

Safia Bibi

MS-Economics

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Address: P.O. Box Khoi Nara, Khanpur Road, Haripur

Gained practical experience in banking operations through an internship at First Women Bank, handling documentation, cash balancing, and reporting. Developed teaching and management skills at Allied School by teaching Science, Math, and Computer, along with assisting in accounts.

Professional Experience

Internship 2022 - 2023
First Women Bank

- Gained practical experience in banking operations, financial documentation, and reporting.
- Handled document scanning, check clearing, stamping, and book receiving

Education

International Islamic University Islamabad
MS Economics CGPA- 3.65 2023 - 2025

Coursework and research in Economics with focus on climate change and food security in Pakistan.

International Islamic University Islamabad 2018 - 2022
BS Economics CGPA - 2.86

- Studied core economics subjects, data analysis, and research methodologies.

HSSC from Jinnah Jam-e-School and College Haripur 2016-2018

- FSc in Pre-Engineering

SSC from Shoukat Public School and College Pind Muneem 2014-2016

- Matriculation in science

Research Work

Research on Climate Change and Food Security in Pakistan 2024 - 2025

- Conducted research on analyzing the impact of climate change on food security, collecting and evaluating data from World Bank, Pakistan Economic Survey, and FAO. It has two main objectives.

1. To construct a multidimensional food security index for Pakistan.
2. To examine the impact of climate change on the food security index of Pakistan.

Research Objective 1 – Construction of Multidimensional Food Security Index (Pakistan)

- Applied Principal Component Analysis (PCA) to reduce data dimensionality and assign weights to variables.
- Focused on four core dimensions of food security: availability, access, utilization, and stability.

- Conducted two-stage graphical analysis:
- Constructed and analyzed individual indices for each dimension.
- Combined the dimension indices to create a composite multidimensional food security index for Pakistan and examined its trend.

Research Objective 2 – To examine the impact of climate change on the food security index of Pakistan.

- Utilized three key climate change variables annual mean temperature, CO₂ emissions, and direct flood losses to estimate their impact on the Food Security Index.
- Conducted pre-estimation analysis using the Augmented Dickey-Fuller (ADF) Unit Root Test to examine stationarity of time series data.
- Applied the Auto-Regressive Distributed Lag (ARDL) model for post-estimation analysis to assess both short-run and long-run relationships among variables.

Research Techniques

- Principal Component Analysis (PCA)
- Augmented Dickey-Fuller (ADF) Unit Root Test
- Auto-Regressive Distributed Lag (ARDL)

Diagnostic Test

- Breusch-Godfery LM Test for Autocorrelation
- Breusch-Pagan Test for Heteroskedasticity

Research Publications

Two research papers submitted for publication and currently under review

1. “A Multidimensional Assessment of Food Security in Pakistan”. Submitted to Springer Journals (Under Review).
2. “Climate Change and Food Security in Pakistan: Using Autoregressive Distributive Lag Model” Submitted to Pakistan Journal of Social Issues (Under Review).

Achievements & Awards

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| • Seerah Course award Al Burhan | 2024 |
| • Hadees Course Award | 2022 |
| • 17 th Young Leader Summit Award | 2019 |
| • Best Performance Award (College) | 2017 |

Key Skills

- Proficient in MS Excel, Word, and PowerPoint
- Skilled in research software (EViews, Stata)
- Strong teaching and classroom management skills
- Data collection and analysis