POOJA ARORA

AGE and SEX	27, Female
DESIGNATION	Ph.D. Scholar, Population Studies, 3rd year
PRESENT ADDRESS	IIPS, Deonar, Mumbai-400088, India
PERMANENT ADDRESS	54/2, Ashok Nagar, Delhi-110018, India
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OBJECTIVE

To gain experience and build career in Data Analysis and its application in the Development sector. I wish to work in a competitive environment and acquire skills that shall help me to make contributions in research.

PROFILE

➢ Hands on experience in Statistical Analysis, Data handling; Proficient in applications like STATA, MS Excel.
➢ Good knowledge of Research in Public Health, Social Sciences and Demography; broad Research Design.
➢ Good verbal and written Communication in English.
➢ Currently pursuing doctoral research work on Child Undernutrition in India.

EDUCATIONAL QUALIFICATIONS

YEAR	QUALIFICATION	INSTITUTION	UNIVERSITY/ BOARD	MARKS
2019-23	Ph.D. in Population Studies	International Institute for Population Sciences, Mumbai	Ministry of Health and Family Welfare, Govt. of India	**Pursuing**
2018-19	M.Phil. in Population Studies	International Institute for Population Sciences, Mumbai	Ministry of Health and Family Welfare, Govt. of India	**7.3 CGPA**
2017-18	MPS-Master of Population Studies	International Institute for Population Sciences, Mumbai	Ministry of Health and Family Welfare, Govt. of India	**7.5 CGPA**
2014-16	M.Sc. Statistics	Amity Institute of Applied Sciences, Noida	Amity University, Noida, Uttar Pradesh	**8.2 CGPA**
2011-14	B.Sc. (Honors) Statistics	Sri Venkateswara College, New Delhi	Delhi University, New Delhi	**73%**
2010-11	XII (Science)	Sumermal Jain Public School, New Delhi	CBSE (Central Board of Secondary Education)	**92%**
2008-09	X	Sumermal Jain Public School, New Delhi	CBSE (Central Board of Secondary Education)	**78%**

Completed eCourse on Maternal, Infant, Young Child and Adolescent Nutrition (MIYCAN) organized by Centre for eLearning, Public Health Foundation of India (PHFI), January-April 2022.

WORK EXPERIENCE

Worked as a **Data Analyst Consultant, Population Council, New Delhi,** September 2016-July 2017 (approx. **10 months**), undertaking following activities:

❖ Provided technical support in the BMGF supported community mobilization project "***Evaluation of Health, Nutrition and Sanitation integration among self-help groups in Bihar and Uttar Pradesh***"
❖ Carried out sampling of villages and households using systematic, PPS & random sampling technique; Learnt about stratification in sampling; Documented sampling methodology for the study. Helped in live data monitoring for the ongoing survey; Documented different processes of quality assurance of data.
❖ Performed quantitative analysis for large longitudinal datasets in STATA, Assisted in performing Impact evaluation techniques like DID, PSM; Tabulated findings and facilitated in making presentations.
❖ Contributed in making questionnaires, IDI guidelines; Helped in Hindi translations, Making consent forms; Supported in developing data entry packages (CAPI) in CSPro;

- ❖ Wrote Minutes of the meeting held with partner organizations.
- ❖ Conducted literature review as per research needs on topics like self-help groups, ICT, Nutrition interventions and diffusion process; Gained insights on Behavior change communication, SDG indicators.
- ❖ Overall, acquired knowledge in different domains of Maternal and Child health, like RMNCH behaviors, Family planning, Women empowerment, etc.

INTERNSHIPS/DISSERTATION

1. Worked as an **Intern at Somaarth, INCLEN, New Delhi**, March-May 2016 (2 months, Full time), and completed Dissertation titled "**Household Vulnerability in rural Palwal: An imperative for chronic disease prevention**" as a part of M.Sc. Statistics course, Semester-4:
   - Performed data cleaning for Household Surveillance Data of 3 villages of Palwal district, Haryana for the ongoing project of INCLEN on Social Capital
   - Computed Wealth index and a Hygiene index using weighted-scoring method
   - Conducted Logistic Regression analysis and post hoc diagnostic tests in STATA for assessing relationship between household characteristics and chronic diseases

2. Worked as an **Intern at INCLEN, New Delhi**, May-June 2015 (2 months, Full time), and completed Project titled **"Childhood Obesity in India: Effect of Socio-economic and Biochemical markers on Total Cholesterol and Triglycerides"** as a part of M.Sc. Statistics course, Semester-2:
   - Performed data cleaning on datasets of Biochemical markers, Household characteristics, Physical Activity, Marketing and Media Behaviors for the ICMR funded project of INCLEN on Childhood obesity
   - Conducted PCA for finding SES and Logistic Regression analysis in STATA to study effect of other variables on Total Cholesterol and Triglycerides

ACADEMIC RESEARCH WORK/FIELD WORK

1. Completed Dissertation on "**Studying changes over time in Neonatal mortality in India**" using NFHS data of round 2005-06 and 2015-16 as part of M.Phil. course, January-April, 2019:
   - Studied levels, trend and pattern of neonatal mortality (NMR) in India
   - Identified determinants of neonatal deaths through bi-variate analysis, discrete hazard logistic model, PAF
   - Conducted spatial clustering and regression analysis among districts of India for round 2015-16

2. Conducted critical literature review on the topic "**Use of Spatial Interpolation and other Geo-statistical methods for assessing health scenario at local level**" as part of the M.Phil. course in October, 2018:
   - Studied spatial techniques applicable on community level assessment in demographic and health data
   - Learnt about high resolution mapping and sensitivity involved in the type of model and covariates chosen
   - Kriging technique followed by Bayesian Geostatistics emerged as two powerful tools

3. Completed term paper on "**Exclusive Breastfeeding and its association with women's status**" using NFHS data 2015-16 as part of MPS course in March-April, 2018:
   - Analysed behaviour of exclusive breastfeeding across various socio economic differentials
   - Formulated four indices capturing information related to women's status using PCA
   - Found the determinants of exclusive breastfeeding using logistic regression

4. Pursued field work as part of Research Methodology course in MPS on the topic "**Assessment of Health, Nutrition and Sanitation situation in Wakhri village, Raigarh, Maharashtra**" in March 2018:
   - Conducted literature review on VHSNCs and prepared guidelines for interviewing target respondents
   - Used qualitative interviewing techniques like Walk through observation, Social mapping, Key informant interviews, In-depth interview and focus group discussions.

CONFERENCES

- ▪ Participated in 39th Annual Conference of the **Indian Society of Medical Statistics (ISMS)** and presented orally for the paper "*Burden of Child Undernutrition in India",* held using **virtual mode,** 9-11 December 2021
- ▪ Participated in 41st Annual Conference of the **Indian Association for the Study of Population (IASP)** and presented orally for the paper "*Spatial Correlates of Neonatal Mortality in India, 2015-16",* held using **virtual mode,** 28-30 December 2020

- Participated in 17th Annual Conference of the **Indian Association for Social Sciences and Health (IASSH)** and presented poster for the paper "*Neonatal mortality in India: A closer look at the past decade",* held at **IIT Mandi**, Himachal Pradesh, in 8-10 December 2019
- Participated in 16th Annual Conference of the **Indian Association for Social Sciences and Health (IASSH)** and presented poster for the paper "*Exclusive Breastfeeding and its linkages with women's status",* held at **Jawaharlal Nehru University, New Delhi**, in 10-12 December 2018

TECHNICAL/ANALYTICAL SKILLS

- ➢ Good knowledge of MS Office (MS Word, MS Excel, MS Powerpoint) and Statistical software (STATA)
- ➢ Basic Knowledge of Statistical applications (SPSS, R-programming); GIS packages (ArcGIS, GeoDa)
- ➢ Have past experience of working on Data management software (CSPro); Qualitative analysis softwares (Nvivo, AtlasTi); Demographic Packages (MortPak, SPECTRUM); Programming languages (C, C++)

WORKSHOPS ATTENDED

- Five-day Workshop on **Advanced Survey Research: Theory and Practice** by Department of Survey Research & Data Analytics, IIPS, Mumbai, 28th March- 1st April, 2022.
- Two-day E-Workshop on **Mendeley Reference Manager** by ResearchSmiths, Delhi, 2-3 October 2021; Received official Mendeley Certification by Elsevier.
- Five-day online Workshop on **Introduction to R: Demographic and Spatial Analysis** by IIPS, Mumbai taught by faculty from MPIDR, Rostock, Germany and FIPR, Wiesbaden, Germany, 5-9 April, 2021
- 40-hr online Workshop on **Applied Econometric Methods** by IIPS, Mumbai, 29 August-28 October, 2020
- Five-day online course on **Data visualization – the art/skill cocktail,** by Max Planck Institute for Demographic Research, Rostock, Germany, 13-17 July, 2020
- Two-day online Workshop on **Systematic Review and Meta Analysis**, organized by Biostatistical Consultancy Centre, Kerela, 20-21 June, 2020
- Five-day Data Users Training Program on **Large Scale Sample Survey** at IIPS, Mumbai, 17-22 Feb, 2020
- Two-week AICTE Sponsored Faculty Development Program (FDP) on **Multivariate Data Analysis** organized by Guru Nanak Dev Engineering College, Ludhiana, 11-24 December, 2019
- Three-day Workshop on **Multilevel Modelling in Health Research using STATA,** organized by National Institute of Medical Statistics (NIMS), ICMR, New Delhi, 24-26 July, 2019

ACADEMIC ACHIEVEMENTS

- Awarded **Government of India NET fellowship** for pursuing Ph.D. at IIPS, Mumbai, 2019-2023
- **Qualified NTA UGC-NET** in Population Studies in June 2019
- Received **Government of India fellowship** for pursuing M.Phil. and MPS at IIPS, Mumbai in 2017-19
- **Topped Science Stream** in Class XII and got **Second position** in Class XI
- Won scholarship in Class X, from Rashtriya Sanskrit Sansthan, New Delhi

EXTRA-CURRICULAR ACTIVITIES

- **Working** as a Student Representative in **Placement cell** of IIPS, Mumbai, from August 2021-present.
- **Participated and volunteered** in a grand online event, **IIPS Global Alumni Meet,** 24-26 September, 2021.
- **Volunteered in organizing** events of Department of Statistics, Entrepreneurship cell and Social Service Society of Sri Venkateswara College, 2011-14
- **Took part** in sports like kabaddi, football, quizzes, dancing, singing, rangoli at college and school level
- Worked in school as **Student Council Member and Class Prefect**, 2010-11

MEMBERSHIP OF PROFESSIONAL FORUMS

International Union for the Scientific Study of Population (IUSSP)

LANGUAGES KNOWN

Hindi, English