CURRICULUM VITAE

AJEET KUMAR SINGH
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EDUCATIONAL QUALIFICATION

- 2016, Ph.D in Statistics from Banaras Hindu University, Varanasi, India.
- 2009, M.Sc in Statistics from Udai Pratap Autonomous College, Varanasi.
- 2007, B.Sc in Physics Mathematics & Statistics from Udai Pratap Autonomous College, Varanasi.
- 2004, Intermediate in Maths Group from S. K. Inter College, Basani Varanasi.
- 2002, Matriculation in Science Group from S. U. B. Aadarsh Inter College, Harahua Varanasi.

TOPIC OF MY RESEARCH

- Estimation of Population Mean with Adjustment of Survey Non-Response.

TEACHING EXPERIENCE

1. I have six months teaching experience in Department of Statistics, Banaras Hindu University Varanasi.
2. I have one year teaching experience in Department of Statistics, Central University of Rajasthan, Bandarsidari, Rajasthan.
3. One year and 03 months teaching experience in the Department of Statistics, University of Rajasthan, Jaipur.

INTEREST AREA(S)

- Sampling Theory, Statistical Inference, Probability Distributions.

ACHIEVEMENTS

- Gold Medal in M.Sc.
- Qualified Common Research Entrance Test **(CRET)** June, 2011 in Banaras Hindu University, Varanasi.
- Qualified UGC-NET, exam in December, 2013 and 2014.
- Awarded UGC-BSR fellowship in August, 2014.

CONFERENCES/ SEMINARS ATTENDED

1. National Conference on "Bayesian Statistics & Its Emerging Applications (BSEA)" (9-10 Dec, 2011) organized by DST-Centre for Interdisciplinary Mathematical Sciences (DST-CIMS), BHU, Varanasi.

2. National Seminar on "New Dimensions in Statistics: Concepts and Issues(NDSCI- 2012)" March (02-04),2012, organized by Department of Statistics and DST-Centre for Interdisciplinary Mathematical Sciences (DST-CIMS), BHU, Varanasi.

3. 21st International Conference of FIM (15-17) December, 2012, Department of Statistics, Panjab University, Chandigarh, India.

4. ISBA Regional meeting &International Workshop/Conference on Bayesian Theory and application 6-10, January, 2013, DST, Centre for Interdisciplinary Mathematical Sciences and Department of Statistics Banaras Hindu University Varanasi, India.

PAPERS PRESENTED IN CONFERENCES/ SEMINARS

1. *Paper entitled* " Improved Estimators of the Population mean for Missing data" presented at the Conference on Recent Advances in Mathematical Statistics and Its Applications in Applied Sciences**,** December 31, 2012, January 1-2, 2013, organized by Department of Statistics, Guwahati University, (UGC(SAP) DRS-1 and FIST (DST) Sponsored Dept.), in collaboration with Indian Statistical Institute, Kolkata.

2. *Paper entitled* "Exponential Type Compromised Imputation in Survey Sampling" presented at the Conference on "Recent Trends in Mathematics & Statistics" (CORTMAS-July 27-28, 2013) in DDU Gorakhpur University, Gorakhpur.

3. *Paper entitled* "Estimation of Mean under Imputation of Missing data using Exponential Type estimator in two – phase Sampling" presented at the National

Conference on Recent Advances in Statistics and Applications (RASA), November 15-17, 2013, School of Studies in Statistics, Pt. Ravishankar Shukla University, Raipur.

4. ***Paper entitled*** "Estimation of Mean under Imputation of Missing data in two-phase Sampling" presented at the 67th Annual Conference of Indian Society of Agricultural Statistics (ISAS), December (18-20), 2013.

5. ***Paper entitled*** "Imputation by Power Transformation" presented at the conference on "11th National Conference of ISMAMS on Role of Mathematical Sciences and Science and Technology" to be held on 21-22" (ISMAMS-2014) in DDU Gorakhpur University, Gorakhpur.

6. ***Paper entitled*** "Imputation of Missing data using Chain- Type estimator" presented at RASMSA (04-06) October -2014, Department of Statistics, Kumaun University, Uttarakhand.

7. ***Paper entitled*** "Imputation Methods of Missing data for estimating the Population Mean using Simple Random Sampling" presented at National Conference of ISMAMS (20-21) Feb - 2015, Department of Mathematics and Statistics, D.D.U. Gorakhpur University, Gorakhpur.

8. ***Paper entitled "***Estimation of Mean with Imputation of Missing data using Exponential-Type estimator Estimators" presented at National Conference on Time Series, Analytics and Recent Advances in Statistical Modelling (NCTAS-2015), 24-25 August, 2015, Department of Statistics, Central University of Rajasthan, Rajasthan, India.

9. ***Paper entitled "***Model - Based Study of a Class of Ratio-Type Estimators in Presence of Non- response" presented at National Seminar on use of Statistics in Industry and Corporate World, 25-26, October, 2015, Department of Statistics, Faculty of Science, Banaras Hindu University, Varanasi, India.

10. ***Paper entitled "***Model - Based Study of Families of Exponential-Type Estimators in Presence of Non- Response" Presented at International conference on Statistics and related Areas for Equity, Sustainability and Development (SRAESD-2015), 28-30, November 2015, Department of Statistics, University of Lucknow, Lucknow, India.

11. ***Paper entitled "***Investigating the properties of a family of estimators under model approach in presence of Non-Response" presented at 2nd National conference on Statistics for Humanities and Social Sciences (September 4-5, NCSHS-2018) under the theme of STATISTICS FOR A BETTER FUTURE at Department of Lifelong Learning, University of Rajasthan, Jaipur, Rajasthan.

12. **Paper entitled** "Estimation of Population Mean with Imputation of Missing data using Families of Exponential-Type Estimators" presented at 4th National conference on Statistics for Sciences, Social Sciences and Humanities (March1-2, NCSSSH-2021) under the theme of STATISTICS FOR GOOD GOVERNANCE at Department of Lifelong Learning, University of Rajasthan, Jaipur, Rajasthan.

TRAINING PROGRAMS/ WORKSHOPS ATTENDED

1. National workshop on "Multivariate Analysis: Matrix Methods" (28th Nov. 2011 to 3rd Dec. 2011, one week) organized by DST-Centre for Interdisciplinary Mathematical Sciences (DST-CIMS), BHU, Varanasi.

2. One week (19-24 March-2012) "Latex Training Programme" organized by DST- Centre for Interdisciplinary Mathematical Sciences (DST-CIMS), BHU, Varanasi.

3. Workshop on "Probability and Fractional Calculus" (January 25-february 02), 2013, DST, Centre for Interdisciplinary Mathematical Sciences and Department of Statistics Banaras Hindu University Varanasi, India.

4. Workshop on "a Short Course on Introduction to Bayesian Statistical Modelling" (January 27-31, 2014) DST Centre for Interdisciplinary Mathematical Sciences (CIMS) &Department of Statistics, Faculty of Science, Banaras Hindu University, Varanasi-221005.

COMPUTER KNOWLEDGE

➢ Knowledge of Internet, Statistical Package SPSS, Microsoft office, Excel, Latex, R-software.

PUBLICATION(S)

1. **Singh, A.K.**, Singh, Priyanka, and Singh. V. K. (2014): Exponential- Type Compromised Imputation in Survey Sampling, *J. Stat. Appl. Pro*. Vol -3, Issue No. 2, PP. 211-217.

2. **Singh, A.K.**, Singh, Priyanka and Singh, V. K. (2014): Imputation Methods of Missing data for estimating the Population Mean using Simple Random Sampling, *Global Journal of Advanced Research.* Vol-1, Issue No -2, PP. 253-263.

3. Singh, Priyanka, **Singh, A. K.** and Singh, V. K. (2015): On the Use of Compromised Imputation for Missing data using Factor-Type Estimators. *J. Stat. Appl. Pro. Lett.* Vol-2, Issue No. 2, PP.1-9.

4. Singh, Priyanka, **Singh, A. K.** and Singh, V. K. (2015): Estimation of Population

Mean under Non-Response using various Imputation Methods for Stratified Population. *Journal of Advance Computing*, Vol-4 Issue No.3, PP.112-122.

5. **Singh, A. K.,** Singh Priyanka, and Singh. V. K. (2016): Estimation of mean under Imputation of Missing data using Exponential-Type Estimator in Two-Phase Sampling, *International Journal of Statistics and Economics,*Vol.17, Issue No.1, PP.73-81.

6. **Singh, A.K.,** Singh, Singh, K. Rajwant and Thaker, K. Mukesh (2016): Improved Estimators of Population Mean for Missing Data in Simple Random Sampling. *Imperial Journal of Interdisciplinary Research,* Vol-2, Issue No-8, PP.677-683.

7. **Singh, A.K.**, Singh, Priyanka and Singh, V. K. (2016): Estimating mean under non-response in two-phase sampling for negative correlated data, *International Journal of Mathematics and Statistics,* Vol.-17, Issue No-2, PP.75-84.

8. **Singh, A. K.** (2017): Improved Estimators of Population Mean for Missing data in Stratified Random Sampling. *International Journal of Mathematics and Computation,* Vol.28 Issue No.3, PP. 82-93.

9. **Singh, A. K.**, Singh, Priyanka, and Singh. V. K.(2016): Model Based Study of Families of Exponential Type Estimators in Presence of Non-Response, in *Communications in Statistics – Theory and Methods*, Vol -46, Issue No.13, PP. 6478-6490.

10. Singh, Priyanka, **Singh, A. K.** and Singh, V. K. (2016): On the Use of Chain –Type Estimator in Compromised Imputation under Two- Phase Sampling, in *International Journal of Statistics and Economics,* Vol-18 Issue No.-1, PP.39-51.

11. Kumar, Abhishek, **Singh, A. K**., Singh, Priyanka, and Singh. V. K. (2017): Estimation of Population Mean using Auxiliary Attribute through Factor Type Estimator in *International Journal of Statistics and Economics*, Vol-18 Issue No-4, PP.97-102.

12. Kumar, Abhishek, **Singh, A. K.,** Singh, Priyanka, and Singh. V. K. (2017): A class of Exponential Chain Type Estimator for Population mean with Imputation of Missing data Under Double Sampling Scheme in *Journal of Statistics. Application and Probability,* Vol-6 Issue No-3, PP. 479-485.

13. Singh, Priyanka, Singh, A. K. and Singh, V. K. (2018): On the adjustment of Non-response through Imputation for estimating current Mean in repeated surveys in *Statistica* Vol. 78, Issue No. 3, PP.1-18.

14. **Singh, A. K.,** Raj pal, Soni, Kapil and Kumari, Amrita (2018): Improved Estimators for Population Mean using Two Auxiliary Variables in Missing Data in *International Journal of Essential Science* Vol.12 Issue No.1&2, PP.1-13.

15. Kumar, Abhishek**, Singh, A. K**., and V. K. Singh (2019): Investigating the

performance of a family of exponential-type estimators in presence of measurement error in *Communications in Statistics – Theory and Methods*, Vol-49, Issue No-23, PP. 1-20.

16. Singh, Priyanka, **Singh, A. K.** and Singh, V. K. (2020): A Super Population Model approach to Imputation for Estimating Population Mean in *Journal of Modern Applied Statistical Methods* (Accepted).

17. **Singh, A. K**., Singh, Priyanka, Kumar, Abhishek, and Singh. V. K. (2021): On the Adjustment of Non-Response through Imputation for estimating the Population Mean in Stratified Population in *International Journal of Tomography & Simulation* Vol. No-34**,** Issue No. 2, PP.38-50.

18. Joshi, Vohita, Nagar, Pankaj, **Singh, A. K.**, Gupta, P.C.(2021): Use of Ratio Method of Estimation in Incomplete frames in *International Journal of Agricultural and Statistical Sciences* Vol.17 Issue.No-1(Accepted).

PERSONAL DETAILS

- ➢ Father   Shri Yogesh Kumar Singh
- ➢ Nationality & Religion   Indian, Hindu.
- ➢ Caste   General
- ➢ Date of birth   02/07/1988
- ➢ Marital status   Married.
- ➢ Sex   Male.
- ➢ Language Proficiency   Hindi & English.
- ➢ Strengths   Hardworking & Self Confidence

Declaration: I hereby declare that the above given information are true and correct to the best of my knowledge and belief.

Place: Delhi

Date: 05/04/2021   AJEET KUMAR SINGH