

**Subject:** Cover Letter for Post-doc Application

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Department of Statistics  
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Dear Professor,

I hope this letter finds you well. My name is Dr. Debashis Chatterjee, and I am currently serving as an assistant professor at the Department of Statistics at Visva-Bharati University, Santiniketan, India. I am interested in a postdoctoral position in Statistical Methodologies and Statistical Applications in interdisciplinary Biomedical sciences, preferably under your esteemed guidance.

Having completed my academic journey with a B.Stat (Honours), M.Stat, and a Ph.D. in Statistics (2022) from the Indian Statistical Institute, Kolkata, I have been fortunate to delve into various aspects of statistical research. My doctoral research primarily focused on Bayesian Inverse Regression, a topic that has instilled in me a deep appreciation for the intricacies of statistical modeling, in particular but not limited to, Bayesian.

While I have primarily been engaged in theoretical and applied statistics, I must humbly admit that my recent inclination toward medical science is still in its infancy. Nonetheless, I am eager to explore this new realm and contribute in any way possible. My expertise includes Bayesian/classical statistical applications and Directional Statistical Applications, and I believe that working under your guidance would offer me invaluable insights and opportunities for growth.

Should a postdoctoral position in your esteemed research group not be feasible at the moment, I would be immensely grateful for any advice or guidance you could provide on transitioning my career into the field of medical science. My ultimate aspiration is to pursue further education in the medical domain in the form of MBBS and MD (if an opportunity comes), although I am acutely aware of the challenges and uncertainties that lie ahead, as I have already gone far into statistics up to my Ph.D.

Following completing my master's degree in mid-2015, I embarked on a Ph.D. journey at North Carolina State University, USA, before circumstances led me back to India to complete my doctoral studies. Since then, I have dedicated myself to developing novel statistical methodologies, with recent endeavors focusing on geological directional data, biological tensor data, and astronomical data analysis.

For instance, one of my recent research papers, which explores meteor fall directional modeling, is currently published in the Monthly Notices of the Royal Astronomical Society (MNRAS). Another paper investigating volcano-earthquake statistical modeling awaits review in Nature Scientific Reports. I am trying my best to shift my research into an interdisciplinary field.

Enclosed with this letter, you will find my CV and a selection of my recent publications for your kind consideration. I am eager to discuss any potential opportunities and how I may be able to contribute to your research endeavors.

Thank you very much for considering my humble request.

With warm regards,

Dr. Debashis Chatterjee  
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Department of Statistics  
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