

# Ann Mary James

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## EDUCATION

### Master of Science in Applied Economics

August 2023 – August 2024

University of Cincinnati, Carl H. Lindner College of Business, Cincinnati, Ohio

GPA: 3.9

- **Relevant Coursework:** Econometrics, Spatial Econometrics, Data Analysis with R Studio, Time Series Econometrics, Panel Data Econometrics, Microeconomic Theory, Macroeconomic Theory, Game Theory

### Master of Arts in Applied Economics

August 2022 – May 2023

Christ (Deemed to be University), Bangalore, India

GPA: 3.4

- **Relevant Coursework:** Industrial Economics, Financial Economics, Banking and Finance, Statistics for Economics, Data Science with MS Excel, Advanced Mathematical Economics, Business Analytics

### Bachelor of Arts in Economics and Entrepreneurship

July 2019 – June 2022

University of Delhi, Jesus and Mary College, Delhi, India

## WORK EXPERIENCE

### Research Assistant

October 2024 – Present

University of Cincinnati, Carl H. Lindner College of Business, Cincinnati, Ohio

- Developed actionable insights on tax levies that influenced regional fiscal policies by utilizing advanced econometric methods such as Difference-in-Difference and Regression Discontinuity, and in-depth data analysis and interpretation.
- Improved research outcomes and stakeholder decisions by conducting literature reviews, data analysis in Stata, creating models, and presenting insights to diverse audiences.

### Graduate Assistant

August 2023 – August 2024

University of Cincinnati, Carl H. Lindner College of Business, Cincinnati, Ohio

- Designed custom R Studio exercises and tutorials, accomplishing a 10% improvement in student performance on key economic concepts and data science methods by creating interactive and practical learning materials, indicating effective communication skills.
- Improved undergraduate proficiency in applying regression methods to real-world scenarios by enhancing coursework quality and providing actionable feedback to over 80 students.

### Data Analyst Intern

January 2022 – March 2022

No Help Too Big (NGO), Delhi, New Delhi, India

- Improved data accuracy by 35% through SQL-based data cleansing and validation scripts, standardizing donor and financial records and reducing duplicate entries.
- Enhanced program impact assessment by developing 3+ interactive dashboards in Tableau, integrating multiple data sources, and visualizing KPIs for informed decision-making on resource allocation.
- Streamlined data processing workflows and improved efficiency in monthly beneficiary tracking reports via advanced Excel formulas and VBA automation.

## ACADEMIC PROJECTS

### Corruption's Shadow: The Uneven Impact on Global Economic Growth - A Panel Data Approach

May 2024 – August 2024

- Quantified the impact of corruption on GDP growth across 33 countries, providing actionable insights for policy interventions.
- Established the correlation between the Corruption Perception Index and economic growth by conducting a comprehensive study, demonstrating that a 1-unit increase in CPI is linked to a 0.077% decrease in GDP per capita in developing countries.

### Understanding Consumer Sentiment with Effects on Labor Market and Inflationary Pressures

March 2024 – April 2024

- Improved forecasting accuracy for the Consumer Sentiment Index, CPI, and Unemployment Rate using VAR/VECM models in R, achieving a narrow confidence interval for CPI.
- Delivered insights on consumer sentiment, labor market, and inflation through eight-period-ahead forecasts, informing economic policy and business strategies.

## SKILLS

**Programming Languages:** R, SQL, VBA, Stata, Python (NumPy, Pandas, Matplotlib), SAS

**Databases, Data Visualization and Modeling:** MySQL, Tableau, Power BI, GeoDa, EViews

**Tools and Platforms:** RStudio, Jupyter Notebook, Visual Studio Code, GitHub, Microsoft Office 365 (Excel, Word, PowerPoint), G-Suite, Windows, macOS

**Core Competencies:** Statistical Analysis, Data Visualization, Econometric Modeling, Strategy Development, Data modeling, Data Cleansing, Quantitative Analysis, Research Analysis, Qualitative Analysis, Market Research and Analysis, Machine Learning

**Certifications:** Introduction to Data Analytics – IBM (Coursera), Foundations: Data – Google (Coursera), Data Visualization using ggplot (Data Camp), Exploratory Data Analysis in R (Data Camp), Accenture Data Analytics and Visualization – Forage