Tejasvini Bhatt

Master Student | International Economics and Data Analysis | University of Tuebingen

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EDUCATION

University of Tübingen, Germany
Master of Science (MSc) in International Economics, Semester 3

Maharaja Sayajirao University, India
Bachelor of Arts (BA) Economics with Honors, Grade: A (German Grade - 1.50)

PROJECTS

Time Series Forecasting in Python
Developed Python algorithms for analyzing time series data of stock index prices, focusing on optimal parameter selection and employing forecasting techniques to predict future trends. Utilized methods such as exponential smoothing to ensure accurate predictions, and tested these models against historical data to validate their effectiveness.

Time Series Analysis: ARMA(1,1) Model
Explored the ARMA(1,1) model for time series forecasting, focusing on simulation, parameter estimation via Maximum Likelihood and Quasi-Maximum Likelihood, and stationarity testing with Dickey-Fuller. Demonstrated the model's practical utility and theoretical underpinnings in addressing data irregularities.

Behavioral Finance Study — Research (Bachelor Thesis)
Investigated the impact of emotional and cognitive biases on investment decisions among equity investors in major Indian cities, utilizing content and narrative analysis to validate survey findings through expert consultations.

PROFESSIONAL EXPERIENCE

Lewin Schaudt Consultancy, [Tü] — Working Student Data Analysis — **Current**
Currently analyzing Transnet's energy consumption trends, developing interactive PowerBI Dashboards, and executing SQL queries for associated tasks, aiming to enhance operational insights and efficiency.

Vectis Finance, [Tü] — Intern — **Jan'24 - Mar'24**
Developed a data pipeline by gathering data on German bank mortgage policies using Python and web scraping techniques, facilitating the creation of a language model for their website.

Max Planck Institute, [Tübingen] — Working Student — **Jan'23 - July'23**
Curated data such as images, videos, and 3D scans, developed software tools for data processing, and ensured high data quality. Collaborated with researchers to improve algorithm performance and implemented research code from recent publications, while supporting various team tasks.

CORE COMPETENCIES

Strong problem-solving and analytical skills, effective interpersonal communication, collaboration, data handling, critical thinking, attention to detail

AWARDS AND SCHOLARSHIPS

Study Abroad Scholarship — Professorial Scholarship
Awarded by Professor Dr. Akash Kumra of the University of Baroda for academic exellence, INR 500,000 (€5,600)

Research Excellence Award — Bachelor Thesis
Achieved 'O' Grade (Outstanding, >95%) and received a research award from a jury of esteemed Economics professors for exemplary research conducted during the Bachelor's thesis.

LANGUAGES

- English (C1)
- German (A2)
- Spanish (A1)

SKILLS

- Python Programming
- R Programming
- MS Office
- Economic Data Analysis
- Qualitative Research
- Quantitative Analysis

RELEVANT COURSES

- Macroeconomics
- Microeconomics
- Time Series Analysis
- International Trade
- Computational Finance
- Deep Learning
- Regression models in R

CERTIFICATIONS

- Python for AI and Data Analysis — IBM(Coursera)
- Advance Treasury and Foreign Exchange Management — BSE Institute Ltd
- Financial Markets — Yale(Coursera)

CO-CURRICULAR ACTIVITIES

- Photograpy
- Indian Classical Music
- Canvas Art