



• Field Big Data medical statistics, Spatial statistics

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## Education background

2003 - 2008 Univ. of Wisconsin-Madison (Ph.D-Department of Mathematics)  
2003 - 2006 Univ. of Wisconsin-Madison (M.S-Department of Mathematics)  
1993 - 2000 Seoul National University (B.S-Department of Statistics)

## Major careers

2017 - present Assistant professor, Department of Statistics and Major in Data-technology Hallym Univ.

2014 - 2017 Pusan National Univ. Yangsan Hospital, Medical Statistics Office

2009 - 2014 Assistant professor, Department of Mathematical Sciences Univ. of Arkansas-Fayetteville

2009 - 2012 Guest Researcher National Cancer Center US

## Studies & Books

[Research Paper]

1. Factors associated with improvement or decline in cognitive function after an ischemic stroke in Korea: the Korean stroke cohort for functioning and rehabilitation (KOSCO) study, (BMC Neurology, 2017)
2. Covariate-adjusted quantile inference with competing risks, (Computational Statistics & Data Analysis, 2016)
3. Does bilateral seminal vesicle invasion at radical prostatectomy predict worse prognosis than unilateral invasion among patients with pT3b prostate cancers?, (International Journal of Urology, 2016)
4. Cancer incidence and mortality estimations in Busan by using spatial multi-level model, (Journal of the Korean Data & Information Science Society, 2016)
5. Cancer cluster detection using scan statistic, (Journal of the Korean Data & Information Science Society, 2016)
6. Spatio-temporal analysis of tuberculosis mortality estimations in Korea, (Journal of the Korean Data & Information Science Society, 2016)
7. Gender differences in risk factors and clinical outcomes in young patients with acute myocardial infarction, (Journal of Epidemiology and Community Health, 2016)
8. Hepatitis A in Korea from 2011 to 2013: Current Epidemiologic Status and Regional Distribution, (Journal of Korean Medical Science, 2016)
9. Using Gini coefficient to determining optimal cluster reporting sizes for spatial scan statistics, (International Journal of Health, \_\_\_)

## Others

[Academic activity]

Korea Statistical Society

Korea Data Infrastructure Research Society