
RESEARCH INTERESTS

Financial Economics, International Finance, Behavioral Finance, Household Finance, Financial Markets, FinTech, Cryptocurrencies, Empirical Asset Pricing, Applied Econometrics, and Economic Growth and Development

EDUCATION

Fordham University, Graduate School of Arts and Sciences <i>PhD Candidate in Economics (Econometrics and Quantitative Economics), GPA: 3.8/4.0</i> <i>Fields: International and Financial Economics</i>	New York, USA Aug 2018 - Present
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Symbiosis International University, School of Economics <i>MSc in Economics</i> <i>Specializations: International Trade and Finance, Applied Econometrics</i>	Pune, India 2014 - 2016
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University of Pune, Fergusson College <i>BSc in Physics (Major), Mathematics, Statistics</i>	Pune, India 2011 - 2014
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EMPLOYMENT

Fordham University, Graduate School of Arts and Sciences <i>Graduate Research Assistant to Professor Dominick Salvatore, Distinguished Professor of Economics</i>	New York, USA Aug 2018 - Present
<ul style="list-style-type: none">• Set up economic models and run econometric analyses on research projects in Trade and Development• Created / edited diagrams, charts, tables and textbooks, articles, and research work• Updated and proof-read in entirety the manuscript for Prof. Salvatore's International Economics textbook, 13th edition, a leading textbook on International Economics	

University of Cambridge Judge Business School, Centre for Alternative Finance <i>Researcher, Crypto asset, and Blockchain Research</i>	June 2020 – Aug 2020
<ul style="list-style-type: none">• Worked on the Global Alternative Finance Benchmarking (GAFB) project with focus on data analyses and dashboard prototype development. The project is aimed at creation of an interactive dashboard providing historical analyses and insights at the aggregated level into the latest development and trends in the alternative finance markets and its regulatory environment• Contributed to the 3rd edition of Global Crypto asset Benchmarking Study with focus on data analyses based on the collected public data and survey data. The study reviews the market trends and provides insights into the state of the crypto asset industry	

ZS <i>Associate, Business Performance and Advanced Modeling</i>	Pune, India June 2016 - July 2018
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Area of work: Multi- channel Marketing, Key Drivers Analytics and Business Performance

Technologies/Tools: SQL, R, SAS, Tableau, Amazon Redshift Database, Excel, PowerPoint

- Provided business relevant analytics and insights to a major US Pharma client
- Served as a key point of contact with clients; provided follow-up with client after project deliverable has been completed to ensure client satisfaction
- Understand clients' strategy, business goals, KPIs and help to design viable recommendations across multiple sales and marketing channels
- Analyzed brand journey/ business processes and tactics, identifying pain areas for sales and marketing channels and propose investments and actionable insights for new marketing channels, for long-term value creation
- Designed and developed Tableau dashboards with valuable insights and the performance of different tactics across channels for the client to take an informed decision; automated the reporting process for hassle free refresh for the client's internal use and distribution
- Analyzed the key drivers of sales and gauge effectiveness of different tactics across different channels and evaluated investment returns across channels using advanced regression models to help clients take informed decision to allocate their investments/ resources accordingly
- Contributed towards practice capability building through preparation of presentation decks, training documents and client briefing sessions and helping/training new people on the project with various tools and project specific business concepts/ information to help them get on board

AWARDS AND HONORS

- Mahony Prowse Scholarship for academic excellence in the field of Economics at Graduate School of Arts and Sciences, Fordham University, 2020
- Dominick Salvatore Summer Research Fellowship for pursuit of promising research at Graduate School of Arts and Sciences, Fordham University, 2020

- Omicron Delta Epsilon (ODE) International Honor Society for Economics Membership by Fordham University's chapter of ODE, 2019
- GSAS Fellowship to pursue PhD in Economics at Graduate School of Arts and Sciences, Fordham University, 2018 - present
- Outstanding Achievement Award (client) for work on Multi-channel Marketing Analytics (Non-personal Promotion Digital Tactics), 2017
- OPSCAR award (ZS) for overall excellence in Business Operations and contribution to Global Analytics Team, 2017
- Selected among 55 students across India for National Initiative on Undergraduate Sciences (NIUS)- Physics camp 9.1, 2012
- Won first prize as group for work and poster presentation on AstroSat during Radio Astronomy Winter School organized by Inter University Center for Astronomy and Astrophysics, 2011

PUBLICATIONS

- **Janhavi Shankar Tripathi**, "Trade- Growth Nexus: A Study of G20 Countries", 2016, IOSR Journal of Economics and Finance (IOSR- JEF), Volume 7, Issue 3. Ver. II, PP 60-70
- Desai, N., **Janhavi Shankar Tripathi**, "Rupee Exchange Rate Dynamics from 1993 to 2011: Study of Factors Driving the Exchange Rate", 2016, IOSR Journal of Economics and Finance (IOSR- JEF), Volume 7, Issue 2. Ver. II, PP 19-25

RESEARCH PROJECTS

The Impact of Fractional Trading on Risk Aversion for Non-professional Investors, Working Paper (2021)

Abstract: This paper studies the impact of fractional trading on non-professional investors' decision-making under uncertainty. Using the expected utility framework, we show that with the recent easiness to trade in stock markets and with the option to buy or sell a fraction of a share of a stock or ETFs (exchange-traded funds), the risk appetite of non-professional investors might have gone up, increasing market participation and demand for stocks. Furthermore, we show that this change in the non-professional investor's risk aversion behavior varies by household income levels. Our results suggest that easy access to trade stocks and fractional trading allows households with lower discretionary income a new tool to diversify their portfolio and participate in the stock markets by investing in different stocks and ETFs while at the same time having a significant impact on the stocks' price levels and price dynamics observed in the markets.

Trade-Growth Nexus: A study of G20 Countries using Simultaneous Equations Model with Dynamic Policy Simulations, Working Paper (2021)

Abstract: This paper studies the relationship between trade openness and economic growth for G20 countries using a simultaneous equations model from 2004-2019. The model is estimated using a full information maximum likelihood method for the G20 countries. Further, the analysis is also done separately for Advanced and Developing G20 countries. The results suggest that trade is positively related to growth, but it works as a handmaiden rather than a growth engine. Further, we also perform dynamic policy simulations based on the most advocated policies like increasing growth of exports, foreign capital inflows, curbing domestic inflation, etc. We find that these policies are not very effective in increasing the growth rate of the real per capita income.

Predicting COVID-19 Cases Using Google Community Mobility Report, 2020

Abstract: The recent global outbreak of Coronavirus disease (COVID-19) has affected many countries worldwide. To tackle this pandemic, governments worldwide have implemented a range of stringent policies, including stay-at-home 'lockdowns'; school and workplace closures; cancellation of events and public gatherings; and restrictions on public transports. These steps were taken to slow the spread of the virus by enforcing physical distance between people. In this study, I am using data mining techniques such as regression and neural networks to predict the number of COVID-19 new cases in Arizona, California, and New Jersey-based on the metrics available in the Community mobility report. The metrics in Google Community Mobility Report might help predict COVID-19 numbers and analyze the pandemic. Utilizing data mining techniques on this data can provide us a better insight into the COVID-19 outbreak in the states and help manage the health crisis in the states and countries worldwide.

Trade – Growth nexus: a study of G20 countries, MSc Thesis, 2016

Abstract: An attempt to understand the dynamics between trade and growth (T- G) for the G20 countries. The study has been performed in two different parts using different methodologies. In the first part, time series analysis has been used and the individual country- wise study has been performed using cointegration and error correction procedures. The evidence of cointegration and Granger causality have been shown in the results section and the results vary from one country to another. After that in the second part, a panel data approach has been taken into consideration. In this part, panel cointegration and panel error correction models (ECM) with GMM estimation has been used to explore the causal relationship between trade openness and economic growth. For the panel data part, the period of study is 1989- 2013. Using the results, we have shown the results whether there is causality between trade and growth or not. In the study both long run and short run causality has been considered.

Performance analysis and estimation of production function for Indian automobile sector, 2015

Abstract: This project involved examining of the productivity performance using growth accounting approach and further an econometric study was done using Gretl to understand the nature and degree of substitutability of the production function for Indian automobile sector.

Magneto- hydrodynamics and Dynamo theory, BSc Thesis, 2014

Abstract: This project was aimed to study and understand the evolution of magnetic field in galaxies using Magneto-hydrodynamics and Dynamo theory. It involved in depth mathematical analysis and use of IDL (Interactive Data Language) to simulate the evolution of galactic magnetic field.

COMPUTER SKILLS

Operating System: Windows, Linux

Language: R, Python, MATLAB, IDL, C/C++

Application: MS Office, SQL, Tableau, EViews Power BI, SAS, Stata, SPSS, Gretl, LATEX

Database: Amazon Redshift

REFERENCES

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