

Objective: Working and Serving

Qualification:



- **PhD Scholar**
- **M.Phil. Statistics**
 - Riphah International University Islamabad ○ Institute: Department of Basic Sciences
 - Research Topic: On Estimation of Frechet distribution using Bayesian Analysis ○ Supervisor: Prof. Dr. Muhammad Aslam
 - Specialization: Study of Mixture distributions using Bayesian Analysis
 - Subject Studied: Econometrics, Bayesian Statistics, Statistical Quality Control, Linear Models, Kernel Smoothing, Probability, Estimation
- **M.Sc. Statistics** ○ Department of Statistics, University of Sargodha ○ Research Project: Effect of internet on young generation
 - Supervisor: Prof. Dr. Muhammad Iqbal ○ Specialization: Sample Survey
 - Subject Studied: : Probability & Probability distribution, Regression Analysis and Econometrics, Statistical Inference, Sampling Techniques, Sampling Techniques & sample Survey, Time Series Analysis, Non-parametric methods, Population Studies, Multivariate Analysis. Statistical Quality Control
- **B.Sc.**
 - University of Sargodha
 - Major: Statistics, Mathematics, Economics
- **F.Sc.**
 - Pre-Engineering ○ BISE Sargodha
- **Matriculation** ○ Science ○ BISE Sargodha
- **Research Interest:**
 - Mixture Distribution Analysis under Bayesian Analysis.
 - Ridge Regression.
 - Sampling Survey.
 - Time Series Analysis.
 - Probability Distribution analysis under Bayesian Analysis.

Research Publication:

1. Nasir, Wajiha, and Muhammad Aslam. "Bayes approach to study shape parameter of Frechet distribution." International Journal of Basic and Applied Sciences 4.3 (2015): 246254.
2. Nasir W, Maria and M Aslam. "Bayes approach to study scale parameter of log logistic distribution." International Journal of Advanced Statistics and Probability, 3 (2) (2015) 185-190

3. Nasir W, Maria and M Aslam. "Bayesian analysis of Shape Parameter of Frechet distribution using Non-informative Prior." *Elixir Statistics* 88 (2015) 36362-36366
4. Nasir, W. (2017). On estimation of Frechet distribution with known shape using Bayesian analysis under informative priors. *International Journal of Scientific World*, 5(2), 141-144.
5. Rabia, M, Mubarak N, Tallat H, Nasir W. (2017). A study-on-study habits and academic performance of students. *International Journal of Asian Sciences*, 7(10), 891-897.
6. Riaz, F., Nasir, R., & Nasir, W. (2020). Impacts of education and income inequality on Economic growth in Pakistan. *Journal of Economics and Management Sciences*, Fall 2020, Vol 1, No.2, pp 32-43.
7. Nasir, R., Waheed, R., & Nasir, W. (2021). The Impact of Money Supply on Inflation In Pakistan. *Journal of Economics*, 2(1), 18-28.
8. Nosheen F, Nasir W. (2022). Forecasting of imports and exports in Pakistan: a comparison of some time series methodology. *Journal of Economics and Management Sciences*, 3(1), 93-102

Conference Paper

1. Nasir W, Zubair M, Ali Asad. On Bayesian Analysis of Mixture of Frechet Distribution under Type-I Censoring Scheme. 16th International Conference on Statistical Sciences, Peshawar, 5-8 March, ISOSS, Lahore, Pakistan
2. Asad A, Zubair M, Ali A, Nasir W, Iqbal M. Forecasting of Pakistan's Inflation Rate: A Comparison of Some Time Series Methodologies. 16th International Conference on Statistical Sciences, Peshawar, 5-8 March, ISOSS, Lahore, Pakistan
3. Zubair M, Ali A, Nasir W, Rasheed M. An Exponential Estimator in Presence of Non-Response. 16th International Conference on Statistical Sciences, Peshawar, 5-8 March, ISOSS, Lahore, Pakistan
4. Nasir W, Zubair M, On the Bayesian Estimation for two Component Mixture of Reflected Weibull Distribution, Assuming Type I Censored Data. 17th International Conference on Statistical Sciences, 21-23 January, ISOSS, Lahore, Pakistan
5. Hanif M, Nasir W, Shahzad M, Zubair M, On Bayesian Estimation of the Generalized Inverse Weibull Distribution using non-informative priors. 17th International Conference on Statistical Sciences, 21-23 January, ISOSS, Lahore, Pakistan
6. Shahzad M, Nasir W, Hanif M, , Zubair M, On Bayesian Estimation of the Generalized Inverse Weibull Distribution using informative priors. 17th International Conference on Statistical Sciences, 21-23 January, ISOSS, Lahore, Pakistan
7. Syed A, Nasir W, Kalsoom U, On Estimation of Reflected Weibull Distribution using Bayesian under Informative Prior. 15th Islamic Countries Conference on Statistical Sciences, Lahore, 24-24 December, ISOSS, Lahore, Pakistan
8. Bibi R, Nureen N, Mubarak N, Nasir W, Bayesian Analysis of Exponentiated Kumaraswamy Distribution using Informative and Non- Informative Priors. 15th Islamic Countries Conference on Statistical Sciences, Lahore, 24-24 December, ISOSS, Lahore, Pakistan
9. Kalsoom U, Nasir W, Syed A, On Estimation of Reflected Weibull Distribution using Bayesian under non-Informative Prior. 15th Islamic Countries Conference on Statistical Sciences, Lahore, 24-24 December, ISOSS, Lahore, Pakistan
10. Zulaikha, Wajiha Nasir and Muqadas , On Estimation of Kumaraswamy Exponentiated Inverse Rayleigh Distribution Using Bayesian Analysis Under Non-Informative Prior and

- Informative Prior, 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
11. Maryam Hina, Wajiha Nasir, Sadia Munawar and Zakia Kousar, Bayesian Analysis of Exponentiated Inverse Rayleigh Distribution by Using Non-Informative Priors, 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 12. Zakia Kousar, Wajiha Nasir, Sadia Munawar and Maryam Hina, Bayesian Analysis of Top-Leone Frechet Distribution by using Non-Informative Priors, 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 13. Maira Asghar, Wajiha Nasir, Qurat ul Ain and Zainab Waris, Regression Models for Forecasting Wheat Production in Pakistan, 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 14. Ayat Mahfooz and Wajiha Nasir, Comparison of Artificial Neural Network and Auto Regressive Integrated Moving Average Modeling, A Case Study of Forecasting of Rice Crop of Punjab, Pakistan. 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 15. Fareeha Nosheen, Wajiha Nasir and Zulaikha, Forecasting of Some Economic Variables of Pakistan: A Comparison of Some Time Series Methodologies. 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 16. Munazza Rafaqat and Mehwish Asgher: A Comparative Study of Diabetes Causes in Different Countries. 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 17. Zakia Kousar and Hafiza Mamona Nazir, Forecasting of Sugarcane Production in Punjab Pakistan using ARIMA Model. 20th Islamic Countries Conference on Statistical Sciences, Lahore, 9-11 March, ISOSS, Lahore, Pakistan
 - 18.

Teaching Experience:

- Worked as Teaching Assistant in Department of Statistics, University of Sargodha (2011-2014)
- Worked as Visiting Lecturer in Department of Statistics, University of Sargodha for one year. (2014-2015)
- Working as Lecturer in Govt College Women University Sialkot from 2017.

Subjects: Probability & Probability distribution, Non-Parametric, Estimation, Statistical Inference

Management Responsibilities:

- Assistant Examinations Controller, Department of Statistics, University of Sargodha (2011-2015)
- Coordinator of Gaussian Statistical Society.
- ALUMNI COMMITTEE (Member /Secretary),
- Board of Studies; (Member /Secretary),
- Anti-Narcotics Committee (Member), Focal Persons of Health Profiling

Computer Skills

- MS Office

- SPSS
- R
- SAS
- Mathematica
- Minitab
- Latex
- Python

BS Thesis/ Project Supervised

- Khadija Fatima: BS 2011-15. Bayesian analysis of scale parameter of Beta distribution.
- Maria Malik: BS 2011-15. Bayesian analysis of scale parameter of Beta distribution.
- Ghazifa Azhar: BS 2011-2015, Bayesian analysis of scale parameter of Inverse Gaussian distribution.
- Shamshad Nizam: BS 2011-2015, Bayesian analysis of Inverse Chi distribution. □ Akhtar Abbas: BS 2010-2014, Comparison of Shrinkage Regression for Remedy of Multicollinearity Problem.
- Mahnoor Fatima: BS 2010-2014,
- Anam Qousain: BS 2010-2014: Impact of advertising on the Society
- Sania Fatima: BS 2010-2014: Forecasting of Pakistan Tomato production by Box-Jenkins Methodology.
- Taba Sajjad: BS 2010-2014, Forecasting of Pakistan population by box-Jenkins Methodology
- Aneela Shaukat: BS 2009-2011, Empirical Study of Regression Estimators in Two-phase sampling.
- Hina Yousaf: BS 2009-2011, Comparison of some ratio estimator of population mean using Skewness and Kurtosis.
- On Estimation of Kumaraswamy Exponentiated Inverse Rayleigh Distribution using Bayesian Analysis under Informative prior; BS 2018-22, Muqadas
- On Estimation of Exponentiated Generalized Inverted Gompertz Distribution using Bayesian Analysis under non-Informative prior; BS 2018-22; Aima Manwar
- On Estimation of Exponentiated Generalized Inverted Gompertz Distribution using Bayesian Analysis under Informative prior; BS 2018-22; Sehrish Jamil
- On Estimation of Weibull Frechet Distribution using Bayesian Analysis under non-informative priors; BS 2018-22 Warisha Khalid
- On Estimation of Kumaraswamy Exponentiated Inverse Rayleigh Distribution using Bayesian Analysis under non-Informative prior; BS 2018-22; Zulaikha
- Comparison of Shrinkage Regression Methods solving the problem of Multicollinearity using Pakistan gross domestic product; BS 2018-22; Isha
- Forecasting of Economic variables in Pakistan: A comparison of some Time series Methodology; BS 2018-22; Fareeha Nosheen

- Effect of Tourism and Age on Mortality due to COVID-19; BS 2016-20, Saliha Akram
- On estimation of Exponentiated Inverted Weibull Distribution using Bayesian analysis under non-informative priors; BS 2016-20, Amina Nadeem
- On estimation of Exponentiated Inverted Weibull Distribution using Bayesian analysis under informative priors; BS 2016-20; Zunaira Arif
- Purchasing Intentions towards automobile in Sialkot; BS 2016-20; Minahil Nadeem
- Forecasting of printing and writing paper for SAARC countries. A comparison of BOX-Jenkins methodology and Artificial Neural Networking; BS 2016-20; Mahwish Rasheed
- Study of electric power consumption, foreign direct investment, and economic growth in Pakistan: Regression analysis and an ARDL approach; BS 2016-20; Saleh Zahid
- Parental knowledge about thalassemia Child in Sialkot; BS 2016-20; Minahil Imran Ali
- Forecasting of CO² omission from solid fuel consumption for SAARC countries. A comparison of BOX-Jenkins methodology and Artificial Neural Networking; BS 2016-20; Wasia Tahir
- Usage of Mobile phone applications: A case study among students of University of Sialkot and GC Women University Sialkot; BS 2016-20; Kiran-Bint-Khalid
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Hobbies

- Cricket
- Book readings
- News and politics
- Computer and Internet search

Personal Detail

- Father's Name: Nasir Ahmad
- Nationality: Pakistan
- Marital Status: Single
- Languages: English, Urdu
- Email: wajiha.nasir@gcwus.edu.pk
- Cell#: +923417630035

References:

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