Christopher Kinson
Teaching Assistant Professor

1 EDUCATION

- Ph.D. Statistics (2017)
  - University of Illinois at Urbana-Champaign
- B.A. Mathematics (2011)
  - Albany State University

2 STATISTICS RESEARCH INTERESTS

- longitudinal data analysis
- dimension reduction techniques
- text analysis
- data wrangling for data science

3 EDUCATIONAL RESEARCH INTERESTS

- continuous management systems
- reproducibility in the course workflow and classroom
- student confidence and placemaking in statistics
- authentic leadership for student agency

4 PUBLICATIONS

- Kinson, C., Tang, X., Zuo, Z., and Qu, A (2019). Longitudinal Principal Component Analysis with an Application to Marketing Data. *Journal of Computational and Graphical Statistics.* `https://doi.org/10.1080/10618600.2019.1677244`

5 CERTIFICATES, HONORS, & AWARDS

- NSF GRFP Fellow (2012 - 2016)

6 PROFESSIONAL EXPERIENCE

- Teaching Assistant Professor (Aug 2018 - Present)
  - Department of Statistics, University of Illinois at Urbana-Champaign
    - Teach 4 courses per academic year
    - Serve on 2-3 departmental committees
    - Supervise teaching assistants and graders for courses
    - Continue research projects for publication
- MS Program Advisor (Aug 2018 - Present)
  - Department of Statistics, University of Illinois at Urbana-Champaign
    - Advise 60 master's students in their matriculation
    - Manage the STAT 593 Internship course for student interns at various companies in the US
    - Recommend applicants for admission to the MS program
- Visiting Assistant Professor (Aug 2017 - July 2018)
  - Department of Statistics, University of Illinois at Urbana-Champaign
    - Teach 3 courses per academic year
    - Supervise teaching assistants and graders for courses
    - Continue research projects for publication
- Research Assistant (Jun 2017 - Aug 2017)
  - Department of Statistics, University of Illinois at Urbana-Champaign
    - Create homework problem and solution sets compiled in LaTex for Advanced Bayesian Modeling course
    - Assist in course development for online platform Coursera

7 PRESENTATIONS

- Breakout Session Co-Presenter (June 2021)
  - United States Conference on Teaching Statistics (USCOTS) as virtual conference
    - Argue for using GitHub in the classroom while colleague, D. Dalpiaz, argues against
- Presenter (November 2020)
  - LAS Expo at University of Illinois at Urbana-Champaign

    - Presented on using GitHub as a learning management system `https://atlas.illinois.edu/lasexpo/speakers#Chris`

- Poster Presenter (May 2019)
  - United States Conference on Teaching Statistics (USCOTS) at Pennsylvania State University, PA
    - Presented poster on student engagement techniques for the advanced data analysis course STAT 448

- Parallel Sessions Presenter (Jun 2018)
  - Conference on Statistical Learning and Data Science (SLDS) at Columbia University, NY
    - Presented on Learning from Dr. Martin Luther King Jr: Text analysis and statistical approaches for civil rights

- Presenter (Oct 2016)
  - Robert Bohrer Workshop at University of Illinois at Urbana-Champaign, IL
    - Presented paper on Longitudinal Principal Component Analysis

- Contributed Sessions Presenter (Jul 2016)
  - Joint Statistical Meetings (JSM) at Chicago, IL
    - Presented paper on Longitudinal Principal Component Analysis

8 COURSES TAUGHT

- STAT 385 Statistics programming methods (Fall 2019; Fall 2020; Spring 2021)
  - face-to-face with 80-90 undergraduate students
  - fully online during COVID pandemic with 90-180 undergraduate students

- STAT 448 Advanced data analysis (Fall 2017, 2018, 2019; Spring 2018, 2019)
  - face-to-face
  - 40-80 graduate and undergraduate students

- STAT 440 Statistical data management (Fall 2018; Summer 2018; Fall 2020; Spring 2021)
  - face-to-face (in Fall)
  - online (in Summer and during COVID pandemic)
  - 70-90 graduate and undergraduate students

- *STAT 593 Internship (Fall 2018; Spring 2019)
  - managed as co-supervisor not taught
  - 30-50 graduate students
- STAT 200 Statistical analysis (Spring 2016)
  - face-to-face
  - 40 undergraduate students
- STAT 100 Statistical (Spring 2015)
  - online
  - 120 undergraduate students

9 INSTRUCTIONAL CONTRIBUTIONS

- Organizer of the Online Teaching Support Group Series (April 2020 - present)
  - a monthly help session in Zoom where faculty and graduate students can discuss innovations and experiences during the COVID pandemic
- Organizer of the Statistics and Data Science Education Brown Bag Series (Aug 2019 - present)
  - a monthly forum where faculty and graduate students can discuss various topics within statistics education including its challenges and triumphs
- Course Innovation - Incorporate Git and GitHub Enterprise into STAT 448 (Spring 2020)
  - Git and GitHub are relatively new technological enhancements to content delivery and retrieval and collaboration
  - Prior to Spring 2020, STAT 448 used Blackboard LMS for content delivery and retrieval

10 SERVICE TO THE PROFESSION

- Member of the American Statistical Association (ASA)
- Member of Planning Committee for the ASA's Committee on Minorities in Statistics "2019 Diversity Workshop and Mentoring Program"

11 SERVICE TO THE DEPARTMENT

- Chair of Diversity, Equity, and Inclusion (Nov 2020 - present)
  - Department of Statistics, University of Illinois at Urbana-Champaign, IL
    - Promote increasing the number and quality of statisticians and data scientists in through Blackwell Summer Scholars Program and continuing high school mathematics and statistics outreach
- Member of Online Task Force (Mar 2020 - present)
  - Department of Statistics, University of Illinois at Urbana-Champaign, IL
    - Organize efforts to prepare faculty and staff for teaching online during COVID pandemic, increase awareness of opportunities to improve digital instruction
- Member of Faculty Senate (Aug 2019 - May 2021)
  - Department of Statistics, University of Illinois at Urbana-Champaign, IL
    - Represent, review, and vote on matters that affect the campus including the Academic Calendar, policies on admission, awarding of degrees, and amendments to statutes
- Member of MS Program Committee (Aug 2018 - May 2020)
  - Department of Statistics, University of Illinois at Urbana-Champaign, IL
    - Review applicants for admission to the master of science program, strategize and manage current graduate students for advisement
- Member of Specialized Faculty Search Committee (Aug 2018 - May 2019)
  - Department of Statistics, University of Illinois at Urbana-Champaign, IL
    - Screen and review applicants for potential specialized faculty positions including lecturer, visiting, teaching, clinical professors of all ranks

12 SERVICE TO THE COMMUNITY

- Diversity Workshop and Mentoring Program Panelist and Mentor (Jul 28-31, 2019)
  - Joint Statistical Meetings (JSM) at Denver, CO
    - Discuss successful navigation of graduate school and inform of potential pitfalls and struggles potential students may face
- Undergraduate Research Symposium Judge (Apr 18, 2019)

  - University of Illinois at Urbana-Champaign
    * Score and provide feedback on student posters and presentations

- Illini Statistics Club Datathon Judge (Apr 13-15, 2018)
  - University of Illinois at Urbana-Champaign
    * Offer critique and feedback on student presentations for predictive modeling competition where Synchrony Financial was the sponsor

- MLK STAT Instructor (Feb 2018 - May 2018)
  - Department of Statistics, University of Illinois at Urbana-Champaign
    * Design learning materials and teach text analysis, computational methods, and probability to local high school students in collaboration with 2 colleagues

- Guest Lecturer (Mar 22, 2018)
  - Albany State University
    * Lectured on "The Power of Graphics: Making Meaning from Text and Basic Statistics" which discussed basic statistical inference for structured data and unstructured data with a focus on visualizations

- Keynote Speaker (Oct 27, 2017)
  - Regional Undergraduate Research Symposium, Albany State University
    * Share authentic personal experience about graduate school to inform and encourage more underrepresented students to seriously consider to graduate school