

SATENDER RANA

Trained in applied development economics, I specialize in quantitative and qualitative research methods, econometrics, and the use of statistical software to wrangle and visualize data and communicate insights to decision makers. I'm keen interested in and working towards harnessing data science to enable not-for-profits in using the data to make evidence-informed decisions. I'm an avid reader and writer and frequently write on development research and evidence.

EDUCATION

- 2023 • **Indian Institute of Management Lucknow (IIML)**
Executive Programme in Data Science • Hybrid
- 2021 • **London School of Economics and Political Science (LSE)**
MSc Dev. Management (Applied Development Economics) • London, UK
Dissertation: *Impact of Social Capital on Social Distancing and Spread of COVID-19 in India.*

WORK EXPERIENCE

- Present | 2021 • **Senior Research Fellow | Research Lead (Talent Management study | Knowledge Institute)**
Indian School of Development Management (ISDM) • Noida, India
• Prepared 3 [research reports](#) from talent study.
• Developed 2 [cases](#) on talent management.
• Conducted 2 workshops on qualitative thematic coding using MAXQDA.
- 2021 | 2021 • **Independent Consultant**
International Rice Research Institute (IRRI) • Remote
• Developed indicators, data collection tool, and index for measuring and monitoring women's agri-entrepreneurship capacity (WAECE).
• Prepared a research report and a working paper on WAECE index.
- 2021 | 2020 • **Graduate Consultant**
The World Bank • Remote
• Conducted feasibility study for the implementation of Artificial Intelligence (AI) based Governance Risk Assessment System (GRAS).
• Prepared a research report on the feasibility study of GRAS.
- 2020 | 2020 • **Senior Manager**
Birla Institute of Management Technology (BIMTECH) • Greater Noida, India
• Conducted demand and supply side analysis for micro-insurance product development and product testing for the beneficiaries of SWAPNO project of UNDP Bangladesh.
• Led one development consultancy project (Baseline Survey and Community Needs Assessment) in Himachal Pradesh, India.
• Organised a national webinar on "Impact of COVID-19 on Indian agriculture".
- 2020 | 2016 • **Programme Manager**
BIMTECH • Greater Noida, India
• Generated revenue worth USD1,33,000 with national (JSW Cement Ltd., JK Paper Ltd., Epsilon Carbon) and international (UNDP Bangladesh) organisations.
• Led 5 development consultancy projects (Impact Evaluation, Baseline Surveys, Community Needs Assessment, Situation Analysis and Perception Mapping) across India covering 90 villages spread across 9 districts. Led perception mapping of a CSR interventions of NTPC Dadri in 6 villages.
• Led data collection, preparation, quality assurance and analysis of structured and unstructured data (textual), and data visualization
• Developed and implemented econometric model (Difference-in-Differences) for the impact evaluation of a microfinance project.
• Published research article in a peer reviewed ABDC category 'A' rated journal.
• Organised 3 national workshops on CSR, 1 capacity building training programme.

CONTACT

- 📞 +91 783-894-7330
- ✉️ rana.satender@hotmail.com
- in [linkedin](#)
- 🐙 [github](#)
- 📁 [portfolio](#)

SKILLS

TOOLS

R programming language for statistical analysis and visualization (ggplot2, tidyverse, purrr, tibble, MICE, Amelia, missForest, Hmisc, mi, lubridate, caret) | STATA | Excel | MAXQDA | Zotero | Adobe InDesign | Word | PowerPoint | Google Workspace (Docs | Sheets (Simple ML for Sheets) | Slides | Forms)

SOCIAL RESEARCH & DATA ANALYTICS

Exploratory data analysis (EDA) | Regression analysis (Linear, Logistic) | Time series analysis | Statistical modeling | Econometrics | Impact evaluation | Experimental (RCT) and quasi-experimental research and statistical technique for estimating causal relationships (PSM, IV, RDD, DID) | Systematic literature reviews | Participatory research methods (FGDs | in-depth interviews) | Thematic coding (open and axial) and analysis | Surveys | Development of evaluation framework (Theory of Change and log-frame) | Data collection, preparation, quality assurance and analysis of structured and unstructured data (textual), and data visualization | Report writing

LANGUAGES

English | Hindi

2016 2015	Assistant Program Officer Indian Social Responsibility Network <ul style="list-style-type: none"> • Led impact assessment of sanitation project of Sunil Healthcare Limited. • Liaised and coordinated with network NGOs, companies for project implementation. • Organised two national level workshops on NGO management 	📍 New Delhi, India
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TEACHING EXPERIENCE

2022	Qualitative Thematic Coding and Analysis using MAXQDA Resource person at ISDM	📍 Noida, India
2018	Needs Assessment and Impact Evaluation Resource person at BIMTECH	📍 Greater Noida, India
2019 2017	Corporate Social Responsibility (CSR) and Sustainability Took a few sessions of CSR and Sustainability Course at BIMTECH	📍 Greater Noida, India



TRAINING

2022	Exploratory Data Analysis with Categorical Variables Regression Models: Dummy Variables and Logit/Probit using Eviews IMPRI Impact and Policy Research Institute	📍 Online
2022	Google Data Analytics Professional Certificate Coursera Google	📍 MOOC
2022	Machine Learning A-Z™: Hands-On Python & R In Data Science Udemy	📍 MOOC
2022	R Programming: Advanced Analytics In R For Data Science Udemy	📍 MOOC
2021	Qualitative Data Analysis with MAXQDA Software Coursera Emory University	📍 MOOC
2021	STATA London School of Economics and Political Science	📍 London, UK
2021	R programming London School of Economics and Political Science	📍 London, UK
2020	Data Science: R Basics edX HarvardX, Harvard University	📍 MOOC
2020	Adobe InDesign CC - Essentials Training Course Udemy	📍 MOOC
2020	Adobe InDesign CC - Advanced Training Course Udemy	📍 MOOC
2017	Predictive Analytics with R BIMTECH	📍 Greater Noida, India
2014	Summer School in Environmental and Resource Economics South Asian Network for Development and Environmental Economics (SANDEE)	📍 Bangkok, Thailand
2014	The Age of Sustainable Development (With Distinction) Coursera Columbia University	📍 MOOC
2014	Global Trends for Business and Society Coursera Wharton Business School	📍 MOOC
2014	New Models of Business in Society Coursera Darden School of Business	📍 MOOC
2014	Introductory e-course on Climate Change United Nations Institute for Training and Research	📍 MOOC








PUBLICATIONS

- 2022 **Community Development Centre: A Covenant with the Baiga (tribe)**
ISDM Case Centre  Noida, India
Menon S, Rana S, Merchant K, Pandey A.
- 2022 **National Centre for Promotion of Employment for Disabled People: Dignifying the Disabled**
ISDM Case Centre  Noida, India
Menon S, Rana S, Merchant K.
- 2022 **Cage of norms**
LinkedIn post  Online
Rana S
- 2021 **Unpacking gender dynamics in food systems**
LSE Department of International Development Blog  London, UK
Rana S
- 2021 **Institutional Social Responsibility: A B-School's response towards COVID-19**
India CSR  Online
Rana S, Tiwari R.
- 2018 **The Role of Law in Promoting CSR: The Case of Indian Maharatna Public Enterprises**
International and Comparative Corporate Law Journal, vol. 13 (2), 2018: pp. 57-106. ABDC A  Online
Rana S, Sahay A.
- 2018 **Principles of Sufficiency Economy and Sustainable Development**
Shodh Gyaan, vol. 5 (2), 2018: pp. 27-30.  Greater Noida, India
Rana S
- 2018 **Review of book “Poor Economics: A Radical Rethinking of the Way to Fight Global Poverty”, by A. Banerjee & E. Duflo**
Shodh Gyaan, vol. 5 (1), 2018: pp. 60-67.  Greater Noida, India
Rana S



SELECTED AWARDS AND ACHIEVEMENTS

- 2020 **Commonwealth Shared Scholarship**
Commonwealth Scholarship Commission in the UK and LSE  London, UK
- 2020 **Accepted to the MSc in Evidence-Based Social Intervention and Policy Evaluation**
University of Oxford  Oxford, UK
- 2020 **Accepted to the Leading Successful Programs: Using Evidence to Assess Effectiveness**
Harvard Kennedy School Executive Education  Hybrid
- 2018 **Jindal Doctoral Scholarship to pursue PhD programme in Management**
O.P. Jindal Global University  Sonipat, India
- 2015
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2013 **Pujya Sh G D Birla Academic Merit Scholarship**
BIMTECH  Greater Noida, India