

Abhishek Singh

Assistant Professor

Experience

Academic Positions

Nov, 2015 – **Assistant Professor (Grade-II)**, *Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.*

Industry Positions

July, 2014 – **Program Officer**, *The INCLEN Trust International, New Delhi, India.*
Nov, 2015

June, 2014 – **Junior Program Officer**, *The INCLEN Trust International, New Delhi, India.*
July, 2014

Nov, 2012 – **Bio-Statistician**, *The INCLEN Trust International, New Delhi, India.*
Mar, 2014

Education

July, 2014 **PhD in Population Studies (Statistics)**, *International Institute for Population Sciences, Mumbai, India.*

June, 2008 **MPhil in Population Studies (Statistics)**, *International Institute for Population Sciences, Mumbai, India.*

June, 2006 **MSc in Statistics**, *Aligarh Muslim University, Aligarh, India.*

June, 2004 **BSc(Hons) in Statistics**, *Aligarh Muslim University, Aligarh, India.*

Research Interests

Time Series Modeling, Statistical Computing, Parametric Inference, Public Health

Publications

1. Singh, A. (2021). Ambient air pollution and COVID-19 in Delhi, India: a time-series evidence. *International Journal of Environmental Health Research*, advance online publication. <https://doi.org/10.1080/09603123.2021.1977258>
2. Singh, A., & Jain, K. (2021). Association of child survival with birth size and mother's BMI: a human right approach. *International Journal of Human Rights in Healthcare*, advance online publication. <https://doi.org/10.1108/IJHRH-01-2021-0008>

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3. Singh, A. (2021). Ambient air pollution and COVID-19 in National Capital Territory of Delhi, India: a time-series evidence. *medRxiv*. <https://doi.org/10.1101/2021.06.04.21258376>
4. Singh, A., & Hasija, S. (2021). Modeling and forecasting life expectancy in India: A systematic approach. *Communications in Statistics: Case Studies, Data Analysis and Applications*, 7(2), 200–214. <https://doi.org/10.1080/23737484.2020.1869630>
5. Patel, S., Agrawal, G., Mathew, B., Patel, S., Mohanty, B., & Singh, A. (2020). Climate change and women in South Asia: a review and future policy implications. *World Journal of Science, Technology and Sustainable Development*, 17(2), 145–166. <https://doi.org/10.1108/WJSTSD-10-2018-0059>
6. Singh, A., & Patel, S. (2017). Gender differentials in feeding practices, health care utilization and nutritional status of children in Northern India. *International Journal of Human Rights in Healthcare*, 10(5), 323–331. <https://doi.org/10.1108/IJHRH-05-2017-0023>
7. Singh, A., Arokiasamy, P., Pradhan, J., Jain, K., & Patel, S. (2017). Sibling-and family-level clustering of underweight children in Northern India. *Journal of Biosocial Science*, 49(3), 348–363. <https://doi.org/10.1017/S0021932016000390>
8. Gupta, N., Verma, S., Singh, A., Tandon, N., Puri, S., & Arora, N. (2016). Adaptation of locally available portion sizes for food frequency questionnaires in nutritional epidemiological studies: How much difference does it make? *Indian Journal of Community Medicine*, 41(3), 228–234. <https://doi.org/10.4103/0970-0218.183596>
9. Kumar, D., & Singh, A. (2011). Recurrence relations for single and product moments of lower record values from modified-inverse Weibull distribution. *General Mathematics Notes*, 3(1), 26–31.

FDP Conducted

- Dec, 2019 Short Term Course on Statistical Techniques using R Software (STCSTR–2019). Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.
- Oct, 2018 Short Term Course on Applications of LaTeX (LaTeX–2018). Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.
- Nov, 2017 Workshop on Applications of Statistical Techniques using Various Softwares (WASTVS–2017). Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.
- Oct, 2017 Short Term Training Programme on Statistical Techniques using SPSS for Engineers & Researchers (STPSTS–2017). Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.
- Sep, 2017 Short Term Course on Applications of LaTeX (LaTeX–2017). Department of Mathematics and Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.

Talks

Invited Talks

- Nov, 2020 Time Series Analysis: ARIMA Model. Department of Mathematics & Scientific Computing, NIT Hamirpur, Himachal Pradesh, India.

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- Oct, 2019 Introduction to Statistical Inference. Department of Mathematics, Jawaharlal Nehru Government Engineering College, Sundarnagar, Mandi, Himachal Pradesh, India.
- July, 2019 Learning in R: Optimization and Linear Regression. National Workshop on Innovative Techniques of Characterization, Optimization and Data Analysis (ITCOD-2019), Department of Applied Sciences, Chitkara University, Chandigarh, India.
- June, 2019 Reliability & Validity of Measurements. National Workshop on Research Methodology and Data Analysis (RMDA-2019), Department of Humanities, NIT Hamirpur, Himachal Pradesh, India.
- June, 2016 Linear Regression: Its Application to Indoor Air Quality of Buildings. Short Term Course on Indoor Air Quality of Buildings: Theory and Simulations, Department of Mechanical Engineering, NIT Hamirpur, Himachal Pradesh, India.
- Oct, 2016 Introduction of Hypothesis Testing. Department of Mathematics, Jawaharlal Nehru Government Engineering College, Sundarnagar, Mandi, Himachal Pradesh, India.
- Mar, 2014 Introduction to Biostatistics. Department of Clinical Research, Jamia Hamdard University, New Delhi, India.

Contributed Talks

- June, 2020 Indian summer monsoon rainfall prediction: a comparison of ARIMA and ANN models. virtual International Statistical Ecology Conference 2020, Sydney, Australia.
- Mar, 2011 Linkages between Nutritional Status of Children and Childhood Morbidities and their Treatment Seeking Behaviour in Uttar Pradesh. National Conference on Statistical Inference, Sampling Techniques and Related Areas, Aligarh Muslim University, Aligarh, Uttar Pradesh, India.
- Jan, 2011 Nutritional Status of Children in Uttar Pradesh: Levels, Trends and Determinants. Bhopal Seminar 2011, Bhopal, Madhya Pradesh, India.
- Dec, 2010 Estimation of Infant and Child Mortality from Two Enumerations of a Destabilized Population Subject to Response Biases in Age-Reporting with Application of Indian Age-Data. International Conference on Development and Applications of Statistics in Emerging Areas of Science & Technology along with XX Annual Convention of Indian Society for Probability and Statistics, Jammu University, Jammu & Kashmir, India.
- Mar, 2008 Contraceptive Behavior, Unmet Need and Intentions to Use Family Planning Method among Women in Uttarakhand. National Seminar on Population, Environment and Development in Uttarakhand, Dehradun, Uttarakhand, India.

Professional Affiliation

Life time member of the Indian Association for the Study of Population (IASP), New Delhi

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