

AYESHA NAZUK

FIELD OF EDUCATIONAL & PROFESSIONAL EXPERTISE

Objective

Altruism should be the yardstick of quality; all research is futile if we can't think about solving problems that can minimize inequalities. My objective is to make best use of my skillset to circumvent social polarization in our country; efficient data collection can be a harbinger of a strong and resilient society.

Professional Experience

I have recently completed a research project spanning 2 years; funded by Higher Education Commission, regarding Monitoring & Evaluation. In this project I have served as Principal Investigator and Collaborated with various NGOs and INGOs, such as Bilquis Mushaaf General Hospital, Family Educational Services Foundation, Hunar Foundation, Ida Rieu Welfare Association, The Hunar Foundation, Rashid Memorial Welfare Trust etc. The project focused on assessment of a Community Development Park (CDP) in rural Sindh; Rashidabad is a CDP that has support from NGOs and INGOs, such as City & Guilds UK, USAID, UKAID etc. The findings of this project have attracted interest in the research community and the research paper, based on the findings of this project has been published in Thomson Reuters listed impact factor journal.

I conduct **trainings on SPSS** and Econometrics regularly through Professional Development Centre, NUST. I am licensed trainer for Graduate Record Examination (GRE) at United States Educational Foundation in Pakistan (USEFP).

I have been a visiting faculty member of Quaid E Azam University department of Statistics for a period of one semester, teaching Statistics to MSc. It is worth-mentioning that I was enrolled in M.Phil at the same time; performing both academic assignments efficiently.

I have been teaching statistics to CA students in SKANS school of accountancy F/8 Islamabad for a period of one semester.

I have been teaching Statistics to Msc (Psychology) students in Preston university Islamabad H.8 campus for a period of one semester.

I have been a gusseted officer of BPS-18, served as a Lecturer of Statistics Allama Iqbal Open University Islamabad campus for a period of two years (May 2006-Sep 2008).

Currently, I am working as Associate Professor of statistics at National University of Science and Technology, NUST School of Social Sciences and Humanities, housed at NBS, Sector H.12, Islamabad. (August 2008 to date). I am also assigned the portfolio of Distance Learning Coordinator and Director Local Quality Enhancement Cell, NUST.

Total experience: Around 15 years.

**Professional
Trainings**

SUPERVISED BY MR ZAHID ASGHAR (QAU-STAT)

I have done a project of TIME SERIES by analyzing the Demand Deposits of Pakistan (1981-2000) which encompassed “**Model Fitting and Forecasting**”. (Msc)

SUPERVISED BY MR KHALID MEHMOOD(director federal board of statistics)

I have undertaken a survey on “**Leisure time activities**” under the course “**survey methodology**” under this project I surveyed selected residents of Islamabad and then analyzed the data statistically using SPSS and MINITAB. (Msc)

SUPERVISED BY DR ABDUL QAYYUM (Pakistan institute of development economics)

I have done a project of TIME SERIES by analyzing the “sensitive price indicator of sugar and allied industries” from 1980-2005. In this project I worked on formulating the statistical model for the above mentioned time series data.

Also I forecasted the future trends.

SUPERVISED BY DR JAVED SHABBIR (QAU-STAT)

I have done research in “**Randomized Response strategy for circumventing evasive answer bias**” and I have formulated a new model for studying the sensitive study variables (such as *tax evasion, illicit earning methods etc*), as a degree requirement of m-philosophy of statistics.

**Educational
Expertise**

PhD 2014---2018

PhD. Research Topic: Social Sector Organization in Pakistan and assessment of their E-Accountability practices. (Details can be shared) Research paper on this has been published in PLOS One.

URL and Paper Title

A new disclosure index for Non-Governmental

Organizations

<http://journals.plos.org/plosone/article/authors?id=10.1371/journal.pone.0191337>

Article Metrics

This research has received affirmative reception; the study has been downloaded 53 times in last 2 months (Feb 2018 to March 2018), whereas as it been **viewed 203 times**.

(Refer to <http://journals.plos.org/plosone/article/metrics?id=10.1371/journal.pone.0191337>)

Quaid e Azam University-Subject, Statistics.
Supervisor Dr. Javid Shabbir (HEC Approved supervisor who has many publications in ISI Impact factor Journals).

M-PHIL (Masters of Philosophy of Statistics)
2004-2007.

Quaid e Azam University Islamabad (QAU)

Details:

Completed with A grade.

Msc (masters of statistics)**2002-2004**

Quaid e Azam University Islamabad (QAU)

Details:

2.0 years program, Total of 60 credits

Total 20 courses each of 3 credit hours.

2400 marks obtained out of 3000 marks.

B.sc **2000-2002**

Punjab University, **Lahore.**

Courses mathematics, statistics and economics.

523 marks obtained out of 800 marks.

Fsc **1998-2000**

Federal board of secondary and intermediate education.
(FBISE)

Courses mathematics statistics and computer science.

740 marks obtained out of 1100.

Matriculate 1996-1998

Federal board of secondary and intermediate education.
(FBISE)

Courses mathematics civics and general science.

543 marks obtained out of 850.

IT Intelligence

Packages that I have hold on:

- (1) Ox-metrics (Good)
- (2) SPSS (Excellent)
- (3) C++ (Need to Revise it thoroughly)
- (4) MINITAB (Good)
- (5) MICROSOFT EXCEL (Good)
- (6) E-VIEWS (Intermediate User)
- (7) STATA (Good)

Awards received.

- Stood third in Masters of Statistics from QAU.
- Obtained the Role of Honors award from Punjab University Lahore in Bsc.

References.

- Doctor Javed Shabbir, Retired Dean Faculty of Natural Sciences (He supervised my M.Phil and PhD) +92 300 5273086. javidshabbir@gmail.com.
- Dr Zafar Mehmood, HOD Research, National University of Sciences and Technology, NUST, Islamabad, email dr.zafar@s3h.nust.edu.pk Phone +92-300-5542525

Publications

- (1) Nazuk, A., Nadir, S., Ansari, A. R., & Nawaz, R. (2020). NGO online disclosures index in the presence of auxiliary information. PLoS one, 15(9), e0238297. **Impact Factor 2.740, Scopus and ISI Web of Sciences listed covered in JCR.** (Year 2020).
- (2) A new disclosure index for Non-Governmental Organizations, by Ayesha Nazuk; Javid Shabbir, PLoS One, 02/2018, Volume 13, Issue 2. **Impact Factor 2.806, Scopus and ISI Web of Sciences listed covered in JCR.** (Year 2018).
- (3) A new disclosure index for hospitals working in Pakistan, by Shahid, A., Nazuk, A. & Alamgir, M. (2021). Designing an online disclosure index for hospitals. Computer Methods and Programs in Biomedicine Update, 1, 100037.
- (4) Nazuk, A., Rashid, M., & Salman, V. (2021). Optimizing Inventory Management Cost: Case of Simap. *Statistics, Computing and Interdisciplinary Research*, 3(2), 99-116.

- (5) Miraj, A., Naveed, S., & Nazuk, A. (2021). Determinants of Informal Competition faced by Formal Firms in Pakistan: An Empirical Evaluation from 2013 World Bank Enterprise Survey. *FWU Journal of Social Sciences*, 15(2).
- (6) Khan, Z., Maud, H., Zubair, M., Salman, V., & Nazuk, A. (2021). Examining the Behavior in Public Good Games: An Application of Prisoner's Dilemma. *Pakistan Business Review*, 23(3).
- (7) Siddique, Z., Jamil, F., Nazuk, A., & Ahmad, E. (2019). Policy Failure in Achieving Universal Basic Education: A Theoretical Analysis. *The Pakistan Development Review*, 58(2), 135-157.
- (8) Drug Efficiency for the patients of Psoriasis Disease in USA, project under progress with Dr. Babar Khan Rao, (Professor, Rutgers Center for Dermatology, Assistant: cardonaj@rwjms.rutgers.edu, Associate Professor, Department of Dermatology, Weill Cornell Medical School, Professor Department of Dermatology, Rawalpindi Medical University, President, Rao Dermatology, Assistant: poonam@raodermatology.com, NIDISkin.com, Assistant: anna@nidiskin.com, Tel.: 212-949-2516) and Dr. Mahin Alamgir (Resident Physician, Resident Physician, Department of Dermatology, Rutgers Robert Wood Johnson Medical School, USA).
- (9) (Article No. JPM-A-2017-06-441), Titled: "A comparative survey for assessing Rashidabad City Hospitals quality with District Headquarter Hospital" by Ayesha Nazuk, Javid Shabbir and Ashfaq Hasan Khan in Journal of the Pakistan Medical Association, **Impact Factor 0.616, ISI Web of Sciences listed covered in JCR.** (Year 2018)
- (10) Zahid Asghar and Ayesha Nazuk. Iran-Pakistan-India Gas Pipeline—An Economic Analysis in a Game Theoretic Framework. *The Pakistan Development Review* Vol. 46, No. 4, Part II (2007) pp. 537–550. **Year 2007**
- (11) Ayesha Nazuk and Javid Shabbir. A New Mixed Randomized Response Model, *International Journal of Business and Social Sciences*, Vol. 1, Issue 1, 2010, pp. 186-190. Full Text available online <http://ijbssnet.com/journals/17.pdf>. **Year 2010**
- (12) Ayesha Nazuk, Sadia Nadir and Husnain Ahmed Kaandaan, In Pursuit of Lying Disorder among students through Randomized Response Technique, *NUST Journal of Business and Economics*, Vol. 2, No. 2, pp. 64-75. **Year 2009**
- (13) Ayesha Nauk, Sadia Nadir and Umer Ahmed. Modeling the Leisure Time Physical Activity in Islamabad, *International Journal of Business and Social Sciences*, Vol. 2 No. 4; March 2011, pp.246-252, online at <http://ijbssnet.com/journals/Vol. 2 No. 4; March 2011/28.pdf>. **Year 2011**
- (14) Ayesha Nazuk, Fiza Amer, Quratulain Tanvir, Saba Nawaz, Sahar Zahid Siddiqui, Shahwaiz Alvi (2013) Entrepreneurial Education in Public Sector Institutes of Rawalpindi/Islamabad, *International Journal of Management Sciences and Business Research*, Vol. 2, Issue 2, pp. 56-72. Online at <http://www.ijmsbr.com/Volume%202,%20Issue%202%20%287%29.pdf>. **YEAR 2013** [International Journal of Management Sciences and Business Research](#), An Open Access Journal – (Impact Factor 3.274)
- (15) Ayesha Nazuk, Sadia Nadir and Javid Shabbir, (2014), Using Transformation and Model-Based Approach to Enhance the Ratio and Product Type Estimators, *Journal of Statistics*, Vol 21, pp. 175-194. **Year 2014.**
- (16) Ayesha Nazuk, Yusra Siddiqui, Maha Gul, Rana Iradat Shareef, Meraj Murtaza and Raza Abbas Rajput, Analysis of Cheating disorder among university students through

Randomized Response Technique, International Journal of Business and Behavioral Sciences Vol. 3, No.3; Year 2013, pp. 15-22.

- (17) Nusrat Azeema and Ayesha Nazuk, Is Billboard a Visual Pollution in Pakistan, International Journal Of Scientific & Engineering Research, Volume 7, Issue 7, **2016** pp. 862-877.
- (18) Ayesha Nazuk, Asma Shamshad. Quantifying the Impact of Terrorism on Financial Markets of Pakistan. International Journal of Economic Theory and Application. Vol. 4, No. 1, **2017**, pp. 1-12.
- (19) Book review of "Bio-statistical Analysis" by Jerrold H. Zar, NUST Journal of Business and Economics, Vol 2 No. 2, pp. 98-99.
- (20) Use of Digital Storytelling as a Teaching Tool at National University of Science and Technology. Ayesha Nazuk, Farah Khan, Javeria Munir, Sarita Anwar, Syeda Masooma Raza, Umair Azhar Cheema. 2015. Journal Bulletin of Education and Research, Volume 37, Issue 1, Pages 1-26, Publisher-Institute of Education and Research. University of the Punjab Quaid-i-Azam Campus, Lahore, Pakistan.

Books Published

- (1) Tracking The Future Of News With The Lens Of Social Media In Pakistan Paperback – June 8, **2017** by Nusrat Azeema and Ayesha Nazuk, Lambert Academic Publishing, Amazon handle <https://www.amazon.com/Tracking-Future-Social-Media-Pakistan/dp/3330329653>

Project Completed

- 1. Co-Principal Investigator, A pilot study on Rashiadabad city funded by NUST, 0.6 million PKR. **(2016-16)**
- 2. Principal Investigator, HEC funded project 3.5 million PKR on assessment of RMWO in Sindh. **(2016-2018)**
- 3. Consultant for the Pakistan Poverty Alleviation Fund (PPAF), “COVID-19 Research Study” **(2020-2021)**.

Trainings

I have attended a five days training workshop on “Introduction to Human Resource Management” at Pakistan Institute of Management. (October 2009).

I have completed a one-day course on Meta-Data analysis, from Statistics Finland, 3rd May 2010.

Conferences attended

- 1) PIDE Conference
- 2) 11th International Conference On Management, Business, Economics, social sciences And Humanities Research DATES: 7 – 8 March, 2016, Langkawi, Malaysia. Presented a paper authored by me “Quantifying the Impact of Terrorism on Financial Markets of Pakistan”.

- 3) European conferences on Quality in Official Statistics- Q2010, Held in Finlanda Hall, Helsinki, Finland (4th-6th May 2010). Presented paper (2), listed in publications section.
- 4) Annual International Conference on Operations Research and Statistics- ORS2011, organized by Global Science and Technology Forum, held at Penang, Malaysia from 7th to 8th April 2011. Presented paper “Adjustment of the auxiliary variable for estimation of a finite population mean”.
- 5) World Engineering Congress, held in NUST in 2013 . Two research papers presented.
- 6) Fourth Annual International Conference on **1973 Constitution of Pakistan: Status and Role of Institutions**, 26-27 November, 2018, Organized by Department of History, University of Peshawar, In collaboration with the Hanns Seidel Foundation (HSF) Islamabad
- 7) 2nd International Social Sciences Conference 2016 **SOCIAL SCIENCES RESEARCH IN POST MODERN TIMES** organized by Faculty of Social Sciences, Allama Iqbal Open University (AIOU) held on 28th and 29th December, 2016.

External Examiner and HEC Approved Supervisor

1. I am HEC Approved supervisor; letter issued in 2020.
2. Serving as External Examiner since 2019 at the Riphah International University, Islamabad, for postgraduation thesis.
3. Serving as External Examiner since 2019 at the Pakistan Institute of Development Economics (PIDE), Islamabad, for postgraduation thesis.

Journal Services

- 1) Serving as Reviewer for the “International Journal of Business and Management Tomorrow”, Since October 2011. (<http://www.ijbmt.com/reviewers.php>).
- 2) Serving as Reviewer for the “African and Asian Studies”, Since 2019.
- 3) Serving as Reviewer for the “International Journal of Food and Nutrition Sciences”, Premier Publishers, since 2019.
- 4) Serving as Reviewer for the “International Journal of Food and Nutrition Sciences”, since 2019.
- 5) Served as reviewer for “Statistics in Transition” from 2013 to 2014.

Language Skills and Other Tests

- I have given GRE-Revised General Test (by ETS) on Sep 13, 2011. 160/170 Verbal ability and 161/170 Quantitative ability.
- TOEFL: 2012. Score is 109/120.

Workshops as Instructor

- 2013, A Three day workshop on “Statistical Package for Social Sciences-SPSS” organized from the platform of NILE, PDC, National University of Sciences and Technology.

- 2015, A Three day workshop on “Statistical Package for Social Sciences-SPSS” organized from the platform of NILE, PDC, National University of Sciences and Technology.
- A three day workshop on “Introduction to Econometrics”, for faculty at National University of Sciences and Technology, Pakistan. (15th July to 17th July 2010).
- 1 day Training on TOEFL at Unites States Educational Foundation in Pakistan (USEFP). 28 October 2014.
- 1 day Training on GRE at Unites States Educational Foundation in Pakistan (USEFP). Dec 9th, 2015.
- 1 day Training on GRE at Unites States Educational Foundation in Pakistan (USEFP). August 7th 2016.
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International Scholarship won

- Fulbright Doctoral Fellowship won
- ERSC Scotland Doctoral Fellowship won
- Did not join any due to some personal reasons.

Personal.

- National identity card number **6110117192138.**
- Marital status **single.**
- Gender **female.**
- Nationality **Pakistani.**