

# Rishabh Tyagi

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## EDUCATION

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- Max Planck Institute for Demographic Research** **MPIDR**
  - *Ph.D.* 2021–present  
Research topic: Social, health & demographic consequences of technology induced job loss
- International Institute for Population Sciences, Mumbai** **IIPS**
  - *M.Phil. Biostatistics and Demography - CGPA 7.94 (Silver Medal)* 2019–2020  
**Thesis title:** Trends in Female Labour force participation in India: The role of Demographic Factors. Thesis Advisor: Prof. KS James
- International Institute for Population Sciences, Mumbai** **IIPS**
  - *M.Sc. Biostatistics and Demography* 2017–2019  
**Thesis title:** Social Security, Social Support, and their association with the Subjective Well-being for elderly in India.
- University of Delhi** **DU**
  - *B.Sc. (Honors) Mathematics* 2014–2017

## EXPERIENCE

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- Ph.D. student** **2021–present**
  - *Research Group: Labor Demography, MPI for Demographic Research & Centre for Fertility and Health, Norway*  
Research on Social, health & demographic consequences of technology induced job loss.
- Project Technical Officer** **2020–2021**
  - *ICMR NIMS (National Institute of Medical Statistics)*  
**Project title:** "Impact of COVID-19 on Maternal and Child Health Services through the public health system in India."
- Researcher** **2020–2020**
  - *IIPS Research team on COVID-19*

## CERTIFICATES

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- IIPS Silver Medal for M.Phil. Program for securing Second Rank** **2020**
  - *International Institute for Population Sciences, Mumbai*
- Statistical Inference** **2018**
  - (IIT Delhi-NPTEL) - All India Topper
- Introduction to Probability Theory & Stochastic Processes** **2018**
  - (IIT Delhi-NPTEL)

- Student Member, The Institute & Faculty of Actuaries (IFOA), UK** 2015–2017
- CT1 - Financial Mathematics
  - CT3 - Probability and Mathematical Statistics
  - CT5 - Contingencies

## **GRANTS & FELLOWSHIPS**

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- **Doctoral Grant** 2021–2024
  - *Max-Planck-Gesellschaft (MPG) support*
- **Government of India (Ministry of Health and Family Welfare) Fellowship** awarded for pursuing M.Phil. in Biostatistics and Demography in IIPS, Mumbai. 2019-2020
- **Government of India (Ministry of Health and Family Welfare) Fellowship** awarded for pursuing M.Sc. in Biostatistics and Demography in IIPS, Mumbai. 2017-2019

## **SKILLS**

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- R, Stata, SPSS;
- ArcGIS, GeoDA;
- Data science;
- Hindi (native), English (advanced), German (basic).

## **WORKING PAPERS**

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- **Tyagi, R., Dwivedi, L. K., & Sanzgiri, A. (2020).** Estimation of Effective Reproduction Numbers for COVID-19 using Real-Time Bayesian Method for India and its States. Paper: 13: IIPS Analytical Series on COVID-19.
- Bramhankar, M., **Tyagi, R.**, Pandey, M & M, Kishore. COVID 19: Real-time Forecasts of confirmed cases, active cases, and health infrastructure requirements for India and its states using the ARIMA model. Paper 16: IIPS Analytical Series on COVID-19.

## **CONFERENCE PRESENTATIONS**

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- **Eighth Annual Conference of Indian Health Economics and Planning Association (IHEPA) 2020-** Full Paper Presentation- NISER Bhubaneswar
- **Population Association of America (PAA) 2020, Virtual Conference-** Poster Presentation.
- **International Seminar on Pandemic and Population Dynamics 2021**
  - *International Institute for Population Sciences, Mumbai*