

Jeong Min Jeon

Personal website: <https://jeongminjeon.webnode.kr>

Google Scholar: <https://scholar.google.com/citations?user=jTMemFoAAAAJ&hl=en>

Email: jm.jeon@snu.ac.kr

Education

B.S. in Mathematical Sciences and B.S. in Statistics *Mar. 2007 - Feb. 2012*
Seoul National University, South Korea

Exchange student program *Jul. 2011 - Nov. 2011*
University of Queensland, Australia

Ph.D. in Statistics *Mar. 2012 - Aug. 2018*
Seoul National University, South Korea
Supervisor: Byeong U. Park

Academic Positions

Postdoctoral fellow *Sep. 2018 - Aug. 2021*
KU Leuven, Belgium
Supervisor: Ingrid Van Keilegom

Postdoctoral fellow (Joint position) *Sep. 2021 - Aug. 2022*
KU Leuven and University of Namur, Belgium
Supervisor: Ingrid Van Keilegom and Germain Van Bever

Postdoctoral fellow *Sep. 2022 - Feb. 2024*
Seoul National University, South Korea

Assistant professor *Mar. 2024 - Feb. 2026*
Ewha Womans University, South Korea

Assistant professor *Mar. 2026 - Present*
Seoul National University, South Korea

Research Interests

Non-Euclidean data
Measurement error
Causal inference
Deep learning
Survival data

Publications

[^] = Co-first authors

^{*} = Corresponding author

1. Shin, C. W., Kim, G. A., Park, W. J., Park, K. Y., Jeon, J. M., Oh, H. J., Kim, M. J. and Lee, B. C. (2016). Learning, memory and exploratory similarities in genetically identical cloned dogs. [Journal of Veterinary Science](#), **17**, 563–567.

2. Jeon, J. M. and Park, B. U. (2020). Additive regression with Hilbertian responses. [Annals of Statistics](#), **48**, 2671–2697.

3. Jeon, J. M., Park, B. U. and Van Keilegom, I. (2021). Additive regression for predictors of various natures and possibly incomplete Hilbertian responses. [Electronic Journal of Statistics](#), **15**, 1473–1548.
4. Jeon, J. M., Park, B. U. and Van Keilegom, I. (2021). Additive regression for non-Euclidean responses and predictors. [Annals of Statistics](#), **49**, 2611–2641.
5. Jeon, J. M., Lee, Y. K., Mammen, E. and Park, B. U. (2022). Locally polynomial Hilbertian additive regression. [Bernoulli](#), **28**, 2034–2066.
6. Jeon, J. M., Park, B. U. and Van Keilegom, I. (2022). Nonparametric regression on Lie groups with measurement errors. [Annals of Statistics](#), **50**, 2973–3008.
7. Jeon, J. M.* and Van Keilegom, I. (2023). Density estimation for mixed Euclidean and non-Euclidean data in the presence of measurement error. [Journal of Multivariate Analysis](#), **193**, 105125.
8. Park, S., Jeon, J. M. and Lee, Y. K. (2023). Nonparametric compositional data analysis for tourism industry in Gangwon area. [Korean Journal of Applied Statistics](#), **36**, 473–488.
9. Cho, S. ^, Jeon, J. M. ^, Kim, D., Yu, K. and Park, B. U. (2024). Partially linear additive regression with a general Hilbertian response. [Journal of the American Statistical Association](#), **119**, 942–956.
10. Jeon, J. M.* and Van Keilegom, I. (2024). Density estimation and regression analysis on hyperspheres in the presence of measurement error. [Scandinavian Journal of Statistics](#), **51**, 513–556.
11. Jeon, J. M. (2025). Errors-in-variables regression for mixed Euclidean and non-Euclidean predictors. [Journal of Nonparametric Statistics](#), **37**, 282–318.
12. Jeon, J. M. (2025). Deconvolution density estimation on Lie groups without auxiliary data. [Journal of Multivariate Analysis](#), **209**, 105464.
13. Jeon, J. M.* and Van Bever, G. (2025). Additive regression for Riemannian functional responses. [Journal of Multivariate Analysis](#), **210**, 105466.
14. Im, C. J., Jeon, J. M.* and Park, B. U. (2025). Local Frechet regression with spherical predictors. [Electronic Journal of Statistics](#), **19**, 5313–5367.
15. Jeon, J. M.* and Van Bever, G. (2026). Multivariate Hilbertian additive regression with general estimated variables. [Bernoulli](#), **32**, 2071–2097.

Papers under Review or Revision

1. Kim, G. M., Jeon, J. M.* and Park, B. U. Hybrid deep additive neural networks.
2. Jeon, J. M. and Bandyopadhyay, D. Structured nonparametric regression for functional symmetric positive-definite matrices: Application to diffusion tensor imaging.
3. Morville, A., Jeon, J. M.* and Park, B. U. Semiparametric causal discovery with mixed variables.
4. Im, C. J. and Jeon, J. M.*. Local Frechet regression with toroidal predictors.
5. Lee, D., Jeon, J. M. and Yoo, J. K. Semi-supervised principal fitted components for sufficient dimension reduction.

Organization of Conference Sessions

1. **International Conference on Econometrics and Statistics, Tokyo**
Recent advances in non-Euclidean data analysis

Aug. 2025

Conference Talks

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1. **European Meeting of Statisticians, Palermo** *Jul. 2019*
Additive regression with mixed predictors and incomplete Hilbertian responses
 2. **CMStatistics, London** *Dec. 2019*
Additive regression with metric-spaced-valued predictors and Hilbertian responses
 3. **World Congress in Probability and Statistics, Seoul** *Jul. 2021*
Deconvolution estimation on hyperspheres
Organized contributed talk
 4. **International Symposium on Nonparametric Statistics, Paphos** *Jun. 2022*
Nonparametric regression on Lie groups with measurement errors
Invited talk
 5. **IMS Annual Meeting in Probability and Statistics, London** *Jun. 2022*
Nonparametric regression on Lie groups with measurement errors
Topic contributed talk
 6. **Korean Statistical Society Winter Meeting, Jeju** *Dec. 2022*
Analysis of Non-Euclidean Data: Introduction and Recent Developments
Plenary talk
 7. **International Conference on Econometrics and Statistics, Tokyo** *Aug. 2023*
Additive regression with general imperfect variables
 8. **CMStatistics, Berlin** *Dec. 2023*
Additive regression with general imperfect variables
Invited talk
 9. **IMS-APRM, Melbourne** *Jan. 2024*
Density estimation on Lie groups in the presence of measurement error without auxiliary data
Invited talk
 10. **Korean Statistical Society Summer Meeting, Seoul** *Jul. 2024*
Density estimation on Lie groups in the presence of measurement error without auxiliary data
Invited talk
 11. **IMS International Conference on Statistics and Data Science, Nice** *Dec. 2024*
Density estimation on Lie groups in the presence of measurement error without auxiliary data
Invited talk
 12. **International Conference on Econometrics and Statistics, Tokyo** *Aug. 2025*
Structured nonparametric regression for functional diffusion tensor imaging data

Seminar/Workshop Talks

1. **KU Leuven** *Nov. 2018*
Nonparametric additive regression with Hilbertian responses
2. **Toulouse School of Economics** *Dec. 2019*
Additive regression with some metric-space-valued predictors and Hilbertian responses
3. **University of Illinois Chicago** *Nov. 2020*
Additive regression for non-Euclidean data
4. **University of Namur** *Dec. 2021*

Deconvolution estimation on hyperspheres

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| 5. Seoul National University
Additive regression with general incomplete variables | <i>Oct. 2022</i> |
| 6. Korea Institute for Advanced Study
Statistical non-Euclidean data analysis: An introduction and some developments | <i>Feb. 2023</i> |
| 7. Sungkyunkwan University
Additive regression with general imperfect variables | <i>May. 2023</i> |
| 8. Ewha Womans University
Multivariate additive regression for general unobservable variables | <i>Jan. 2024</i> |
| 9. Chung-Ang University
Additive regression for Riemannian functional responses | <i>Jul. 2024</i> |
| 10. Virginia Commonwealth University
Partially linear additive regression with a general Hilbertian response | <i>Aug. 2024</i> |
| 11. Seoul National University
Structured nonparametric regression for functional DTI data | <i>Feb. 2025</i> |
| 12. Seoul National University
Additive regression with general estimated variables | <i>Apr. 2026</i> |

Referee Services

Annals of Statistics
Annals of the Institute of Statistical Mathematics
Biometrika
Communications for Statistical Applications and Methods
Computational Statistics
Computational Statistics and Data Analysis
Electronic Journal of Statistics
International Statistical Review
Japanese Journal of Statistics and Data Science
Journal of Nonparametric Statistics
Journal of the American Statistical Association
Journal of the Korean Statistical Society
Metrika
R Journal
Statistica
Statistica Sinica
Statistics and Computing
Statistics in Medicine
Stochastics
Test

Teaching

Statistics for Data Science (at EWU, Graduate course)
Regression Analysis (at EWU)
Numerical Methods for Data Science (at EWU)
Basic Mathematics for Data Science (at EWU)
Probability for Data Science (at EWU)
Understanding of AI and Data Science (at EWU, Team teaching)
Introduction to Data Science (at SNU)

Data Mining and Machine Learning (at SNU)

Supervision of Master's Students

Mitja Briscik 2021
Boundary estimation in deconvolution problems with unknown error variance
KU Leuven (Joint with Ingrid Van Keilegom)

Supervision of Ph.D. Students

Dong Hyun Lee 2024
Singular component analysis for multivariate functional data with general sparsity
Seoul National University (Joint with Byeong U. Park)

Kyu Min Kim 2024
Deep learning and differential privacy with additive structure
Seoul National University (Joint with Byeong U. Park)

Chang Jun Im 2024
Local Frechet regression with spherical predictors
Seoul National University (Joint with Byeong U. Park)

Ph.D. Dissertation Committees

High-dimensional regression for manifold data 2024
Seoul National University

Nonparametric causal additive models with smooth backfitting 2024
Seoul National University

Singular component analysis for multivariate functional data with general sparsity 2024
Seoul National University

Deep learning and differential privacy with additive structure 2024
Seoul National University

Local Frechet regression for spherical predictors 2024
Seoul National University

Sequential dimension reduction for non-Euclidean data and its strong consistency 2025
Seoul National University

Honors

Best Ph.D. Thesis Award Aug. 2018
Seoul National University

Outstanding Contribution in Reviewing Sep. 2018
Computational Statistics and Data Analysis

S-OIL Dissertation of the Year Award Feb. 2021
Grand prize in the field of Mathematics
Korean Academy of Science and Technology and Korean University Presidents Association

Grants

Post-Doc. Overseas Training (Sole PI) Sep. 2020 - Aug. 2021
National Research Foundation of Korea

Post-Doc. Domestic Training (Sole PI) Sep. 2022 - Aug. 2023
National Research Foundation of Korea

Sejong Science Fellowship (Sole PI) *Mar. 2023 - Feb. 2028*
National Research Foundation of Korea

Ewha Womans University Research Grant (Sole PI) *Mar. 2024 - Feb. 2026*
Ewha Womans University

G-LAMP *Sep. 2025 - Feb. 2026*
National Research Foundation of Korea

Seoul National University Research Grant (Sole PI) *Mar. 2026 - Feb. 2028*
Seoul National University

Selected Scholarships

Kwanjeong Scholarship *Mar. 2009 - Feb. 2011*
Kwanjeong Educational Foundation

Next Generation Scholarship for Basic Studies (Type I) *Mar. 2014 - Aug. 2015*
Seoul National University

Next Generation Scholarship for Basic Studies (Type II) *Mar. 2016 - Aug. 2018*
Seoul National University

Selected Industrial Projects

Begas *Apr. 2014 - Mar. 2016*
Eusu Ship Management *Dec. 2014 - Jan. 2015*
Posco ICT *Oct. 2015 - Nov. 2015*
Maeil Dairies *Aug. 2016 - Nov. 2016*
Shinhan Bank *Dec. 2016*
Korean Air *Jan. 2017 - Mar. 2017*
Korea Land and Housing Corporation *Feb. 2017*