh-Moon Kim. 	
	Teaching Assistant , Konkuk University	Seoul, Republic of Korea
	<i>Graduate teaching assistant</i>	Sep. 2017 - Feb. 2019
	<ul style="list-style-type: none"> • Teaching assistant for undergraduate and graduate courses 	
	KuStaR , Konkuk University	Seoul, Republic of Korea
	<i>Founder and member</i>	
	A club for data analysis using R	Aug. 2018 - Present
	Republic of Korea Army , 36th Division	Wonju, Republic of Korea
	<i>Discharged - Sergeant</i>	Jul. 2009 - May. 2011
	<ul style="list-style-type: none"> • Served as a horn player in the army band. 	
INVITED TALKS	Intermediate R programming - apply and Rcpp functions, Konkuk University	

REFERENCES

Hyoung-Moon Kim, *Professor*

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