

Syeda Rabab Jafri, PhD

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Research Interests

Characterization and comparison problems in probability theory, structural equation modelling in management research, dynamic risk management of emerging economies, financial time series econometrics, and machine learning methods.

Professional Employment

- **Lahore School of Economics**, Lahore, Pakistan
Associate Professor 2021–Present
- **Lahore School of Economics**, Lahore, Pakistan
Assistant Professor 2011–2021

Education

- **PhD in Mathematics**, University of Nottingham, Nottinghamshire, UK
School of Mathematical Sciences 2005–2011
Thesis title: Operator inequalities and characterization with applications in probability theory
- **Post-Graduation (MSc) in Statistics**, University of the Punjab, Lahore, Pakistan
Department of Statistics 2002–2004
Courses: Probability distributions, Statistical inference, Econometrics, Computing languages, Advanced sampling techniques, Design and analysis of experiments, Time series analysis and forecasting, etc.
- **Graduation in General Sciences**, Government College for Women, Gulberg, Lahore, Pakistan 2000–2002
Majors: Statistics, Mathematics, Economics

Distinctions

- **Gold Medal**, Post Graduation in Statistics 2004
University of the Punjab, Lahore, Pakistan
- **Honors Student**, Post Graduation 2004
University of the Punjab, Lahore, Pakistan
- **1st Prize**, Graduation Academic Excellence 2002
Government College for Women, Gulberg, Lahore
- **Gold Medal**, Graduation in Economics 2002
Government College for Women, Gulberg, Lahore

- **Gold Medal**, 1st Position in College, Graduation 2002
Government College for Women, Gulberg, Lahore
- **Honors Student**, Graduation in General Sciences 2002
Government College for Women, Gulberg, Lahore

Publications

- Jillani, H., Chaudhry, M. N., Jafri, S. R., & Zahid, H. (2025). The impact of social media on knowledge, attitude and practices (KAP) towards sustainable consumption in higher education institutions. *Cleaner and Responsible Consumption*. <https://doi.org/10.1016/j.clrc.2025.100284>
- Iuga, I. C., & Jafri, S. R. (2025). Digitalization and future money supply dynamics. *Macroeconomics and Finance in Emerging Market Economies*, 1–22. <https://doi.org/10.1080/17520843.2025.2495436>
- Iuga, I. C., Mudakkar, S. R., & Dragolea, L. L. (2024). Agricultural commodities market reaction to COVID-19. *Research in International Business and Finance*, 69, 102287. <https://doi.org/10.1016/j.ribaf.2024.102287>
- Iuga, I. C., Mudakkar, S. R., & Dragolea, L. L. (2023). Time of COVID-19: Stability analysis of stocks, exchange rates, minerals and metals markets. *Economic Research–Ekonomika Istraživanja*, 36(1), 1527–1548. <https://doi.org/10.1080/1331677X.2022.2090403>
- Mudakkar, S. R., & Uppal, J. Y. (2023). Identifying winning strategies for MFIs by constructing structured mashup indices. *Global Business Review*. <https://doi.org/10.1177/09721509221134256>
- Uppal, J. Y., & Mudakkar, S. R. (2021). Modelling foreign exchange risk in a managed float regime: Evidence from Pakistan. *The Pakistan Development Review*, 60(1), 65–84. <https://ideas.repec.org/a/pid/journal/v60y2021i1p65-84.html>
- Uppal, J. Y., & Mudakkar, S. R. (2020). China Belt and Road Initiative and the rise of Yuan: Evidence from Pakistan. *The Lahore Journal of Economics*, 25(1), 1–26.
- Mudakkar, S. R., & Uppal, J. Y. (2018). Stability of cross-market bivariate return distributions during financial turbulence. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2017.07.170>
- Mudakkar, S. R. (2016). Construction of peculiar diffusion process having Gaussian marginals. *Communications in Statistics–Theory and Methods*. <https://doi.org/10.1080/03610926.2014.922984>
- Utev, S., & Mudakkar, S. R. (2014). Rademacher Inequalities with Applications. *Journal of Theoretical Probability*, 27(1), 301–314. <https://doi.org/10.1007/s10959-012-0442-3>

- Uppal, J. Y., & Mudakkar, S. R. (2014). Mitigating vulnerability to oil price risk—Applicability of risk models to Pakistan energy problem. *Pakistan Development Review*, 53(3), 293–308. <http://www.pide.org.pk/pdf/PDR/2014/Volume3/293-308.pdf>
- Uppal, J. Y., & Mudakkar, S. R. (2014). Challenges in the application of extreme value theory in emerging markets: A case study of Pakistan. In *Contemporary Studies in Economic and Financial Analysis*. <https://doi.org/10.1108/S1569-375920140000096018>
- Mudakkar, S. R., Zaman, K., Shakir, H., Arif, M., Naseem, I., & Naz, L. (2013). Determinants of energy consumption in SAARC countries: Balancing the odds. *Renewable and Sustainable Energy Reviews*, 27, 603–611. <https://doi.org/10.1016/j.rser.2013.08.006>
- Uppal, J. Y., & Mudakkar, S. R. (2013). Human development and economic uncertainties: exploring another dimension of development. *Lahore Journal of Economics*, 18, 305–334.
- Mudakkar, S. R., Zaman, K., Khan, M. M., & Ahmad, M. (2013). Energy for economic growth, industrialization, environment, and natural resources: Living with just enough. *Renewable and Sustainable Energy Reviews*, 26, 604–614. <https://doi.org/10.1016/j.rser.2013.05.024>
- Mudakkar, S. R., & Utev, S. (2013). On stochastic dominance of nilpotent operators. *Infinite Dimensional Analysis, Quantum Probability and Related Topics*, 16(1), 1350009. <https://doi.org/10.1142/S0219025713500094>
- Mudakkar, S. R., & Uppal, J. Y. (2012). Risk management in the financial services sector—Applicability and performance of VaR models in Pakistan. *Pakistan Development Review*, 51(4), 399–417. <http://www.pide.org.pk/pdf/PDR/2012/Volume4/399-417.pdf>
- Mudakkar, S. R. (2012). A necessary characteristic equation of diffusion processes having Gaussian marginals. *Abstract and Applied Analysis*. <https://doi.org/10.1155/2012/598590>

Selected Conference Talks

- “China’s Belt and the Road Initiative—Implications for Pakistan,” 15th International Conference on Management of the Pakistan Economy, Lahore School of Economics, Lahore, Pakistan March 27–28, 2019
- “Role of Case in Developing Economies—A Statistical Report,” Emerging Challenges for Organization in Developing Economies (ECODE-2018), Bahria University, Islamabad, Pakistan October 15–16, 2018
- “Does the Community Impact Child Learning Outcomes: A Multilevel Analysis of Rural Punjab,” First Annual Conference on Mathematical and Statistical Models in Economics,

Finance and Applied Sciences: Analysis and Methods, Lahore School of Economics,
Lahore, Pakistan February 6–7, 2015

- “Spillover Effects and Contagion in Financial Turbulence—Evidence from Global Financial Crisis,” 21st International Conference on Computational Statistics, Geneva, Switzerland August 19, 2014
- “On Stochastic Dominance of Nilpotent Operators,” 13th International Pure Mathematics Conference (13th IPMC 2012), Islamabad, Pakistan August 1–3, 2012
- “On Characterization and Stochastic Ordering of Shift Operator,” 23rd British Combinatorial Conference, University of Exeter, United Kingdom July 3–8, 2011
- “Comparison of Mixtures with Non-Mixtures Random Variables,” local seminar, Lahore School of Economics, Pakistan March 29, 2011
- “On Diffusion Processes with Gaussian Marginals,” local seminar, Lahore School of Economics, Pakistan January 25, 2011
- “Rademacher Inequalities for Random Matrices,” Winter Conference in Mathematics, Lahore University of Management Sciences, Pakistan December 30–31, 2010
- “Rademacher Inequality with Applications,” invited speaker at Orthogonal Polynomials in Probability Theory Workshop, Analysis and Probability Concentration Week, Texas A & M University, USA July 6–10, 2010

Professional Certifications

- **Government Finance Statistics**, offered by IMF, edX platform
- **Computational Social Sciences Specialization**, offered by University of Chicago, Coursera platform
- **Quantitative and Qualitative Research Methodologies**, offered by CERP, Lahore
- **Data Science Certification**, offered by LSE, Lahore
- **Introduction to Data Science and Machine Learning**, offered by DICE Analytics, Lahore
- **Introduction to Python**, offered by IBM Cognitive Skills

Memberships and Service

- **Approved PhD Supervisor**, Higher Education Commission of Pakistan 2019–Present
- **External Evaluator of M.Phil Thesis in Statistics**, Government College University and University of the Punjab, Lahore

Personal Information

- **Date of Birth:** 16 October, 1982
- **Gender:** Female
- **Previous Name:** Syeda Rabab Mudakkar
- **Nationality:** Pakistani

References

References available upon request.