

# ARJUN GUPTA

☎ +91-9971528483 📍 New Delhi, India ✉ [gpta.arjn@gmail.com](mailto:gpta.arjn@gmail.com) [in arjung93](#) [@ arjung93](#)

## Summary

Data Scientist and Researcher with experience executing the entire research process: from problem formulation to results communication. Strong quantitative background in with expertise in causal inference, machine learning, predictive modeling, and data-driven decision-making. Experienced in extracting actionable business insights using Python, R, and SQL, and applying advanced analytics to drive results.

## Skills

**Technical Skills:** Econometric Models, Statistics, Machine Learning, Causal Inference (A/B Testing), Artificial Intelligence, Large Language Models, Data wrangling and visualization

**Programming Languages:** R, Matlab, Python, SQL,  $\text{\LaTeX}$ , Linux, Git

## Education

<b>Tilburg University, The Netherlands</b> <i>Research Masters in Economics (Distinction)</i>	<b>September 2020 – September 2022</b> GPA: 8.0
<b>Tilburg University, The Netherlands</b> <i>Master of Science in Econometrics and Mathematical Economics (Distinction)</i>	<b>September 2017 – September 2019</b> GPA: 7.6
<b>Delhi University, India</b> <i>Bachelor of Science in Physics</i>	<b>September 2011 – September 2014</b>

## Work Experience

<b>World Bank</b> <i>Short Term Consultant</i>	<b>August 2024 – Present</b> Remote
<ul style="list-style-type: none"><li>* Conducting meta-analysis for the Equitable Growth, Finance, and Institutions (EFI) Global Practice of the World Bank.</li><li>* Created a Database of government interventions to improve business conditions in developing countries.</li><li>* Conducted a literature review on the use of satellite imagery data to check the effect of Special Economic Zones in India.</li></ul>	
<b>Erasmus School of Economics and Tinbergen Institute</b> <i>Ph.D. Candidate in Econometrics</i>	<b>September 2022 – March 2024</b> Rotterdam, The Netherlands
<ul style="list-style-type: none"><li>* Wrote a research paper using applied econometrics methods such as logistic regression, on a large E-commerce website data set (1TB), and theoretical economic models.</li><li>* Nominated for the Best Paper award at <a href="#">Winter School at Delhi School of Economics, 2023</a> .</li><li>* Taught seminars on modern econometric theory, application, and programming at Bachelor levels.</li><li>* Supervised bachelor's theses on quantitative analyses and experiments.</li></ul>	
<b>Tilburg University, The Netherlands</b> <i>Research and Teaching Assistant</i>	<b>September 2020 – September 2022</b> Tilburg, The Netherlands
<ul style="list-style-type: none"><li>* Received a 4.5/5 rating as a Teaching Assistant for second-year undergraduate courses in Economics, where I solved tutorials for students.</li><li>* Created assignments for a master-level course on “Panel Data Econometrics”.</li></ul>	
<b>National Institute of Public Finance and Policy</b> <i>Research Programmer</i>	<b>August 2015 – August 2017</b> New Delhi, India
<ul style="list-style-type: none"><li>* <i>PenCalc</i>: Wrote a quantitative <a href="#">paper</a> and created an R package that simulates a distribution of pension at retirement age.</li><li>* Air Pollution: Wrote blog articles in <a href="#">The Leap Blog</a>, <a href="#">Times of India</a>, and, <a href="#">research paper</a> using statistical techniques.</li><li>* <i>NIPFP-DEA Programme</i>: Assisted the Ministry of Finance in making presentations to credit rating agencies such as S&amp;P, Fitch, Moodys etc.</li><li>* <i>Impact of foreign institutional investor flows in the Indian equity market</i>: Created a data set of daily net purchases by FII and estimated the behavior of FIIs on days of <i>extreme events</i> using event studies</li><li>* <i>Data System Management</i>: Managed an automated self-updating framework for retrieval and storage of macroeconomic time series data using R and Unix tools</li></ul>	

## SCHOLARSHIP

<b>Center Scholarship:</b> 6,200 euros per year along with tuition fee waiver	<b>Sep. 2020-Sep. 2022</b>
<b>ERIM Research Grant</b>	<b>Sep. 2023</b>