

# Suman Majumder

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## Education

<sup>†</sup> *Indicates expected*

2016–2020 <sup>†</sup> Ph.D., Statistics, North Carolina State University

Thesis Title: TBD

Advisor: Brian J. Reich

2014–2016 M.Stat., Indian Statistical Institute

2011–2014 B.Stat., Indian Statistical Institute

## Experience

2020 Research Assistant, Department of Entomology and Plant Pathology, North Carolina State University

2018–2019 Teaching Assistant, Department of Statistics, North Carolina State University

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

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

## Honors and Awards

2020 ASA ENVR Student Paper Award Winner

2018 - current Member of NC Alpha chapter of Statistics, *Mu Sigma Rho*

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

## Publications

### Peer-Reviewed Journals

- [1] Biswas, A., **Majumder, S.**, Niyogi, P. G. and Basu, A. (2020); [A Weighted Likelihood Approach to Problems in Survival Data](#). Sankhyā.

- [2] Haskett, M. E., Kotter-Grühn, D. and **Majumder, S.** (2020); [Prevalence and correlates of homelessness and food insecurity among university students](#). *Journal of College Student Development*.
- [3] Biswas, A., Roy, T., **Majumder, S.**, and Basu, A. (2015). [A new weighted likelihood approach](#). *Stat*, 4(1), 97-107.

## Under Review

- [1] **Majumder, S.**, Guan, Y., Reich, B. J., O'Neill, S. and Rappold, A. G. (2019+); Statistical Downscaling with Spatial Misalignment: Application to wildland Fire PM<sub>2.5</sub> Concentration Forecasting; *Submitted, Annals of Applied Statistics* [ArXiv](#).
- [2] Haskett, M. E., **Majumder, S.**, Kotter-Grühn, D. and Gutierrez, I. (2019+); 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., and Basu, A. (2019+); [Statistical Inference Based on a New Weighted Likelihood Approach](#); *Under Review, Metrika*.

## Technical reports

- [1] Biswas, A., Niyogi, P. G., **Majumder, S.**, Bhandari, S. K., Ghosh, A., and Basu, A. (2018). [Theoretical Properties of a New Weighted Likelihood Estimator for Right Censored Data](#).

## Presentations

### Papers

- [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.

### 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.

## **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.