




Sana Ejaz

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WORK EXPERIENCE

[2024 – Current] **Research Analyst**

MicroMerger Pvt. Ltd.

- Public Health Data Analysis & Communication: Employing quantitative and qualitative research on polio programs, generating reports, presentations, and visualizations for policymakers and stakeholders.
- Polio Eradication Strategy & Optimization: Monitoring program activities, assessing impact, and synthesizing data to make data-driven decisions and strategies for ongoing polio eradication efforts.

[2022 – 2023] **Mathematics Teacher**

APS&C Boys Pasban

- Provided academic support and developed engaging lesson plans for students.
- Fostered a positive classroom environment to encourage curiosity and learning.

[2019 – 2021] **Research Scholar**

Quaid-i-Azam University, Islamabad

- Thesis focused on improving process quality control through the development of a Double EWMA-t control chart. This chart enhances the detection of shifts in the process mean, leading to improved product quality and reduced production costs.

EDUCATION AND TRAINING

[2017 – 2020] **MPhil**

Quaid-i-Azam University, Islamabad

Field(s) of study: Statistics

[2015 – 2017] **MSc**

International Islamic University, Islamabad

Field(s) of study: Statistics

PUBLICATIONS

[2021] [A new double EWMA-t chart with auxiliary information for the process mean](#)

An AIB double EWMA-t chart for monitoring the process mean is proposed. The DEWMA-t chart encompasses the EWMA-t, and AIB-EWMA-t charts.

[2020] [A new double EWMA-t chart for process mean](#)

A DEWMA-t chart for monitoring the process mean is proposed, which is a natural extension of the EWMA-t chart.

COURSES

[2023] **Google Data Analytics Professional Certificate**

[2024] **Data Analysis with R by Duke University**

DIGITAL SKILLS

My Digital Skills

Microsoft Office | R (Software) | LaTeX | Structured Query Language

HONOURS AND AWARDS

[2017] **Distinction Certificate Awarding institution:** International Islamic University, Islamabad

MSc degree awarded with Distinction.