

Curriculum Vitae

Dr. Akash Asthana

Office Address:

Assistant Professor,
Department of Statistics,
University of Lucknow,
Babuganj,
Lucknow-226007

Education

Ph. D.: Awarded in 2013.

Topic: Statistical methods in measurement scale

Supervisor: Prof. G. G. Agarwal

Awards and Fellowships

1. Qualified National Eligibility Test (NET) for lectureship and junior research fellowship (JRF) conducted by Council for Scientific and Industrial Research (CSIR) and University Grant Commission (UGC) jointly in 2006.
2. Bronze Medal from Lucknow Christian Degree College in B. Sc. 2nd year and 3rd year.

Work Experience:

- Currently working as Assistant Professor in Department of Statistics, University of Lucknow, Lucknow from January 19, 2016.
- Worked as project fellow in Department of Statistics, University of Lucknow, Lucknow from Feb 14, 2013 to January 18, 2016.
- Worked as Assistant Professor (contract basis) in Department of Statistics and Operations Research, Kurukshetra University, Kurukshetra from Oct 10, 2011 to May 7, 2012.

Administrative Assignments/Duties:

1. Member of checking squad for examination for the examinations	March-April 2016, March-April 2019, December 2019
2. Assistant Superintendent Examination for PG exam of Statistics Department	Dec. 2016, May 2017, Dec. 2017, May 2018, Dec. 2018, May 2019,
3. Deputy Coordinator, University of Lucknow Admissions	Sessions: 2016-17, 2017-18, 2018-19, 2019-2020
4. Additional Coordinator, University of Lucknow Admissions	Session: 2020-2021
5. Assistant Coordinator for UP JEE B.Ed.	Session: 2017-18
6. Deputy Coordinator for UP JEE B.Ed.	Sessions: 2018-19, 2021-22

Publications: (17)

1. *Discriminant Analysis: Classification of Hard Core and Petty Criminal on the Basis of anthropometric Measurements*, Bioscience Trends, 2010, Vol. 4, No. 5 Impact Factor 1.58
2. *Development and Validation of a Questionnaire to Evaluate Association of Tobacco Abuse With Oral Submucous Fibrosis*, Asia Pacific Journal of Public Health, published online on Dec 22, 2011 Impact factor 1.057

3. *Odds ratio of risk factors for oral submucous fibrosis in a case control model*, British Journal of Oral and Maxillofacial Surgery, 2013, Vol. 51 pp: e169-e173. Impact Factor 2.717
4. *Classification of hard core and petty criminals on the basis of their adolescent life*, presented in National Conference on recent advances in statistical and mathematical sciences and their applications, 2014.
5. *Effect of Pneumonia Drugs on Children Aged Between Two Months to Five Years*, Published as proceeding of National Conference on recent advances in statistical and mathematical sciences and their applications, 2015.
6. *Survival Analysis: Identification of Improvement in Condition of Tuberculosis Meningitis Patients*, Published as proceeding of National Conference on recent advances in statistical and mathematical sciences and their applications, 2015.
7. *Oral Methotrexate in split dose weekly versus oral or parenteral Methotrexate once weekly in Rheumatoid Arthritis: a short-term study*, International Journal of Rheumatic Diseases, 2016, pp: 1010-1017.
8. *Development and validation of instrument to assess the attitude of Healthcare worker towards bio-medical waste management*, Indian Journal of Scientific Research, 2017, pp:248-254
9. *An epidemiological survey in hospital setup in Lucknow district: A cross-sectional study*, National journal of Maxillofacial Surgery, 2017, pp:173-177
10. *Does long term colchicine prevent degradation of collagen fiber network in osteoarthritis?*, International Journal of Rheumatic Diseases, 2017, pp:01-04(published Online).
11. *Intraguild interactions between five congeneric species of Thaparocleidus (Monogenoidea) from the freshwater shark Wallago attu, Lucknow, India*, Journal of Helminthology, 2017, pp:718-725.
12. *Osteoporosis in Postmenopausal Females with Primary Knee Osteoarthritis in a Vitamin D Deficient Population*, Journal of The Association of Physicians of India, 2017, pp:26-29.
13. *Serum level of orexin-A, leptin, adiponectin and insulin in north Indian obese women, Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 2017, pp:S1041-S1043
14. *Post-stroke Visual Gait Measure for Developing Countries: A Reliability and Validity Study*, Neurology India, 2019, pp:1033-1040.
15. *Application of two interesting statistical tools, used in differentiation of closely related species of cornudiscoides kulkarni, 1969 (platyhelminthes: monogenoidea: dactylogyridae)*, Uttar Pradesh Journal of Zoology, 2020, pp:143-156
16. *CAPM: A comparison of models using different window size*, Proceedings of AIMT Conofenr ence (Virtual) Interdisciplinary Research in Applied Mathematics, Management and Technology, 2021, pp: 95-100
17. *Comparison of classical test theory and item response theory in the discrimination of hard core and petty criminals*, Journal of applied statistics and machine learning, 2022, pp: 1-13

Chapters in Books: (2)

1. *A comparison of CAPM models using QR, GMM and GARCH*, Recent Research in Mathematical, Statistical and Computational Sciences, pp: 30-38, MKSES Publisher, India
2. *Estimating and Forecasting Volatility in the Indian Stock Market*, Applied Research Development in Statistical and Computational Sciences, pp:63-81, MKSES Publisher, India.

Workshops/Seminars/Conferences Organized: (3)

1. Three-Day International Online Workshop on Data Analysis Using Python, July 31 to August 02, 2020
2. One Week Online Hands on Training Program on SPSS, July 15, 2020 to July 21, 2020.
3. Seven Days' Workshop on Data Analytics Using SPSS, February 19, 2019 to February 25, 2019.

Workshops/Seminars/Conferences paper presented/attended: (15)

1. *Conference on Advancements in Interdisciplinary Research (ICAIR-2021)*, October 26-28, 2021, Organized jointly by Shia P.G. College, Lucknow and Science Tech Institute, Lucknow.
2. *National Conference on Advancements in Interdisciplinary Research (NCAIR-2021)*, July 29-31, 2021, Organized jointly by Amiruddaula Islamia Degree College, Lucknow and Science Tech Institute, Lucknow
3. *AIMT summer conference (Virtual) on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT)*, June 20-21, 2021, organized by American Institute of Management and Technology (AIMT), USA.
4. *Emerging trends in Statistics and Data Sciences*, Organized by Ramanujan College, Delhi University, New Delhi in 2019.
5. *Recent trends of computing in Mathematics, Statistics and Information Technologies - 2018*, March 09-11, 2018, Dept. Of Mathematical Sciences and Computer Applications, Bundelkhand University Jhansi.
6. *International Conference on Statistics and Related Areas for Equity, Sustainability and Development*, November 28-30, 2015, Department of Statistics, University of Lucknow.
7. *National Conference on recent advances in statistical and mathematical sciences and their applications*, Oct. 4-6, 2014, Department of Statistics, Kumaun University, SSJ Campus, Almora.
8. Seminar on awareness of official statistical system in India and career prospects, Nov. 23, 2013, Department of Statistics, University of Lucknow, Lucknow
9. Workshop on population data Census 2011, Oct. 9, 2013, Department of Statistics, University of Lucknow, Lucknow
10. National workshop on data analysis using SPSS, Sep 21-22, 2012, Department of Statistics and Operation Research, Kurukshetra University, Kurukshetra
11. National seminar on recent trends in official statistics, Department of Statistics, University of Lucknow, Lucknow.
12. Fundamental of Biostatistics and SPSS, May 26-30, 2008 Department of Biostatistics, Christian Medical College Vellore.
13. Clinical Trials, Diagnostic Tests and Cluster Design, June 2-6, 2008, Department of Biostatistics, Christian Medical College Vellore.
14. Logistic Regression and Survival Analysis, June 9-13, 2008, Department of Biostatistics, Christian Medical College Vellore.
15. Statistical Analysis System (SAS), June 16-21, 2008, Department of Biostatistics, Christian Medical College Vellore.

Research Interests :

- Biostatistics.
- Psychological and Educational Statistics.
- Time Series Modeling.
- Applications of Statistics in Applied Fields

Computing Skills:

- MS-Office (MS-Word, MS-Excel, MS-Power Point),
- SPSS,
- SAS,
- R
- STATA.