

Dr. Akanksha Gupta

Academic Credentials

2014 Ph.D. (Statistics), Banaras Hindu University, Varanasi
2011 UGC-NET-JRF
2009 M.Sc. (Statistics), Banaras Hindu University, Varanasi
2007 B.Sc. (Statistics, Mathematics), C.S.J.M. University, Kanpur

Teaching Experience

At Banaras Hindu University, Varanasi:

Assistant Professor in Dept. of Statistics, BHU since November 20, 2019.

At Amity University, Lucknow:

Assistant Professor in Dept. of Statistics, AUUP, Lucknow Campus from August, 2019 to November, 2019.

At Babasaheb Bhimrao Ambedkar University, Lucknow:

Guest Faculty in the Dept. of Statistics, BBAU from August, 2016 to December, 2017.

Research Contribution

Title of the Thesis: Posterior Based Inferences for Some Medical Data Problems in the Presence of Genetic Susceptibility and Environmental Exposure.

Research Papers:

- A Bayesian Study of Odds Ratio in Case-Control Scenario Using Logistic Regression Model; Proceedings: New Methodologies in Statistical Research (2012).
- Bayes and Maximum Likelihood Estimators for Weibull Parameters under Multiply Type-II Censoring; Aligarh Jr. of Statistics (2013).
- A Hierarchical Bayes Analysis to Study the Impact of Genetic Susceptibility and Environmental Exposure; Research & Reviews: Discrete Mathematical Structures (2014).
- An Empirical Bayes Study to Examine the Interaction between Genetic Susceptibility and Environmental Exposure; Aligarh Jr. Of Statistics (2014).
- Subjective Elicitation of Dirichlet Hyperparameters using Past Data: A Study of Ovarian Cancer Patients; Austrian Jr. of Statistics (2019).
- On the Use of Logistic Regression Model in the Gene-Environment Problem: A Bayesian Approach; American Jr. of Mathematical and Management Sciences (2019).

Invited Talks: 10

Paper Presentations in Conferences: 09

Conferences/Workshops attended: 03

Accomplishments

- Co-editor of the Newsletter of Indian Bayesian Society.
- Got Best Paper Presentation Award on an internationally recognized platform named ISBA Regional Meeting and International Workshop/ Conference on Bayesian Theory and Applications, 2013 held at Banaras Hindu University, Varanasi during Jan., 6-10, 2013.