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Education

[†] *Indicates expected*

2016–2020 [†] Ph.D., Statistics, North Carolina State University

Supervisor: Brian J. Reich

2014–2016 M.Stat., Indian Statistical Institute

2011–2014 B.Stat., Indian Statistical Institute

Appointments

2018–2020 Teaching Assistant, Statistics, North Carolina State University

2017–2018 Research Assistant, The Statistical and Applied Mathematical Sciences Institute

2016–2017 Teaching Assistant, Statistics, North Carolina State University

Selected Honours and Awards

2011 - 2016 KVPY Scholarship, Dept. of Science & Technology, Govt. of India

Publications

Journals

- [1] **Majumder, S.**, Guan, Y., Reich, B. J., O'Neill, S., Rappold, A. G.; Statistical Down-scaling with Spatial Misalignment: Application to wildland Fire PM_{2.5} Concentration Forecasting; *In Preparation*.
- [2] Haskett, M. E., **Majumder, S.**, Kotter-Gröhn, D., Gutierrez, I.; The role of university students' wellness in links between homelessness, food security, and academic success; *Under Review, Journal of Social Issues and Homelessness*.

- [3] **Majumder, S.**, Biswas, A., Roy, T., Bhandari, S., & Basu, A.; Statistical Inference Based on a New Weighted Likelihood Approach; *Under Review, Metrika*.
- [4] Haskett, M. E., Kotter-Grühn, D., **Majumder, S.**; Prevalence and correlates of homelessness and food insecurity among university students; *Accepted, Journal of College Student Development*.
- [5] Biswas, A., **Majumder, S.**, Niyogi, P. G., Basu, A.; A Weighted Likelihood Approach to Problems in Survival Data; *Under Review, Sankhyā*.
- [6] Biswas, A., Roy, T., **Majumder, S.**, & Basu, A. (2015). A new weighted likelihood approach. *Stat*, 4(1), 97-107.

Technical reports

- [1] Biswas, A., Niyogi, P. G., **Majumder, S.**, Bhandari, S. K., Ghosh, A., & Basu, A. Theoretical Properties of a New Weighted Likelihood Estimator for Right Censored Data. Retrieved from <https://www.isical.ac.in/isru/tr18a.pdf>

Posters

- [1] **Majumder, S.**, Guan, Y., Reich, B. J. & Rappold, A. G.; Statistical Downscaling with Spatial Misalignment: Application to Wildland Fire PM_{2.5} Emissions Forecasting; Poster session presented at the 2018 IISA International Conference on Statistics, University of Florida, Gainesville, Florida, USA.
- [2] **Majumder, S.**, Guan, Y., Reich, B. J. & Rappold, A. G.; Statistical Downscaling with Spatial Misalignment: Application to Wildland Fire PM_{2.5} Emissions Forecasting; Poster session presented at 2018 SAMSI Graduate Poster Session, North Carolina State University, Raleigh, North Carolina, USA .
- [3] **Majumder, S.**, Guan, Y., Reich, B. J. & Rappold, A. G.; Statistical Downscaling with Spatial Misalignment: Application to Wildland Fire PM_{2.5} Emissions Forecasting; Poster session presented at 2019 IMS/ASA Spring Research Conference, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA.
- [4] **Majumder, S.**, Guan, Y., Reich, B. J. & Rappold, A. G.; Statistical Downscaling with Spatial Misalignment: Application to Wildland Fire PM_{2.5} Emissions Forecasting; Poster session presented at 2019 Joint Statistical Meetings, Denver, Colorado, USA.

Contributed Presentations

- [1] **Majumder, S.**, Biswas, A., Roy, T., & Basu, A.; Statistical Inference Based on a New Weighted Likelihood Approach; (oral presentation), International Conference on Robust Statistics, Kolkata, India, 2015.

Professional Activities

- Reviewer, International Social Science Journal, 2018.

Social Activities

- Volunteer, Service Raleigh, 2019.
- Head, Sponsorship Committee, Integration: the annual techno-cultural fest of Indian Statistical Institute, Kolkata, 2015.
- Head, Sponsorship Committee, Integration: the annual techno-cultural fest of Indian Statistical Institute, Kolkata, 2014.
- Member, Literary Activities Committee, Boys' Hostel of Indian Statistical Institute, 2013-2014.
- Head, Advertising Committee, Reunion Celebration Committee of Rahara Ramakrishna Mission Boys' Home, 2013.
- Member, Literary Activities Committee, Boys' Hostel of Indian Statistical Institute, 2012-2013.