

Jeong Min Jeon

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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. To appear in [Bernoulli](#).

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.

Organization of Conference Sessions

1. **International Conference on Econometrics and Statistics, Tokyo** *Aug. 2025*
Recent advances in non-Euclidean data analysis

Conference Talks

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
5. **Seoul National University** *Oct. 2022*

Additive regression with general incomplete variables

6. Korea Institute for Advanced Study

Feb. 2023

Statistical non-Euclidean data analysis: An introduction and some developments

7. Sungkyunkwan University

May. 2023

Additive regression with general imperfect variables

8. Ewha Womans University

Jan. 2024

Multivariate additive regression for general unobservable variables

9. Chung-Ang University

Jul. 2024

Additive regression for Riemannian functional responses

10. Virginia Commonwealth University

Aug. 2024

Partially linear additive regression with a general Hilbertian response

11. Seoul National University

Feb. 2025

Structured nonparametric regression for functional DTI data

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

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 Singular component analysis for multivariate functional data with general sparsity Seoul National University (Joint with Byeong U. Park)	2024
Kyu Min Kim Deep learning and differential privacy with additive structure Seoul National University (Joint with Byeong U. Park)	2024
Chang Jun Im Local Frechet regression with spherical predictors Seoul National University (Joint with Byeong U. Park)	2024

Ph.D. Dissertation Committees

High-dimensional regression for manifold data Seoul National University	2024
Nonparametric causal additive models with smooth backfitting Seoul National University	2024
Singular component analysis for multivariate functional data with general sparsity Seoul National University	2024
Deep learning and differential privacy with additive structure Seoul National University	2024
Local Frechet regression for spherical predictors Seoul National University	2024
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	Sep. 2025 - Feb. 2026

National Research Foundation of Korea

Selected Scholarships

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

Selected Industrial Projects

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