

CURRICULUM VITAE (Summary)

Yuichi Mori

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Education

PhD (1995)	Okayama University, Japan	(Statistics)
M.Ed.(1984)	Kobe University, Hyogo, Japan	(Mathematics Education)
B.S. (1982)	Osaka Kyoiku University, Osaka, Japan	(Mathematics Education)

Career

Apr. 2004 - Present	Okayama University of Science, Okayama, Japan Professor of Statistics / Data Science Vice-President (Apr. 2026 - Mar. 2028; Apr. 2018 - Mar. 2022) Special Assistant to the President (Apr. 2022 - Mar. 2026)
Apr. 1997 - Mar. 2004	Okayama University of Science, Okayama, Japan Associate Professor of Informatics and Statistics
Apr. 1994 - Mar. 1997	Kurashiki City College, Kurashiki, Japan Associate Professor of Information Processing and Mathematics
Apr. 1990 - Mar. 1994	Kurashiki City College, Kurashiki, Japan Lecturer of Information Processing and Mathematics
Apr. 1986 - Mar. 1990	Tennoji Junior High School Attached to Osaka Kyoiku University Mathematics Teacher
Apr. 1984 - Mar. 1986	Uozaki Junior High School, Kobe, Japan Mathematics Teacher

Statistical Research and Interests

Computational Statistics
Variable selection (in multivariate methods without external variables)
Acceleration of statistical computing
Nonlinear multivariate methods
Web-based statistical system
Statistics Education

Professional and Learned Societies (Selected)

International Statistical Institute (Elected member)
International Association for Statistical Computing

Asian Regional Section of the International Association for Statistical Computing

Japanese Society of Computational Statistics

Fellow of the Japanese Society of Computational Statistics (2020 - Present)

Japan Statistical Society

Japanese Society of Applied Statistics

Behaviormetric Society

Japanese Classification Society

Mathematics Education Society of Japan

Japanese Association for Social Research

Japanese Association for Promoting Quality Assurance in Statistics

Activities in Professional Societies (Selected)

International

- 2025 Member of the Organizing Committee, the 13th Conference of IASC-ARS (IASC-ARS2025).
- 2024 Member of the Scientific Programme Committee, IASC-ARS Interim Conference 2024.
- 2023 Member of the Scientific Programme Committee, the 12th Conference of IASC-ARS (IASC-ARS2023).
- 2023 Member of the Scientific Program Committee, the International Conference on Data Science (ICDS2023).
- 2022 Member of the Scientific Programme Committee, IASC-ARS Interim Conference 2022.
- 2022 Chair of the 11th Conference of IASC-ARS (IASC-ARS2022).
- 2020 Member of the Organizing Committee, 2022 International Conference on Partial Least Squares Structural Equation Modeling.
- 2019 Local organizing committee advisor, Data Science Statistics & Visualisation 2019 (DSSV2019).
- 2018 Member of the Program Committee, IASC-ARS 25th Anniversary Conference & CASC 2nd Annual Conference.
- 2017-2023 Officer of Asian Regional Section of International Association for Statistical Computing (Chairperson-elect 17-19, Chairperson 19-21, Past Chairperson 21-23).
- 2017 Member of Advisory Board and Track director, IFCS2017 (Conference of the International Federation of Classification Societies 2017)
- 2015 Member of the International Organizing Committee, IASC-ARS2015 (The 9th Conference of the Asian Regional Section of the IASC)
- 2014-2015 Co-chair of IASC ISI nomination committee, International Association for Statistical Computing
- 2014-2015 Member of Programme Committee, The 2nd International Symposium on Partial Least Squares Path Modeling
- 2006-2017 BoD ordinary member of Asian Regional Section of International Association for Statistical Computing
- 2003-2007 Councilor of the International Association for Statistical Computing

Japanese

- 2026 Chairperson, the 54th Annual Meeting of the Behaviormetric Society.
- 2024 Chairperson, the 38th Symposium of the Japanese Society of Computational Statistics.
- 2023-2026 Auditor of the Japanese Society of Computational Statistics
- 2021-2026 BoD ordinary member of the Japanese Society of Applied Statistics
- 2020-present Fellow of the Japanese Society of Computational Statistics
- 2017-2022, 2007-2012 Co-director of the international exchange section of the Japanese Society of Computational Statistic
- 2015-2025 Project committee member and Director of public relations of the Japanese Association for

- Promoting Quality Assurance in Statistics
- 2015-2017 Member of the executive committee of the Japan Statistical Society (Director of the public relations section)
- 2014-2026 BoD ordinary member of the Mathematics Education Society of Japan
- 2012-2017 Member of Annual Meeting Committee of the Behaviormetric Society (2012-2014: Director)
- 2006-2020 BoD ordinary member of the Behaviormetric Society
- 2006-2014 Member of the public relation section of the Behaviormetric Society (2006: Vice director, 2007-2011: Director)

Editor

International Journal

WIREs (Wiley Interdisciplinary Reviews) Computational Statistics, Willy

2018-2021, Commissioning Editor

Computational Statistics, Springer

2011-2015, Editor-in-Chief

2004-2011, Co-Editor

Japanese Journal

Bulletin of the Computational Statistics in Japan, Japanese Society of Computational Statistics

2001-2026, Associate Editor

Bulletin of Data Analysis of Japanese Classification Society, Japanese Classification Society

2011-2024, Associate Editor

Journal of the Japan Statistical Society, Japan Statistical Society

2004-2006, Associate Editor

Series Books

Springer Handbooks of Computational Statistics, Springer

2004-, Series Editor

Statistics One Point series, Kyoritsu Shuppan Co., Ltd., Tokyo

2016-, Associate Editor

Research Books / Papers (Selected)

Book

Nakagawa, S., Mori, Y., Kuroda, M., Yanagi, K., Yasuda, T., Ohkuma, K., Ono, M. (2024). *Data Literacy*. Gakujutsu Tosho Shuppan-sha Co.,Ltd, Tokyo. (in Japanese).

Mori, Y., Kuroda, M., Adachi, K.(2017). *Least Squares and Alternating Least Squares*, Statistics One Point series 3, Kyoritsu Shuppan, (in Japanese)

Mori, Y., Kuroda, M., Makino, N. (2017). *Nonlinear Principal Component Analysis and Its Applications*, JSS Research Series in Statistics, Springer. doi: 10.1007/978-981-10-0159-8

Gentle, J.E., Härdle, W., Mori, Y. (eds). (2012). *Handbook of Computational Statistics -Concepts and Methods-* (2nd ed.) Revised and updated, Springer. doi: 10.1007/978-3-642-21551-3.

Translated Book

Gorroochurn, P. (2025). *Classic Topics on the History of Modern Mathematical Statistics: From Laplace to More Recent Times*. Translated by T. Kamakura, Y. Tanaka, Y. Mori, H. Yadohisa. Kyoritsu Shuppan, Tokyo. ISBN: 9784320115781. (in Japanese).

Papers

Mori, M. (2024). Least square and alternative least squares In: Kuroda, M. (ed) Special Issue “Statistical computational algorithm”, *Operations Research*, 69(10), 521-527, The Operations Research Society of Japan. (in Japanese)

Kuroda, M., Mori, Y., Iizuka, M. (2023). Speeding up the convergence of the alternating least squares algorithm using vector ε acceleration and restarting for nonlinear principal component analysis, *Computational*

- Statistics*, 38, 243-262, Springer. doi: 10.1007/s00180-022-01225-4
- Kuroda, M., Mori, Y., Iizuka, M. (2020). Initial Value Selection for the Alternating Least Squares Algorithm. *Advanced Studies in Classification and Data Science* (Imaizumi, T. et.al. (Eds)), 227-239, Springer. doi: 10.1007/978-981-15-3311-2.
- Kuroda, M., Mori, Y., Iizuka, M. and Sakakihara, M. (2013). Alternating least squares in nonlinear principal components. *Wiley Interdisciplinary Reviews: Computational Statistics*, 2013, 5:456-464. doi: 10.1002/wics.1279.
- Härdle, W. K., Mori, Y. and Symanzik, J. (2012). Computational Statistics (Journal). *Wiley Interdisciplinary Reviews: Computational Statistics*, 334-339, Wiley. doi: 10.1002/wics.1206.
- Kuroda, M., Mori, Y., Iizuka, M. and Sakakihara, M. (2011). Acceleration of the alternating least squares algorithm for principal components analysis. *Computational Statistics and Data Analysis*, 55(1): 143-153, Elsevier Science. doi:10.1016/j.csda.2010.06.001.

Full papers / Invited papers in Proceedings of International conferences

- Kuroda, M., Mori, Y. (2024). Bayesian approach to mixture models with missing data, *Eastern Asia Chapter of International Society for Bayesian Analysis conference 2024 (EAC-ISBA Conference 2024)*.
- Akaki, T., Mori, Y., Kuroda, M., Iizuka, M. (2023). Acceleration and quantification with dimension reduction in fuzzy clustering. *Statistical Computing And Robust Inference For High Dimensional Data (SCR12023)*.
- Katayama, H., Nishiyama, C., Mori, M. (2022). Item selection for qualitative data. *The 11th Conference of the Asian Regional Section of the International Association for Statistical Computing (IASC-ARS2022)*.
- Yoshioka, T., Kuroda, M., Mori, Y. (2019). Reduced K-Means with nonlinear principal component analysis. *The 62nd International Statistical Institute 2019 World Statistics Congress (WSC2019)*.
- Yoshioka, M., Kuroda, M., Mori, Y. (2018). Computational efficiency for fuzzy clustering. *The 11th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2018)*.
- Kuroda, M., Mori, Y., Iizuka, M. (2017). Improvement of Computation for Nonlinear Multivariate Methods. *The 10th Conference of the IASC-ARS/68th Annual NZSA Conference*.
- Kuroda, M., Mori, Y., Iizuka, M. (2017). Initial value selection for the alternating least squares algorithm. *Conference of the International Federation of Classification Societies 2017*.
- Kuroda, M., Mori, Y., Iizuka, M. and Sakakihara, M. (2016). Acceleration of convergence of the alternating least squares algorithm for mixed measurement level multivariate data, *The 10th International Chinese Statistical Association International Conference*.
- Katayama, H., Asahara, H., Mizutani, N., Kuroda, M. and Mori, Y. (2016). Interactive Statistical Analysis for Item Response Theory using Shiny. *2016 International Conference for JSCS 30th Anniversary in Seattle*.
- Sakakihara, Kuroda, M., Mori, Y., M., Iizuka, M. (2016). Acceleration of iterative methods for Nonnegative Matrix Factorization. *COMPSTAT2016*.
- Mori, Y., Kuroda, M., Sakakihara, M., Iizuka, M. (2015). Acceleration of the alternating least squares algorithm for nonlinear multivariate analyses. *The 9th Conference of the Asian Regional Section of the IASC (IASC-ARS 2015)*.
- Sakakihara, M., Kuroda, M., Mori, Y., Iizuka, M. (2015). On acceleration methods for Alternating Least Squares algorithm. *Conferences of the International Federation of Classification Societies 2015*.
- Mori, M., Kuroda, M., Iizuka, M. and Sakakihara, Y. (2014). Performance of acceleration of ALS algorithm in nonlinear PCA. *COMPSTAT 2014*.
- Kuroda, M., Mori, Y., Iizuka, M. and Sakakihara, M. (2013). Accelerating and re-starting the alternating least squares algorithm for non-linear principal components analysis. *The 59th World Statistics Congress (ISI2013)*.
- Kuroda, M., Sakakihara, M., Mori, Y. and Iizuka, M. (2012). Two-stage acceleration for non-linear PCA. *COMPSTAT 2012*.