

# Suman Majumder

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## Education

<sup>†</sup> *Indicates expected*

2016–2020 <sup>†</sup> 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<sub>2.5</sub> 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<sub>2.5</sub> 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<sub>2.5</sub> 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<sub>2.5</sub> 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<sub>2.5</sub> 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.