



Dr. Mahrukh Anum

Contact: Residence: Charbagh, Swat, Pakistan
Education: Ph.D. Statistics (Abdul Wali Khan University, Mardan)
Former name: Naseem Asghar
Research fellowship: The University of Hong Kong, Hong Kong
Research Interests: Biostatistics
Employment history:

Faculty member

- October 2010-ongoing
Lecturer in Statistics, Department of Mathematics, University of Swat, Pakistan.

Responsibilities: Teaching Statistics courses to bachelor's and master's students.

Administrative positions

- **2010-2012:** Chairperson, Department of Mathematics & Statistics, University of Swat, Pakistan
- **2016-2018:** Principal, College of Home Sciences, University of Swat, Pakistan
- **2009-2010:** Statistician, Ministry of Food & Agriculture, WTO Unit, Pak Secretariat, Islamabad, Pakistan.

Trainings Attended:

Title	Venue	dates
Data Science Bootcamp	School of Natural Sciences NUST, Islamabad	June 02-04, 2025
Research Methodology Under Transforming English Language Skills	University of Swat	August 08-10, 2018
Professional Competency Enhancement Program for Teachers (PCEPT)	University of Swat	July 04 to August 04, 2011
WTO Regime and its Implications on Labor Market	Pakistan Manpower Institute Labor, Manpower & Overseas Pakistanis Division Islamabad	February 24-25, 2010

Workshops Attended:

Title	venue	dates
3 rd Summer School "New Trends in Mathematical Sciences"	University of Swat (Shangla Campus)	26-30 July, 2023
2 nd Summer School "New Trends in Mathematical Sciences"	University of Swat (Shangla Campus)	18-22 July, 2022
Anti-Plagiarism & Use of Turnitin	University of Swat	April 11, 2018
Quality Assurance through promoting Anti-Plagiarism Culture	University of Swat	January 5, 2017
Role of Ladies Police in Women Empowerment	Psychiatry Department, Swat Medical College Saidu Sharif	November 10, 2016

Conferences Attended:

Conference Title	Dates	National/International
2 nd International Conference on Recent Trends in Statistics and Data Analysis at School of Natural Sciences, National University of Sciences and Technology, Islamabad	December 14-15, 2023	International
18 th International Conference on Statistical Sciences at Imperial College of Business Studies, Lahore	February 18-20, 2021	International
13 th International Conference on Statistical Sciences at Islamia College Peshawar	March 16-18, 2015	International

Publications:

Improved nonparametric survival prediction using CoxPH, Random Survival Forest & DeepHit Neural Network

N Asghar, U Khalil, B Ahmad, HM Alshanbari, M Hamraz, B Ahmad, ...
BMC Medical Informatics and Decision Making 24 (1), 120

Risk factors of cardiovascular disease in district Swat.

S Akhtar, N Asghar

JPMA. The Journal of the Pakistan Medical Association 65 (9), 1001-1004

Two-Dose Vaccination Significantly Prolongs the Duration from Symptom Onset to Death: A Retrospective Study Based on 173,894 SARS-CoV-2 Cases in Khyber Pakhtunkhwa, Pakistan

Q Song, N Asghar, A Ullah, B Liang, M Long, T Hu, X Zhou
International Journal of Environmental Research and Public Health 19 (18), 11531

Impact of Comorbidity on the Duration from Symptom Onset to Death in Patients with Coronavirus Disease 2019: A Retrospective Study of 104,753 Cases in Pakistan

H Zhou, J Wang, N Asghar, B Liang, Q Song, X Zhou
diseases 11 (176)

The frequency of various diseases among patients attending Tehsil Headquarter Hospital Khwazakela, Swat.

DM Khan, N Asghar, I Ali, WA Khan

JPMA. The Journal of the Pakistan Medical Association 69 (9), 1369-1371

Sample size determination for censored data

N Asghar, U Khalil, DM Khan, Z Khan, IU Din
Int. J. Ayurvedic Med 12, 267-269

Impact of Artificial Intelligence on Teaching Learning Process in Public Sector Universities: Implications for Curriculum Development

SA Dr. Sajid Ahmad, Dr. Shahid Iqbal, Mahrukh Anum, Sher Ali, Dr. Qamruz Zaman
International Journal of Social Sciences Bulletin 2 (4), 1148-1157

Evaluating University Teaching Effectiveness and Its Impact on Student Achievement: Insights from the University of Peshawar

S Iqbal, M Anum, S Ahmad, Q Zaman, SH Shah
Journal of Social Signs Review 2 (4), 82-108

Survival Analysis Of Coronary Artery Disease: A Case Study Of District Peshawar

SH Shah, S Iqbal, S Ahmad, Q Zaman, M Anum
Journal for Current Sign 2 (3), 188-233

Mixture and Non-Mixture Cure Models for the survival analysis of SARS-CoV-2 patients in Khyber Pakhtunkhwa, Pakistan

N Asghar, U Khalil, I Uddin
Pakistan Journal of Medical Sciences 40 (8), 1841

Recovery time of patients infected from COVID-19 in Pakistan

N Asghar, U Khalil, DM Khan, Z Khan, AA Khan, I ud Din, MN Awan, N Ali, ...

Statistical modeling in cardiovascular disease based on cross sectional survey from District Swat, Pakistan

N Asghar, S Akhtar, N Shaheen
Rawal Medical Journal 43 (3), 385-385

Conference Proceedings/Lectures:

1. Presented the research paper titled: Improved non-parametric survival method for censored data, 18th International Conference on Statistical Science at Lahore, Pakistan. February 18-20, 2021.
2. Presented the research paper titled: Risk factors of cardiovascular disease in district Swat, 13th International Conference on Statistical Science at Islamia College, Peshawar, Pakistan.
3. Lecture on 'Gender sensitization and enforcement of law' One day workshop on Role of Ladies Police in Women Empowerment.

.....