Anum Fatima

STUDENT WORKING TOWARDS · D.PHIL IN STATISTICS
LECTURER IN STATISTICS AT LAHORE COLLEGE FOR WOMEN UNIVERSITY

Department of Statistics, University of Oxford,
Department of Statistics, Lahore College for Women University, Lahore

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Education

University of Oxford — *Oxford, United Kingdom*
DOCTOR OF PHILOSOPHY IN STATISTICS — *Date - present*
- Supervisor: Professor Dr. Gesine Reinert

Lahore College for Women University — *Lahore, Pakistan*
MS STATISTICS — *Date - September, 2013*
- Supervisor: Professor Dr. Ayesha Roohi

Lahore College for Women University — *Lahore, Pakistan*
BS STATISTICS — *Date - July, 2011*
- Mathematics, Economics
- Honors thesis/undergrad research supervisor: Professor Dr. Ayesha Roohi

Professional Experience

Hilary Term 2022-2023	**Graduate Teaching Assistant**, Department of Statistics, University of Oxford, Oxford, United Kingdom
Michaelmas Term 2022-2023	**Graduate Teaching Assistant**, Department of Statistics, University of Oxford, Oxford, United Kingdom
Michaelmas Term 2021-2022	**Graduate Teaching Assistant**, Department of Statistics, University of Oxford, Oxford, United Kingdom
2017-Present	**Lecturer**, (Currently on Study-leave) Department of Statistics, Lahore College for Women University, Lahore, Pakistan
2015-2017	**Lecturer**, Department of Statistics, Queen Mary College, Lahore, Pakistan
2014-2015	**Visiting Teaching Assistant**, Department of Statistics, Lahore College for Women University, Lahore, Pakistan

Publications

PUBLISHED

Fatima A., Reinert G. 2022. Stein's Method for Poisson-Exponential Distributions. arXiv:2212.09615. (Preprint)

Ramzan M., **Fatima A.** 2019. Determinant of satisfaction of youth on new government policies, a cross-sectional study at LCWU, GCU, PU and KC Lahore, 15th Islamic Countries Conference on Statistical Sciences Lahore, Pakistan – December 21-24, 34: 453-466. Pakistan: Islamic Countries Society of Statistical Sciences, Lahore, Pakistan.

Fatima A., Roohi A. 2016. Transmuted Exponentiated Pareto -I distribution. Pakistan Journal of Statistics, 32(1):63-80.

Fatima A., Roohi A. 2015. Extended Poisson Exponential distribution. Pakistan Journal of Statistics and Operation Research, XI(3): 361-375.

Fatima A., Roohi A. 2015. The Generalized Poisson-Exponential distribution. Journal of ISSOS, 1(2): 103-118.

Aziz, A., Roohi, A., **Fatima, A.** 2013. Distributional properties of Generalized Order Statistics for Exponentiated Pareto-I distribution. International Journal of Applied Research, 2: 62-75.

Fatima, A., Roohi, A. 2012. Distributional Properties of Generalized Order Statistics for Extended Exponential distribution. 9th International Conference on Statistical Sciences, 22: 147-158. Lahore, Pakistan: Islamic Countries Society of Statistical Sciences, Lahore, Pakistan.

Awards, Fellowships, & Grants

2020	**UK Commonwealth PhD Scholarship for Developing Countries**, Commonwealth Scholarship Commission, United Kingdom
2014	**1st Prize in Poster Competition in "Statistical research festival" on 150 years celebration of Government College University, Lahore**, Government College University, Lahore, Pakistan.
2013	**University Gold Medal for MS Statistics with CGPA: 3.95**, Lahore College for Women University, Lahore, Pakistan. **Academic Roll of Honor for MS Statistics**, Lahore College for Women University, Lahore, Pakistan.
2011	**University Gold Medal for BS Statistics with CGPA: 3.86**, Lahore College for Women University, Lahore, Pakistan. **Academic Roll of Honor for BS Statistics**, Lahore College for Women University, Lahore, Pakistan.
2012	**1st Prize in Poster Competition: "Statistical Data Analysis"**, Department of Statistics, Lahore College for Women University, Lahore, Pakistan.

Presentations

* presenting author; ⁺ mentored undergraduate

Invited Talks

Oct 06, 2022. *Guidance Session on Commonwealth Scholarships* . Online talk organized by Directorate of Faculty Development and Internationalization (DFDI), Lahore College for Women University, Lahore, Pakistan.

July 01, 2022. *Stein's method for Poisson-Exponential distributions*. Online short talk in *Stein's Method: the Golden Anniversary*, Singapore.

Dec 28, 2020. *Commonwealth Scholarships for least developed countries and fragile states*. Online talk organized by Directorate of Faculty Development and Internationalization (DFDI), Lahore College for Women University, Lahore, Pakistan.

Contributed Presentations

Fatima, A., Roohi, A., Tariq, A. 2015. The Truncated Beta-Pareto distribution. Oral presentation: First International Conference on Managing the Future: Recent Innovations in Economics, Business, Information Technology and Social Sciences – NCBA&E and AREOPA Conference, Lahore, Pakistan.

Fatima, A., Roohi, A. 2015. The Generalized Poisson-Exponential distribution. Oral presentation: First Annual Conference of Center for Mathematics and Statistical Sciences (CMSS) on Mathematical and Statistical Models in Economics, Finance and Applied Sciences: Analysis and Methods, Lahore School of Economics, Lahore, Pakistan.

Fatima, A., Roohi, A., Tariq, A. 2014. The Truncated Beta-Pareto distribution. Poster: Statistical Research Festival, Government College University, Lahore, Pakistan

Fatima, A., Roohi, A. 2012. Distributional Properties of Generalized Order Statistics for Extended Exponential distribution. Oral presentation: 9th International Conference on Statistical Sciences: Official Statistics and its Impact on Good Governance and Economy of Pakistan, National College of Business Administration & Economics (NCBA&E), Lahore, Pakistan.

Fatima, A., Roohi A. 2012. Distributional Properties of Generalized Order Statistics for Extended Exponential distribution. Poster: Statistical Data Analysis, Lahore College for Women University, Lahore, Pakistan

Mentoring

2019-2020	**Nimra Kareem**, Undergraduate, Lahore College for Women University
2018-2019	**Maham Ramzan**, Undergraduate, Lahore College for Women University

Outreach, Professional & Academic Development

SERVICE AND OUTREACH

2019	**Active Citizens Program**, Role: Facilitator, following the training "Active Citizens Program" for facilitators, organized by British Council at Lahore College for Women University.	*Lahore, Pakistan*

PROFESSIONAL DEVELOPMENT

Workshop: Networking for impact: connect, learn, share, CSC Connect and Collaborate Event, The Commonwealth Scholarship Commission in the UK; London, United Kingdom. February 25, 2022

Discussion Panel: Access, inclusion and opportunity panel, CSC Connect and Collaborate Event, The Commonwealth Scholarship Commission in the UK; London, United Kingdom. February 25, 2022

Workshop: Writing for Development, The Commonwealth Scholarship Commission in the UK; University of Oxford, United Kingdom. February 24, 2022

Training: Training session for Teaching Assistants, Mathematical Institute; University of Oxford. October 05, 2021

Workshop: Syllabus development and adaptation in higher education, Lahore College for Women University; Lahore, Pakistan. Nov 24-26, 2020

ACADEMIC DEVELOPMENT

Workshop: RSS applied probability and computational statistics workshop, Royal Statistical Society; London, United Kingdom. December 08, 2021

Online Course: Research data management plans: How to write one, CoSy-Oxford University. October 25, 2021

Training: APTS Online Week 4, Modules: Design of Experiments and Studies and Statistical Machine Learning, Academy for PhD Training in Statistics (APTS), United Kingdom. September 13-17, 2021

Training: APTS Online Week 3, Modules: Computer Intensive Statistics and High-dimensional Statistics, Academy for PhD Training in Statistics (APTS), United Kingdom. July 12-16, 2021

Workshop: Tidyverse for Data Science, Lahore College for Women University; Lahore, Pakistan. Nov 02-06, 2020

Workshop: Advance your analysis skills and graphing solution in scientific research with GraphPad PRISM, Lahore College for Women University; Lahore, Pakistan. Oct 19, 2020

Workshop: Data visualization & optimization of Generalized models through MATHEMATICA, Lahore College for Women University; Lahore, Pakistan. Feb 24-28, 2020

Workshop: Time Series Analysis and Forecasting, Lahore College for Women University; Lahore, Pakistan. 2013

PROFESSIONAL MEMBERSHIPS

Royal Statistical Society, United Kingdom