

# Vidya Kumari

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## Education

### IBA, Karachi - BS. Economics

Sept 2020 – May 2024

Key Courses: Micro/Macroeconomics, Applied Econometrics I & II, Research Methods in Economics, Energy System & policy, Environmental Economics, Poverty & income distribution, Energy and Environment, Data Analytics for Economist, Foundation of Data Science, Introduction to Machine learning, Data Manipulation & visualization.

## Skills

- Excel Power tools for data analysis
- Python
- RStudio
- SQL
- SPSS/STATA
- Power BI

## Experience

### IBA Karachi | Research Assistant

April 2024- Present

- Conducted a comprehensive literature review on the effects of natural disasters in Sindh, Pakistan, focusing on mortality, psychological and physical impacts, social dislocation, and ecological damage, integrating academic and grey literature.

### UNICEF Pakistan| Research Associate| Policy Brief

Sept 2023 – Jan 2024

- Leading the creation of the 'Comprehensive Policy Framework for Societal Development in Pakistan', focusing on Education, Nutrition, Child Protection, and Health, demonstrating strong teamwork and policy making skills.
- Expertly integrated statistical data into policy briefs, emphasizing evidence-based approaches to address key child-related issues, showcasing analytical and advocacy skills.

### Dun and Bradstreet Pakistan| Product Research | Intern

Sept 2023 – Nov 2023

- Enhanced data extraction, analysis, and presentation skills at D&B, gaining proficiency in VBA, Python, and Excel.
- Delivered actionable insights on trade dynamics, identifying market opportunities, and aiding strategic business decisions.
- Researched weapons-producing countries and their ties with GCC nations, providing vital data that enhanced the company's market strategy in complex regions.

### Taurus Research | Research & Data Analyst

Feb 2023 – May 2023

- Utilizing my skills of SPSS and STATA to enhance the research of the institution.
- Helping the company complete its 4 upcoming medical-related research journals by using the correlation functions available in the software.

### The Citizen Foundation (TCF) | Intern

Jun2021 – July 2021

- Through this program, mentored 10+ students with their personal statements for different universities of Pakistan such as LUMS, IBA, and NUST
- Among those, helped 5 students to fill their university application forms for MUET, NUST, LUMS, and IBA
- Successfully, met the requirements of the internship and got the relevant certification from the organization.

## Projects and Research

### Final Year Project | (FYP) 2024

- Explored how socio-demographic factors impact the prevalence and severity of emotional violence within intimate partner violence (IPV) against married women in Pakistan, utilizing data from the Pakistan Demographic Health Survey (PDHS) 2017-18.
- Key findings include a 26% prevalence of emotional violence, emphasizing the need for targeted interventions based on socio-economic and cultural contexts to mitigate intimate partner violence (IPV)

### Energy and Environment | Course

- Conducted a comprehensive analysis of Pakistan's transition from coal-dependent energy production to sustainable energy sources, examining economic impacts and policy frameworks using lit data on Pakistan's energy consumption and coal reserves.
- Proposed strategic solutions for diversifying Pakistan's energy portfolio without compromising energy security, focusing on renewable resources and energy efficiency,

### Conference Paper | Selected for the IBA's International Conference 2023

- Conducted Mixed Methods research in Sindh to see the impact of climate change resulting in floods.
- The majority researched how the population was affected by the havoc and gave policies recommendations.

## Extracurriculars

- IBA Economics Club
- RETO Foundation
- National Commission for Justice and Peace (NCJP)
- Model CCI 2021