Israr Ahmad

Department of Economics

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Objective

As a data analyst with an economics background, I'm proficient in tools like Power BI, SQL, Python, and Excel. I'm eager to pursue further studies in Agricultural Economics and SDGs in China through the CSC scholarship. My aim is to contribute to sustainable agriculture and the achievement of the SDGs by applying my analytical skills.

Academic Qualification

Undergraduate

IMSciences, Peshawar, BS Economics

2019 - 2023 | GPA: 3.08/4.0

My academic background has equipped me with strong research skills, particularly in applying economic theories to real-world situations. I'm proficient in statistical analysis and can interpret complex datasets, drawing valuable insights. I've also honed my abilities in econometrics, enabling me to use data-driven evidence for informed decision-making.

Pre- Engineering, Higher Secondary School

Govt Degree College, Wana, Pakistan

Jun 2015-Jul 2017

I studied engineering for two years. My studies have given me a solid foundation in core engineering subjects like mathematics, physics, and chemistry.

Research & Projects

Bachelor Thesis Title: The Impact of Exchange Rate and Oil Prices on Food Inflation in Pakistan.

- My research examined how changes in exchange rates and oil prices affect food inflation in Pakistan. I used cointegration techniques and regression analysis on monthly data from January 2017 to April 2023, which I got from the State Bank of Pakistan, the Pakistan Bureau of Statistics, and the Oil and Gas Regulatory Authority.

My findings show that both exchange rates and oil prices have a big impact on food inflation. This means that policies aimed at keeping exchange rates stable and managing oil prices are crucial for controlling food inflation in Pakistan.

Super Store Sales Analysis Dashboard | link

- I analyzed retail data and found $2.33 million in sales with a strong 47% year-over-year growth across 5,100 orders.

- I identified key market segments, with one segment dominating at 50% of total sales ($1.17 million).

- To make the data easier to understand, I built a dashboard that showed how Accessories ($56K profit) and Supplies ($40K profit) were the biggest drivers of profitability.

Retail Super-Store Analytics Dashboard | Link

- I analyzed retail performance from 2021 to 2023, using dynamic visualizations to tell the story of sales trends ranging from $129K to $513K.

- I created an interactive dashboard to track sales across four regions, highlighting the Central region's consistent dominance with $50K-$202K in revenue.

- I also did a deep dive into product categories, which showed that Office Supplies were the top performer (32-34% share) and revealed monthly sales patterns for 13 subcategories.

Supply Chain Analytics Using Python | Link

- I used Python to do a complete analysis of a supply chain, focusing on visualizing the data and doing statistical analysis.

- To share what I found, I built interactive dashboards that showed important information about product prices, revenue, sales, and shipping costs.

- I used advanced data analysis methods to find trends, help make better decisions, and improve how efficient the supply chain was overall.

Pizza Sales Analysis Using PostgreSQL | Link

- I designed and optimized SQL queries to analyze sales, order, and revenue trends, which led to better business insights.

- I built advanced data models and visualizations to track how different types of pizzas were performing (by category, size, and revenue).

- To help with inventory and sales strategies, I set up ways to track important metrics, like hourly order patterns and how much revenue was coming in.

Professional Experience

Power BI Data Analyst   Oct 2023 - Nov 2024

Omni Security Inc, Karachi, Pakistan

- I created interactive dashboards in Power BI that gave real-time information about how the business was doing.

- I analyzed and visualized data to find trends and patterns, and then used that information to recommend ways to improve the business.

- I worked with different teams to figure out what they needed, build data models, and create reports in Power BI.

- I also made sure the data was clean and accurate so the Power BI reports could be used to make good decisions.

Data Analytics Apprenticeship   July 2023 - Dec 2023

Institute of Emerging Careers

- I used MySQL and SQL to explore retail transaction data and find meaningful patterns.

- By analyzing the data over time, by category, and by customer, I identified sales trends, how well different products were selling, and key customer segments.

- I improved my SQL skills (like joins and subqueries) through hands-on practice with the data.

- I also used Power BI to explore the retail sales data, building interactive visualizations and dashboards to identify trends and make the insights clear.

International Perspective

- Understanding of China's Belt and Road Initiative and its economic implications

- Interest in China's digital economy and supply chain innovations

- Currently learning Mandarin Chinese (HSK 2 expected by July 2024)

- Knowledge of cross-border trade analytics and international logistics

Honors & Achievement

- **Prime Minister Laptop:** Awarded by Higher Education Commission, Government of Pakistan.

- **Google Data Analytics Professional Certificate** | Verify
  Completed an 8-course program developed by Google, demonstrating proficiency in data analysis tools and techniques, including spreadsheets, SQL, Tableau, and R.

- **Fully Funded Undergraduate Scholarship** Holder from FATA Secretariat, Govt of Pakistan.
- **Data Analyst in Power BI |** [Verify](#)
  Completed a 50-hour course on DataCamp, demonstrating proficiency in data analysis and Power BI skills.
- **Supply Chain Analytics Essentials**: Completed a comprehensive course on Coursera, gaining expertise in applying data analytics to optimize supply chain management and improve decision-making
- Registered with Higher education commission (HEC), Pakistan

Training & Skills

Data Analysis Tools:

- Power BI (Advanced Dashboard Creation)
- SQL (PostgreSQL, Query Optimization)
- Python (Data Analysis Libraries)
- Microsoft Excel (Advanced Data Manipulation)

Analytical Techniques:

- Exploratory Data Analysis
- Statistical Analysis Supply
- Chain Management
- Supply Chain Analytics
- Data Visualization
- Data Cleaning and Preparation

Soft Skills:

- Problem-solving
- Cross-functional Collaboration
- Strategic Thinking
- Presentation of Complex Data Insights

Extra-Curricular activities

- Executive member of Doag Students Society (Welfare Society).
- Logistics Head of IM|Carnival (IM|Sciences).
- An active member of University Football Tournaments (IM|Sciences).
- Active Football player, with a passion for hiking and exploring trails.
- Avid reader with a keen interest in personal development and non-fiction genres.

Personal Data

Date of Birth   01/17/1999

Nationality   Pakistani

NIC	21708-8720128-7
Passport	KV1171281
Address :	Doag, Wana, South Waziristan, Pakistan

Languages:

English : Fluent (Professional Level)

Pashto: Mother Tonge

Urdu: National Language

References:

[Available upon request]

Ms. Muska Mukhtar

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