# Sean Plummer

Website: snplmmr.github.io
Email: snplmmr@stat.tamu.edu
GitHub: github.com/snplmmr

## Education

**Texas A& M University** — College Station, TX
Ph.D. in Bayesian Statistics, Advisor: Debdeep Pati — 2016–Current

**Texas A& M University** — College Station, TX
M.S. in Mathematics, GPA: 3.957/4.00 — 2013–2016

**North Carolina State University** — Raleigh, NC
B.S. in Mathematics (Honors), GPA: 4.00/4.00 — 2009–2013

## Publications

1. **S. Plummer**, D. Pati, and A. Bhattacharya, "Dynamics of coordinate ascent variational inference: A case study in 2d Ising models", *Entropy*, vol. 22, no. 11, 2020, ISSN:1099-4300
2. A. Bhattacharya, D. Pati, and **S. Plummer**, "Evidence bounds in singular models: probabilistic and variational perspectives", *arXiv preprint arXiv:2008.04537*, 2020
3. **S. Plummer**, S. Zhou, A. Bhattacharya, D. Dunson, and D. Pati, "Statistical guarantees for transformation based models with applications to implicit variational inference", *arXiv preprint arXiv:2010.14056*, 2020

## Teaching

- **Instructor** at Texas A&M University — Fall 2020
  *STAT 303 Statistical Methods*
- **Instructor** at Texas A&M University — Summer 2 2020
  *STAT 201 Statistical Methods*
- **Instructor** at Texas A&M University — Spring 2020
  *STAT 201 Statistical Methods*
- **Instructor** at Texas A&M University — Fall 2019
  *STAT 201 Statistical Methods*
- **Instructor** at Texas A&M University — Summer 2 2019
  *STAT 303 Statistical Methods*
- **Instructor** at Texas A&M University — Summer 1 2019
  *STAT 303 Statistical Methods*
- **Teaching Assistant** at Texas A&M University — Spring 2016
  *MATH 152 Engineering Mathematics II*
- **Teaching Assistant** at Texas A&M University — Fall 2015
  *MATH 151 Engineering Mathematics I*
- **Teaching Assistant** at Texas A&M University — Spring 2015
  *MATH 152 Engineering Mathematics II*
- **Teaching Assistant** at Texas A&M University — Fall 2014
  *MATH 151 Engineering Mathematics I*
- **Teaching Assistant** at Texas A&M University — Spring 2014
  *MATH 152 Engineering Mathematics II (H)*

## Skills

- **Programming Languages:** R, Python
- **Computer Systems:** Linux

## Languages

- **English:** Native
- **Japanese:** Beginner

## Notable Coursework

- **STAT 689** Spatial Statistics
- **MATH 617, 618** Complex Variables 1,2
- **MATH 622, 623** Differential Geometry 1,2
- **MATH 641, 642** Analysis for Applications 1,2
- **MATH 689** Deep Learning
- **MATH 689** High Dimensional Probability
- **ECEN 647** Information Theory
- **ECEN 760** Introduction to Probabilistic Graphical Models

## Scholarships and Awards

- Raymond J Carroll Fellowship 2016–2017
- H. Thomas and Sue Banks Scholarship 2012–2013

## Personal References

- Debdeep Pati, Associate Professor, Statistics debdeep@stat.tamu.edu
- Anirban Bhattacharya, Associate Professor, Statistics anirbanb@stat.tamu.edu
- Krishna Narayanan, Eric D. Rubin '06 Professor, Electrical & Computer Engineering krn@tamu.edu