

Dr. Abhishek

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RESEARCH INTERESTS

I am interested in fuzzy set theory and biostatistics. In the future, I want to work in meta-analysis and also work to integrate both fuzzy set theory and biostatistics. I will also work in multivariate analysis in the field of biostatistics using techniques like principal component analysis, factor analysis, canonical correlations and variables, cluster analysis and many others.

EDUCATION

Ph.D. Statistics, Department of Statistics, Maharshi Dayanand University, Rohtak 2012-2016.

Thesis: *Characterization and Generalization of Fuzzy Information Measures and their role in Coding and Medical Diagnosis.*

Pre Ph. D. Statistics, Department of Statistics, Maharshi Dayanand University, Rohtak 2012.

Second position in order of merit in Pre Ph. D. (Statistics) in 2012 in Maharshi Dayanand University, Rohtak.

Percentage: **70.33**

M.Sc. Mathematical Statistics, Department of Statistics, Maharshi Dayanand University, Rohtak 2009-2011.

Second position in order of merit in M.Sc. (Mathematical Statistics) in 2011 in Maharshi Dayanand University, Rohtak.

Percentage: **76.65**

B.Sc. Non-Medical, Government College, Bhiwani 2006-2009.

Subject: *Physics, Mathematics and Statistics.*

Percentage: **60.00**

WORK EXPERIENCE

Teaching

Assistant Professor, Department of Statistics, Ramanujan College, University of Delhi (July 2018 – current)

Being a part of institute like Ramanujan College, I am experiencing a lot of things and learning how to maintain and raise the standard of the institute.

Assistant Professor, Department of Statistics, Amity University Uttar Pradesh, Noida (August 2016 – July 2018)

Discern being good at explaining things to others, became a people person and enjoy working with a wide range of people with enthusiasm, gain a strong knowledge in subject area.

Guest Faculty, Department of Statistics, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh (August 2014 – November 2015)
Learned keeping myself cool under pressure, being a good time manager and develop the ability to work as a teacher as well as a researcher for my own social security.

Research

Research Scholar for Professor Priti Gupta at Department of Statistics, Maharshi Dayanand University, Rohtak (2012 – 2016)

Carried out a Project entitled "*A Statistical analysis between BSE and NSE Economy of 21 years (1991-2011)*" and submitted to Department of Statistics, Maharshi Dayanand University, Rohtak.

Merit Scholarships

UGC-Basic Scientific Research Fellowship from March 29, 2013 - July 31, 2014 in Maharshi Dayanand University, Rohtak.

University Research Scholarship (URS) from May 04, 2012 - March 29, 2013 Maharshi Dayanand University, Rohtak.

SKILLS

R, SPSS, Python and L^AT_EX

PUBLICATIONS

S Sharma, A Sheoran, KB Gupta, A Yadav, M Varma-Basil, S Vishnubhatla, D Chaudhary, PK Mehta
Quantitative detection of a cocktail of mycobacterial MPT64 and PstS1 in tuberculosis patients by real-time immuno-PCR

Future Microbiology (*Ahead of Print*)

<https://doi.org/10.2217/fmb-2018-0284>

S Sharma, B Dahiya, S Vishnubhatla, N Singh, A Raj, A Sheoran, A Yadav, KB Gupta, PK Mehta
Comparative evaluation of GeneXpert MTB/RIF and multiplex PCR targeting mpb64 and IS6110 for the diagnosis of pleural TB

Future Microbiology, 13(4) (2018), pp. 407-413.

<https://doi.org/10.2217/fmb-2017-0147>

O Sharma, P Gupta, A Sheoran

Dimensionality reduction using fuzzy soft set theory

International Journal of Statistics and Reliability Engineering, 4(2) (2017), pp. 154-158.

<http://www.ijssreg.com/index.php/ijsre/article/view/148>

S Sharma, A Raj, S Singh, B Dahiya, A Sheoran, KB Gupta, PK Mehta

Development of real time immuno-PCR for the quantitative detection of mycobacterial PstS1 in tuberculosis patients

Journal of Microbiological Methods, 132, (2017), pp. 134-138.

<https://doi.org/10.1016/j.mimet.2016.12.006>

PK Mehta, N Singh, R Dharra, B Dahiya, S Sharma, A Sheoran, KB Gupta, D Chaudhary, N Mehta, M Varma-Basil

Diagnosis of tuberculosis based on the detection of a cocktail of mycobacterial antigen 85B, ESAT-6 and cord factor by immuno-PCR

Journal of Microbiological Methods, 127, (2016), pp. 24-27.
<https://doi.org/10.1016/j.mimet.2016.05.003>

N Singh, V Sreenivas, A Sheoran, S Sharma, KB Gupta, GK Khuller, PK Mehta
Serodiagnostic potential of immuno-PCR using a cocktail of mycobacterial antigen 85B, ESAT-6 and cord factor in tuberculosis patients
Journal of Microbiological Methods, 120, (2016), pp. 56-64.
<https://doi.org/10.1016/j.mimet.2015.11.016>

A Sheoran, Chetan
A Demographic Study of Haryana over Approaching Decade
International Journal of Applied Mathematics and Statistical Sciences, 4(2), (2015), pp. 37-42.

P Gupta, A Sheoran
Some new parametric fuzzy entropies
International Journal of Fuzzy Mathematics and Systems, 4 (3), (2014), pp. 293-298.
<https://scholar.google.co.in/scholar?oi=bibs&hl=en&cluster=5713737680551333477>

P Gupta, A Sheoran
Harmonic measure of fuzzy entropy and their normalization
International Journal of Statistika and Mathematika, 10(3), (2014), pp. 47-51.
<https://scholar.google.co.in/scholar?oi=bibs&hl=en&cluster=15179126095768221392>

CONFERENCE/WORKSHOP/SEMINAR

Research Paper Presented

Applications of Intuitionistic Fuzzy Sets in Medical Diagnosis

National Conference on Statistics and Optimization Techniques.
Indian Association for Reliability and Statistics with Department of Statistics, M. D. University,
Rohtak, February 11-13, 2017.

On generalized fuzzy inaccuracy measure of order- α and its application to multiple criteria decision making
International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques. Forum for Interdisciplinary Mathematics with Manipal University, Jaipur, December 22-24, 2016.

Applications of Measures of Fuzzy Entropy in Coding Theory

National Conference on Recent Trends and Developments in Statistics.
Indian Association for Reliability and Statistics with Department of Statistics, M. D. University,
Rohtak, February 21-23, 2015.

Factor Affecting Birth-Weight of New born: A Statistical Analysis

National Seminar on Application and Role of Mathematics in Engineering and Social Sciences.
BLJS College, Tosham, Bhiwani, March 26-27, 2014.

Projected Population of Haryana

National Seminar on Application and Role of Statistics in Multidisciplinary Research.
Department of Statistics, Central University of Haryana, Jant-Pali, Mahendergarh, October 23-24, 2013.

Attended

Faculty Induction Programme.
Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi, November 14 - December 13, 2018.

Faculty Development Programme.
Ramanujan Centre for Applied Mathematics and Research, Ramanujan College, University of Delhi, September 24-30, 2018.

National Workshop on Scientific Computational Techniques.
Department of Mathematics and Statistics, School of Basic Sciences, Manipal University, Jaipur, July 20-22, 2017.

Certificate for participation in the Professional Development Programme on Amity Academics Structures and Systems
Amity University, Uttar Pradesh, December 01-02, 2016.

National Workshop on Sample Surveys and Data Analysis (Software-SPSS, MINITAB and R).
Indian Association for Reliability and Statistics with Department of Statistics, M. D. University, Rohtak, June 13-15, 2016.

National Workshop on Scientific Computational Techniques.
Department of Mathematics and Statistics, School of Basic Sciences, Manipal University, Jaipur, Dec. 18-19, 2014.

International Conference on Innovative Trends in Applied Physical, Chemical, Mathematical, Statistical Sciences and Emerging Energy Technology for Sustainable Development.
Social Welfare Foundation in association with Krishi Sanskriti, July 19-20, 2014.

Annual Conference of Society of Statistics, Computer and Applications.
BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat, February 24-26, 2014.

Seminar on Official Statistics.
Department of Statistics, M. D. University, Rohtak, February 18, 2014.

National Conference on Recent Advances in Statistics and their Role in Finance, Actuarial Science and Other Areas.
Department of Statistics, Central University of Rajasthan, Kishangarh, Ajmer, February 14-15, 2014.

International Conference on Recent Trends in Material and Devices.
Amity University Uttar Pradesh, Noida, October 30-31, 2013.

Data Dissemination Workshop.
Directorate of Census Operations, Haryana with Department of Sociology, M. D. University, Rohtak, March 12, 2013.

International Conference and Symposium on History and Development of Mathematical Sciences.
Department of Statistics, M. D. University, Rohtak, November 21-24, 2012.

REFERENCES

Dr. Priti Gupta,
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Department of Statistics,
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Dr. H. D. Arora
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PERSONAL STRENGTHS

Positive Attitude, Dedicated and Hardworking, Easily adapted in Team Work, Inter Personal Skills, Organisational skills, Proficient Communication Skills.

I hereby declare that the above-furnished knowledge is true to the best of my knowledge and belief.

Signature