Rishabh Tyagi
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EDUCATION

Max Planck Institute for Demographic Research **MPIDR**
○ *Ph.D. Student* *2021–present*
Thesis title: Social, health & demographic consequences of technology-induced job loss.
Thesis Advisors: Dr Peter Eibich (MPIDR) & Prof. Vegard Skirbekk (CeFH, Oslo)

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

External Ph.D. student **2022-present**
○ *Department of Sociology & Human Geography, University of Oslo*

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."

CERTIFICATES

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**

o CT1 - Financial Mathematics
   CT3 - Probability and Mathematical Statistics
   CT5 - Contingencies

TRAINING

Data visualization – the art/skill cocktail, MPIDR   14.06.2021 – 18.06.2021
Instructor: Ilya Kashnitsky

Advanced Methods for Causal Inference with Observational Data   19.07.2021 - 23.07.2021
Instructors: Peter Eibich and Angelo Lorenti

Demographic Methods, **MPIDR**   01.11.2021 – 05.11.2021
Course coordinator: Alyson van Raalte

Topics in Digital and Computational Demography, **MPIDR**   08.11.2021 – 12.11.2021
Course coordinator: Emilio Zagheni

Population Health, **MPIDR**   15.11.2021 – 26.11.2021
Course coordinators: Mine Kühn & Jonas Schöley

GRANTS & FELLOWSHIPS

o **Doctoral Grant**   **2021–2025**
   Max-Planck-Gesellschaft (MPG) support

o **Government of India (Ministry of Health and Family Welfare) Fellowship** awarded for
   pursuing M.Phil. in Biostatistics and Demography in IIPS, Mumbai.   **2019-2020**

o **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

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

RESEARCH INTERESTS

Labor Demography; Causal Inference; Formal Demography; Public Health & Fertility

WORKING PAPERS

o **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.

o 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

Gender norms, time use, and partnership dissolution following involuntary job loss
1. European Population Conference 2022, University of Groningen (Netherlands), July 2022 [Oral Presentation]

2. 22nd Nordic Demographic Symposium 2022, Oslo (Norway), June 2022 [Oral Presentation]

3. 87th Annual Meeting of the Population Association of America 2022, Atlanta, GA, April 2022 [Poster]

Closing in the gender gap: the fertility consequences of job loss among women and men - a register-based study in Norway

1. 14th Giornate di Studio sulla Popolazione (PopDays) 2023, Roma Tre University, Rome (Italy), February 2023 [Oral Presentation]

2. 88th Annual Meeting of the Population Association of America 2022, New Orleans, USA, April 2023 [Upcoming Oral Presentation]

3. RC28 Paris 2023, Education and Social Inequality across the Life Course, 24-26 May 2023 Paris (France) [Upcoming Oral Presentation]

Estimation of effective reproduction numbers for COVID-19 using Bayesian method for India and its States

29th IUSSP International Population Conference 2021, Virtual, December 2021 [Oral Presentation]