Dr. Vikas Singh

Department of Statistics
School of Mathematics, Statistics and Computer Science
Central University of South Bihar
SH-7, Gaya Panchanpur Road, Village – Karhara, Post - Fatehpur, Gaya – 824236 (Bihar)
Email: singhvikascusb@gmail.com/vikassingh@cusb.ac.in
Contact No.- +91-7903670967/8765003280

Career Objective

I am seeking a challenging position in the statistical field, quantitative techniques, and high-quality research where I can make a significant contribution using the knowledge and experience I will gain. To learn more and acquire new skills to give the organization my best efforts.

Work Experience

➢ As an Intern on Official Statistical System from 17th June to 16th August 2013 at Data Processing Division, National Sample Survey Office, "Ministry of Statistics & Programme Implementation". Work included data collection and data entry, data analysis, and report making using MS-Excel and SPSS for national survey including land and livestock, household etc.

➢ Submitted a project report on "Reservation (Caste) System in India-It's Abuses & Benefits" to Department of Statistics, Banaras Hindu University towards partial fulfilment of Master degree in Statistics under supervision of Prof. V. K. SINGH, Department Of Statistics, Banaras Hindu University (BHU).

➢ As a Guest Lecturer (Business Statistics) at Shree Ram PG. College of Commerce and Education, Varanasi, from April 2014 to June 2015.

➢ Currently working as an Assistant Statistical Officer, Govt. of U.P.

Educational Qualification

➢ **DOCTOR OF PHILOSOPHY (STATISTICS)**
2016 - 2022 | Department of Statistics, Central University of South Bihar, India.
Title of Thesis: Some Contributions to Clustering and Its Applications.
Supervisor: Dr. Mukesh Kumar

- ➤ **MASTER OF PHILOSOPHY (STATISTICS)**
  2015 - 2016 | Department of Statistics, Central University of South Bihar, India.
  Title of Thesis: Spatial Analysis of Crimes using Scan Statistics.
  Supervisor: Dr. Mukesh Kumar
  Division – I.

- ➤ **MASTER OF SCIENCE**
  2012 - 2014 | Department of Statistics, Banaras Hindu University, Varanasi, India.
  Subject: Statistics.
  Division - I.

- ➤ **BACHELOR OF SCIENCE**
  2009 - 2012 | Udai Pratap Autonomous College, Varanasi, India.
  Subject: Statistics, Physics and Mathematics.
  Division - I.

Area of Interest

Multivariate Statistical Analysis, Applied Statistics, Sampling, Statistical Inference, etc.

Courses Taught

Lab classes of M.Sc. (Statistics)

Teaching Interest

Descriptive Statistics, Multivariate Statistical Analysis, Data Mining, Statistical Inference (Classical & Bayesian), Sampling, etc.

Research Work Publication

- ➤ Mukesh Kumar, Vikas Singh and Arun Kumar Sinha (2017): Spatial Crime Hotspots for Crime against Body. In Book Titled "*Application of Statistical and Computational Software", Common Ground Publication USA.*
- ➤ Mukesh Kumar, Vikas Singh and Arun Kumar Sinha (2018): Identification of Crime Hot-Spots with reference to Crime against Children, Women and Senior Citizen in Uttar Pradesh, India. *International Journal of Agricultural and Statistical Sciences*, Vol.13, No.2, 187-197.
- ➤ Mukesh Kumar, Vikas Singh and Arun Kumar Sinha (2018): Spatial Analysis of Crime Hotspots using Scan Statistics. *International Journal of Essential Sciences*, Vol. 12, No.1&2, 81-90.

- Vikas Singh and Alka Singh (2019): Analysis of agriculture data using principal component analysis. *International Journal of Multidisciplinary Research and Development*, Vol. 6, No.12, 34-37.
- Vikas Singh and Mukesh Kumar (2020): Cluster Detection through Model Based Clustering Approach. *International Journal of Applied Mathematics and Statistics*, Vol. 59, No. 1, 55-62.
- Vikas Singh and Mukesh Kumar (2020): Identifying Crime Cluster through Model Based Clustering. *International Journal of Agricultural and Statistical Sciences*, Vol.16, No.2, 851-856.
- Vikas Singh and Mukesh Kumar (2021): Identifying Rainfall Diversity through Clustering. *International Journal of Ecological Economics and Statistics*, Vol.42, No.2, 1-13.
- Vikas Singh and Mukesh Kumar (2022): Spatial Analysis of Corona Virus (COVID-19) Disease. *International Journal of Agricultural and Statistical Sciences (Accepted in Vol.18, No.1).*

Workshop/Training Attended

- 22-26 Feb-2016: Attended Workshop on Computational Statistics to be held at Indian Statistical Institute, Kolkata, India.
- 19-22 Nov-2016: Attended National Workshop on Learning Statistical Techniques with SPSS to be held at Department of Statistics, Patna University, Bihar, India.
- 19-23 March-2018: Attended National Workshop on Statistical Techniques and Data Analysis using R to be held at Department of Statistics, Central University of Haryana, Mahendergarh, India.
- 12 Aug-2018: Attended Data Analytics Conclave-II to be held at Goel Institute of Tech & Mgmt. (GITM), Lucknow, India in collaboration with Department of Statistics, Lucknow University.
- 10-15 Mar-2019: Attended Workshop on Data Analytics to be held at Indian Statistical Institute, Kolkata, India.
- 26-28 April-2019: Attended Workshop on Application of STATA and EVIEWS packages for analysis of Socio-Economic Data to be held at Central University of South Bihar, Gaya, India.
- 4-9 Sep-2021: Attended Five Day National Level Workshop on Recent Advancement in Research Methodology organized by IQAC & Department of Mathematics, Statistics and Computers of Narsee Monjee College of Commerce & Economics, Mumbai, India.

Conferences/Seminar

- 25-26 Oct-2015: Attended National Seminar on Use of Statistics in Industry and Corporate World (NSSICW) to be held at Banaras Hindu University, Varanasi.
- 22-24 Dec-2016: Presented a paper entitled "Identification of crime Hotspots with reference to crime against Children, Women and Senior Citizens in Uttar Pradesh, India" in the 25th Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2016- FIM XXV) organized by Department of Mathematics and Statistics, Manipal University, Jaipur, India.
- 14-17 Dec-2016: Presented a paper entitled "Spatial Analysis of Crime Hotspots in Bihar, India" in the International Conference of The Indian Mathematics Consortium (TIMC) in cooperation with American Mathematical Society (AMS) held at DST-Centre for Interdisciplinary Mathematical Science, Banaras Hindu University, Varanasi, India.
- 24-26 Jan-2017: Presented a paper entitled "Detecting Crime Hotspots in Uttar Pradesh through Scan Statistics" in the International Conference on Computational Mathematics and Statistics, organized by the Department of Mathematics and Statistics, Banasthali University, India, and co-organized by the Department of Mathematics, University Putra Malaysia.
- 30-31 March-2017: Presented a paper entitled "Spatial Crime Hotspots for Crime against Body" in the National Seminar on Application of Scientific and Statistical Software in Research, organized by School of Sciences, Uttar Pradesh Rajarshi Tondon Open University, Allahabad, India.
- 29-30 April-2019: Presented a paper entitled "Cluster Detection through Model Based Clustering Approach" in the International Conference on Biological Research and Bio-Statistics, organized by School of Sciences, Uttar Pradesh Rajarshi Tondon Open University, Allahabad, India.
- 21-23 Dec-2019: Presented a paper entitled "Crime Analysis through Model Based Clustering" in the International Conference on Recent Advances in Statistics and Data Science for Sustainable Development in Conjunction with XXXIX Annual Convention of Indian Society for Probability and Statistics (ISPS), organized by Department of Statistics, Utkal University, Bhubaneswar, Odisha, India.

Association with Societies

- Life member: Indian Society of Probability of Statistics (ISPS)
- Student member: Bernoulli Society

Soft Skill

- Documentation
- Event planning and coordination

- ➢ Presentation and Public Speaking
- ➢ R-Studio,
- ➢ SPSS, MINITAB,
- ➢ MS Office

Personal Skill

- ➢ Positive Attitude, Determined, High Energies
- ➢ Hard Working, and Sincere
- ➢ Good decision making and analytical skills
- ➢ Able to handle people in a very efficient way

Personal Detail

Name: Dr. Vikas Singh
Father's name: Rajesh Singh
D.O.B.:   24/11/1991
Gender: Male
Nationality: Indian
Marital Status: Married
Address: 269, Munari, Varanasi-221104, Uttar Pradesh (UP), INDIA
Language known: English, Hindi.
Hobbies: Listening Music, Reading, Teaching, Cooking, Riding Bike, etc.

References

1. Arun Kumar Sinha (Retired Professor), Department of Statistics, Patna University, Patna-800005, Bihar, India. Mob. No.: +91-9431877507, Email: arunkrsinha@gmail.com
2. Dr. Mukesh Kumar (Assistant Professor), Department of Statistics, Central University of South Bihar, Gaya-824236, Bihar, India. Mob.: +91-8809191070, Email.: mukesh.kumar@cub.ac.in

Declaration

I hereby declare that the above information provided by me is correct up to my knowledge, and reference for the same will be provided when required.

Varanasi   **Dr. Vikas Singh**