

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

Seoul National University, South Korea

Mar. 2007 - Feb. 2012

Exchange student program

University of Queensland, Australia

Jul. 2011 - Nov. 2011

Ph.D. in Statistics

Seoul National University, South Korea

Supervisor: Byeong U. Park

Mar. 2012 - Aug. 2018

Academic Positions

Postdoctoral fellow

KU Leuven, Belgium

Supervisor: Ingrid Van Keilegom

Sep. 2018 - Aug. 2021

Postdoctoral fellow (Joint position)

KU Leuven and University of Namur, Belgium

Supervisor: Ingrid Van Keilegom and Germain Van Bever

Sep. 2021 - Aug. 2022

Postdoctoral fellow

Seoul National University, South Korea

Sep. 2022 - Feb. 2024

Assistant professor

Ewha Womans University, South Korea

Mar. 2024 - Feb. 2026

Assistant professor

Seoul National University, South Korea

Mar. 2026 - Present

Research Interests

Non-Euclidean data

Measurement error

Causal discovery

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.
16. Im, C. J. and Jeon, J. M.*. (2026). Local Frechet regression with toroidal predictors. To appear in [Scandinavian Journal of Statistics](#).

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. Lee, D., Jeon, J. M. and Yoo, J. K. Semi-supervised principal fitted components for sufficient dimension reduction.
5. Choi, C. ^, Jeon, J. M. ^ and Park, B. U. Discussion of “Deep Frechet regression”.

Organization of Conference Sessions

1. International Conference on Econometrics and Statistics (Tokyo)	<i>Aug. 2025</i>
Recent advances in non-Euclidean data analysis	

Conference Talks

- | | |
|--|------------------|
| 1. European Meeting of Statisticians (Palermo) | <i>Jul. 2019</i> |
| Additive regression with mixed predictors and incomplete Hilbertian responses | |
| 2. CMStatistics (London) | <i>Dec. 2019</i> |
| Additive regression with metric-spaced-valued predictors and Hilbertian responses | |
| 3. World Congress in Probability and Statistics (Seoul) | <i>Jul. 2021</i> |
| Deconvolution estimation on hyperspheres | |
| Organized contributed talk | |
| 4. International Symposium on Nonparametric Statistics (Paphos) | <i>Jun. 2022</i> |
| Nonparametric regression on Lie groups with measurement errors | |
| Invited talk | |
| 5. IMS Annual Meeting in Probability and Statistics (London) | <i>Jun. 2022</i> |
| Nonparametric regression on Lie groups with measurement errors | |
| Topic contributed talk | |
| 6. Korean Statistical Society Winter Meeting (Jeju) | <i>Dec. 2022</i> |
| Analysis of Non-Euclidean Data: Introduction and Recent Developments | |
| Plenary talk | |
| 7. International Conference on Econometrics and Statistics (Tokyo) | <i>Aug. 2023</i> |
| Additive regression with general imperfect variables | |
| 8. CMStatistics (Berlin) | <i>Dec. 2023</i> |
| Additive regression with general imperfect variables | |
| Invited talk | |
| 9. IMS-APRM (Melbourne) | <i>Jan. 2024</i> |
| Density estimation on Lie groups in the presence of measurement error without auxiliary data | |
| Invited talk | |
| 10. Korean Statistical Society Summer Meeting (Seoul) | <i>Jul. 2024</i> |
| 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) | <i>Dec. 2024</i> |
| Density estimation on Lie groups in the presence of measurement error without auxiliary data | |
| Invited talk | |
| 12. International Conference on Econometrics and Statistics (Tokyo) | <i>Aug. 2025</i> |
| Structured nonparametric regression for functional diffusion tensor imaging data | |
| 13. IMS-APRM (Hong Kong) | <i>Jun. 2026</i> |
| Hilbertian additive regression with general estimated variables | |
| Invited talk | |
| 14. JCSDS (Guiyang) | <i>Jul. 2026</i> |
| Hilbertian additive regression with general estimated variables | |
| Invited talk | |

Seminar/Workshop Talks

- | | |
|--|------------------|
| 1. KU Leuven
Nonparametric additive regression with Hilbertian responses | <i>Nov. 2018</i> |
| 2. Toulouse School of Economics
Additive regression with some metric-space-valued predictors and Hilbertian responses | <i>Dec. 2019</i> |
| 3. University of Illinois Chicago
Additive regression for non-Euclidean data | <i>Nov. 2020</i> |
| 4. University of Namur
Deconvolution estimation on hyperspheres | <i>Dec. 2021</i> |
| 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> |
| 13. UCLouvain
Local Frechet regression with spherical predictors | <i>May 2026</i> |
| 14. Seoul National University
Density estimation on Lie groups in the presence of measurement error without auxiliary data | <i>Jun. 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
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

(At Ewha Womans University)

Statistics for Data Science (Graduate course)
Regression Analysis
Numerical Methods for Data Science
Basic Mathematics for Data Science
Probability for Data Science
Understanding of AI and Data Science (Team teaching)

(At Seoul National University)

Introduction to Data Science
Data Mining and Machine Learning
Transdisciplinary Innovations and My Future 2: Experience in Integrative Data Science (Team teaching)

Supervision of Master's Students

Mitja Brscik	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 Seoul National University	2025
--	------

Honors

Best Ph.D. Thesis Award Seoul National University	Aug. 2018
Outstanding Contribution in Reviewing Computational Statistics and Data Analysis	Sep. 2018
S-OIL Dissertation of the Year Award Grand prize in the field of Mathematics Korean Academy of Science and Technology and Korean University Presidents Association	Feb. 2021

Grants

Post-Doc. Overseas Training (Sole PI) National Research Foundation of Korea	Sep. 2020 - Aug. 2021
Post-Doc. Domestic Training (Sole PI) National Research Foundation of Korea	Sep. 2022 - Aug. 2023
Sejong Science Fellowship (Sole PI) National Research Foundation of Korea	Mar. 2023 - Feb. 2028
Ewha Womans University Research Grant (Sole PI) Ewha Womans University	Mar. 2024 - Feb. 2026
G-LAMP National Research Foundation of Korea	Sep. 2025 - Feb. 2026
Seoul National University Research Grant (Sole PI) Seoul National University	Mar. 2026 - Feb. 2028

Selected Scholarships

Kwanjeong Scholarship Kwanjeong Educational Foundation	Mar. 2009 - Feb. 2011
Next Generation Scholarship for Basic Studies (Type I) Seoul National University	Mar. 2014 - Aug. 2015
Next Generation Scholarship for Basic Studies (Type II) Seoul National University	Mar. 2016 - Aug. 2018

Selected Industrial Projects

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

