

Siddharth Dhote

New Delhi | siddharth.dhote@ihdindia.org | [linkedin.com/in/siddharthdhote](https://www.linkedin.com/in/siddharthdhote)

I am an experienced development sector professional who has worked on projects funded by state governments, public sector companies, government affiliated bodies in India, and International Development Agencies. I have demonstrated an expertise on the policy challenges faced by governments, developed reports suggesting roadmaps to overcome these challenges, and collected and analysed both quantitative and qualitative data in these projects to support research.

SKILLS

Data Management: Data Analysis, Pattern and Trend Recognition, Visualizations.

Communication: Writing, Editing, Summarizing & Formatting information.

Research: Data Science Methods, Analysing Ideas, Reading & Gathering Information.

Thematic Areas: Labour Economics, Informality, Inequality, Machine Learning

EXPERIENCE

Institute for Human Development

NEW DELHI, INDIA

Senior Research Associate

Jul 2022 to present

Worked on the India Employment Report 2023 and measurement of inequalities using Machine Learning techniques

- Extracted, Managed, and Analysed data for 8 rounds of labour force surveys conducted by the National Sample Survey Organization for the India Employment Report 2023
- Developed Machine learning models using R and Python to measure circumstance-based inequalities

Research Associate

Dec 2021 to Jul 2022

Worked on measurement of inequalities using Machine Learning techniques

- Developed Machine learning models using R and Python to measure circumstance-based inequalities

Research Assistant

Jun 2017 to Dec 2021

Worked on Development projects with State Governments and Public Sector Companies

- Uttarakhand Vision 2030 Report
 - Prepared Roadmap for the Uttarakhand government based on Sustainable Development Goals.

- Analysed and visualized data for the 16 Sustainable Development Goals as infographics, thus reducing 50% of design costs in the budget.
- Delhi Vision 2030 Report
 - Prepared Roadmap for the Delhi Government based on Sustainable Development Goals.
 - Conceptualized visualizations of the data for the 16 Sustainable Development, reduced design costs by 25%.
- Monitoring CSR projects of National Mineral Development Corporation
 - Streamlined an online geographical monitoring system for 350 CSR projects across three states in India.
 - Streamlined data collection process through a mobile application for the 350 CSR projects across 14 months.
 - Saved entire cost of hiring personnel to handle Big Data in real-time by using R.
- Changing role of Informal sector in Solid Waste Management, Research funded by Indian Council for Social Science Research
 - Prepared Policy recommendations advocating for sustainable Solid Waste Management Policy by inclusion of waste workers as stakeholders.
 - Data of 434 waste workers across three Indian states analysed and used to highlight the potential of waste workers in making the policy sustainable.
 - Highlighted environmental benefits of including waste workers in post-consumption reverse supply chains.
 - Supported research through qualitative interviews with waste workers.

I also worked for Centre for Equity Studies as a field investigator to collect baseline data in Western Uttar Pradesh.

EDUCATION

MA Development Studies: Social Justice Perspectives

Erasmus University Rotterdam

Hague, Netherlands

Aug 2015 to Apr 2017

MA Development Studies

Ambedkar University Delhi

New Delhi, India

Aug 2013 to May 2015

BA(Honours) Economics

University of Delhi

New Delhi, India

Jul 2010 to Jun 2013

PUBLICATIONS

- Endow, T., & Dhote, S. (2024). Vocational Education and Training for Youth in India. In A. Mitra (Ed.), *Youth in Indian Labour Market: Issues, Challenges and Policies* (pp. 269–290). Springer Nature. https://doi.org/10.1007/978-981-97-0379-1_14
- Mehta, B. S., Dhote, S., & Srivastava, R. (2023). Decomposition of Inequality of Opportunity in India: An Application of Data-Driven Machine Learning Approach. *The Indian Journal of Labour Economics*, 66(2), 439–469. <https://doi.org/10.1007/s41027-023-00446-5>
- Mehta, B. S., & Dhote, S. (2022). Inequality of opportunity in India: Concept and measurement. *IASSI Quaterly*, 41(1 and 2), 165–183.

CONFERENCES

- ***Global Conclave 2024: Advancing Human Development in the Global South***, January 2024, New Delhi
- ***Youth Employment Research Forum: The Dynamics of Youth Employment and its Supporting Policy Framework***, International Labour Office (ILO), December 2023, Geneva, Switzerland
- ***International Conference on Sustainable and Inclusive Urban Development in Global South: International Experiences and Future Strategies***, August 2023, New Delhi
- ***63rd Labour Economics Conference of the Indian Society of Labour Economics***, March 2023, Rajiv Gandhi University, Itanagar, Arunachal Pradesh
- ***21st Indian Association of Social Studies Institutes Conference***, Indira Gandhi Institute of Development Research, June 2022, Mumbai, Maharashtra
- ***62rd Labour Economics Conference of the Indian Society of Labour Economics***, April 2022, Indian Institute of Technology, Roorkee, Uttarakhand

ADDITIONAL INFORMATION

- Completed Summer School on Geographical Information Systems at Jawahar Lal Nehru University.
- Completed Summer School on Introduction to Data Science at London School of Economics and Political Science.
- Organised conferences for The Indian Society of Labour Economics focusing on Macro Economics and Employment, Technology and Employment, Emerging Labour Market and Employment Challenges, Gig and Platform Economy and Care Work

- Organized the Future of Work Conference sponsored by the International Labour Organization and NITI AAYOG
 - Volunteered for the PROMENA Foundation in The Hague; managed their online campaigns on social media.
-