

KYUSIK KIM

Curriculum Vitae

Department of Geography
The College of Social Sciences and Public Policy
Florida State University
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EDUCATION

Present Ph.D. Candidate, Geography, Florida State University, Tallahassee, FL, USA
2015 M.A. in Geography, Seoul National University, Seoul, Republic of Korea
2013 B.A. in Geography, Kongju National University, Gongju, Republic of Korea

PROFESIONAL EXPERIENCES & QUALIFICATIONS

Positions

2017 Assistant research fellow, Gyeonggi Research Institute (GRI), Northern Research Center, Suwon, Republic of Korea
2015-2017 Assistant research fellow, Korea Research Institute for Human Settlements (KRIHS), Housing & Land Research Division, Anyang, Republic of Korea

Honors and awards

2022 AAG TGSG Student Travel Award, American Association of Geographers, Transportation Geography Specialty Group
2022 KAGES Sim Student Travel Award, Korea-America Association for Geospatial and Environmental Sciences
2022 KAGES Student Paper Award, Korea-America Association for Geospatial and Environmental Sciences
2016 Best Researchers Award, Korea Research Institute for Human Settlements
2013 Seoul Research Paper Contest 3rd grade award, The Seoul Institute

Professional society memberships

American Association of Geographers
Transportation Research Board
Korea-America Association for Geospatial and Environmental Sciences
The Korean Urban Geographical Society

RESEARCH

Funded grants and contracts

- 2022 Congress of Graduate Students Attendance and Presentation Grants, FSU (\$200 for presentation at TRB 2022 conference)
- 2021 2021 Fellowship Award for TRB Transportation Planning Applications Conference (\$235 for attendance at the conference)
- 2019 Congress of Graduate Students Attendance and Presentation Grants, FSU (\$200 for presentation at AAG 2019 meeting)
- 2014 Academic scholarship from Seoul National University Foundation, SNU
- 2013 National Research Foundation of Korea Scholarship (Brain Korea 21)

Research project experiences

- 2022 Research assistant, Florida State University (Title: Rural Resiliency Hubs: An Integrated, Community-Centered Approach to Addressing the Resiliency Divide through Rural Public Libraries, P.I.: Dr. Marcia Mardis)
- 2020 Research assistant, Florida State University (Title: Assessment of Transportation Systems Resilience for Vulnerable Communities and Populations, P.I.: Dr. Yassir AbdelRazig)
- 2015 Cartographic analyst, Korea Institute of Child Care and Education, Republic of Korea (Title: Study for regional classification related to disparity of infrastructure in childcare facilities and kindergarten, P.I.: Dr. Yongchang Kim)
- 2013 Research assistant, Department of Geography, Seoul National University, Republic of Korea (Title: Study for spatial characteristics of Namdaemun Market, Korea)

Publications

Peer-reviewed journal articles

- 2022 **Kim, K.**, Ghorbanzadeh, M., Horner, M.W., & Ozguven, E.E. Assessment of disparities in spatial accessibility to vaccination sites in Florida. *Annals of GIS*, 1-15. <https://doi.org/10.1080/19475683.2022.2026474>
- 2021 Lee, Y., Park, S., **Kim, K.**, Ha, H., & Lee, J. (2021). Discovering Millennials' migration clusters in Seoul, South Korea: A local spatial network autocorrelation approach. *Findings*, 29523. <https://doi.org/10.32866/001c.29523>
- 2021 **Kim, K.**, Ghorbanzadeh, M., Horner, M.W., & Ozguven, E.E. (2021). Identifying areas of potential critical healthcare shortages: A case study of spatial accessibility to ICU beds during the COVID-19 pandemic in Florida. *Transport Policy*, 110, 478-486. <https://doi.org/10.1016/j.tranpol.2021.07.004> [2022 KAGES Student Paper Award]
- 2021 Ghorbanzadeh, M., **Kim, K.**, Ozguven, E. E., & Horner, M. W. (2021). Spatial accessibility Assessment of COVID-19 patients to healthcare facilities: a case study of Florida. *Travel Behaviour and Society*, 24, 95-101. <https://doi.org/10.1016/j.tbs.2021.03.004>
- 2021 **Kim, K.**, Jung, J., Schollaert, C., & Spector, J.T. (2021). A comparative assessment of cooling center preparedness across twenty-five U.S. cities. *Int. J. Environ. Res. Public Health*, 18, 4801. <https://doi.org/10.3390/ijerph18094801>

- 2021 **Kim, K.**, Kwon, K., & Horner, M.W. (2021). Examining the effects of the built environment on travel mode choice across different age groups in Seoul using a random forest method. *Transportation Research Record*. 03611981211000750.
<https://doi.org/10.1177/03611981211000750>
- 2021 **Kim, K.** & Horner, M. W. (2021). Examining the impacts of the Great Recession on the commuting and jobs-housing balance of private and public sector workers. *Journal of Transport Geography*, 90, 102933. <https://doi.org/10.1016/j.jtrangeo.2020.102933>
- 2020 **Kim, K.** & Kwon, K. (2020). The impacts of urban built environments on travel behavior of the elderly in Seoul metropolitan area. *Journal of the Korean Urban Geographical Society*, 23(2): 109-124. [In Korean] <https://doi.org/10.21189/JKUGS.23.2.8>
- 2020 Ghorbanzadeh, M., **Kim, K.**, Ozguven, E., & Horner, M.W. (2020). A comparative analysis of transportation-based accessibility to mental health services. *Transportation Research Part D: Transport and Environment*, 81, 102278.
<https://doi.org/10.1016/j.trd.2020.102278>
- 2018 Lee, H., **Kim, K.**, & Kwon, K. (2018). Capital and landed property contradiction in cluster evolution: The case of namsan-dong printing alley, Daegu. *Journal of the Korean Geographical Society*, 53(3), 347-369. [In Korean]
- 2016 **Kim, K.** (2016). A study on spatial equity of opportunities to use public childcare services focusing on national/public childcare centers in Seoul. *Seoul Studies*, 17(1), 45-64. [In Korean]
- 2014 Park, S., **Kim, K.**, & Kho, B. (2014). A study on the estimation of supply and demand for children's park. *Seoul Studies*, 15(3), 79-93. [In Korean]

Books and book chapters

- 2021 Ghorbanzadeh, M., **Kim, K.**, Ozguven, E. E., & Horner, M. W. (2021). 6: Access to shelters, 105-116; In Applications of Access, Network Design Lab, University of Sydney

Other publications

- 2017 Kim et al. (2017). Development strategy for Guri-si, Gyeonggi Research Institute, GRI Policy Research 2017-85.
- 2016 Byeon et al. (2016). An analysis of real estate market issues and policy implications (1): focusing on new housing supply and demand forecast. Korea Research Institute for Human Settlements. KRIHS 16-26.
- 2015 Park et al. (2015). Microdynamic analysis and policy simulation model on real estate market in Korea (III). Korea Research Institute for Human Settlements. KRIHS 15-32.

Conference presentations

Peer-reviewed abstracts/proceedings

- 2022 **Kim, K.** & Horner, M.W. *Designing a new metric for exploring associations between the jobs-housing balance and commuting distances*. The Transportation Research Board

- 101st Annual Meeting. 2022. Washington, D.C., USA. [Poster]
- 2021 **Kim, K.**, Ghorbanzadeh, M., Horner, M.W., & Ozguven, E.E. *Assessment of disparities in spatial accessibility to vaccination sites in Florida*. World Symposium on Transport and Land Use Research. 2021. Portland, Oregon, USA. [Virtual presentation]
- 2021 **Kim, K.** & Horner, M.W. *Examining the impacts of the Great Recession on the commuting and jobs-housing balance of public and private sector workers*. The Transportation Research Board 100th Annual Meeting. 2021. Washington, D.C., USA. [Virtual poster]
- 2021 **Kim, K.**, Kwon, K., & Horner, M.W. *The Role of the Built Environment on Travel Mode Choice across Different Age Groups in Seoul, Korea: A Random Forest Approach*. The Transportation Research Board 100th Annual Meeting. 2021. Washington, D.C., USA. [Virtual poster]
- 2021 Ghorbanzadeh, M., **Kim, K.**, Ozguven, E.E., & Horner, M.W. *Spatial Accessibility Assessment of COVID-19 Patients to Healthcare Facilities: A Case Study of Florida*. The Transportation Research Board 100th Annual Meeting. 2021. Washington, D.C., USA. [Virtual poster]
- 2019 Asare-Akuffo, F., Mikaelian, L., **Kim, K.**, Horner, M.W., Ozguven, E., & Ulak, M.B. *Differential accessibility to primary care physicians: analyzing the spatial structure of health opportunities*. The Transportation Research Board 98th Annual Meeting. 2019. Washington, D.C., USA. [Poster]
- 2016 Byeon, S., **Kim, K.**, & Choi, J. *Analysis on characteristics of housing transactions and fluctuations of housing sub-market in Chungcheong Region*. Conference of Korean Association for Housing Policy Studies. 2016. Daejeon, Korea. [Presentation in Korean]
- 2014 Park, S., **Kim, K.**, & Koh, B. *A study on the estimation of supply and demand for children's park*. Conference of The Korean Association of Regional Geographers. 2014. Chengju, Korea. [Presentation in Korean]

Non-peer reviewed abstracts/proceedings

- 2022 **Kim, K.** & Kwon, K. *Spatial accessibility to primary healthcare services under temporal variations of demand, supply, and traffic condition: The case study of Seoul, South Korea*. Annual Meeting of American Association of Geographers. 2022. New York City, NY, USA. [Virtual presentation]
- 2022 Md. Alam, S., **Kim, K.**, Horner, M.W., Ozguven, E.E., & Ghorbanzadeh, M. *Evaluating community vulnerability of rural areas based on social vulnerability and spatial access to critical facilities in counties of Florida Panhandle area*. Annual Meeting of American Association of Geographers. 2022. New York City, NY, USA. [Virtual poster]
- 2021 **Kim, K.**, Jung, J., & Schollaert, C. *A comparative assessment of cooling center service coverage and access disparities in vulnerable subpopulation groups across twenty-five US cities*. Annual Meeting of American Association of Geographers. 2021. Seattle, WA, USA. [Virtual presentation]

2019 **Kim, K.** & Kwon, K. *The impacts of urban environments on travel distance of elderly in the Seoul Metropolitan Region*. Annual Meeting of American Association of Geographers. 2019. Washington, D.C., USA. [Presentation]

TEACHING

Spring 2022 Guest lecturer, 2SFCA method lecture, Spatial Analysis and Modeling (SSCI583), University of Southern California, Mar 14, 2022

Fall 2021 Guest lecturer, Cartographic & visualization lecture, Geographic Information Systems (GEO4030/5101), Florida State University

Fall 2021 Lab instructor, Geographic Information Systems (GEO4030/5101), Florida State University

Spring 2020 Lab instructor, Geographic Information Systems (GEO4030/5101), Florida State University

Fall 2019 Lab instructor, Geographic Information Systems (GEO4030/5101), Florida State University

Summer 2019 Graduate Assistant in Teaching, World Geography (GEA1000), Florida State University (Grader)

Spring 2019 Graduate Assistant in Teaching, Physical Geography (GEO2200C), Florida State University (Grader)

Fall 2018 Graduate Assistant in Teaching, Essential of GIS (GIS2040), Florida State University (Grader)

PROFESSIONAL SERVICE

Academic community

Reviewer

Transportation (2021)

Journal of Transport Geography (2021)

Transportation Research Part D: Transport and Environment (2022 [2])

Urban Studies (2022)

Media coverage

2022 KAGES Student Award, *KAGES Newsletter*, 19(2), May 2022. [In Korean]

2021 COVID-19 and my academic life, *KAGES Newsletter*, 18(2), April 2021. [In Korean]

2020 FSU researchers find access to mental health facilities in Florida varies, *Florida State University News*, June 16, 2020.

SKILLS

Software

ArcMap, ArcGIS Pro, QGIS, TransCAD, Maptitude, Global Mapper

Programming language

Python, R, Julia

SOFTWARE DEVELOPMENT

spnaf: SPatial Network Autocorrelation for Flow data in R
(<https://github.com/YoungbinLee/spnaf>)

Last updated: May, 2022