

# SHIH-NI PRIM

[sprim@ncsu.edu](mailto:sprim@ncsu.edu)

## EDUCATION

---

- |            |   |              |
|------------|---|--------------|
| <b>PhD</b> | North Carolina State University, Statistics<br>Advisor: Brian Reich | 2022-present |
| <b>MR</b>  | North Carolina State University, Statistics<br>Cumulative GPA: 4.0  | Dec 2022     |

## COMPUTER SKILLS

---

**Programming:** R, Python, Matlab, SAS, Java

**Certificate:** SAS Certified Specialist: Base Programming Using SAS 9.4 (Issued May 2020)

## RESEARCH EXPERIENCE

---

<b>North Carolina State University, Raleigh, NC</b> <b>Research Trainee at Duke Clinical Research Institute</b>	August 2022 to present
--	------------------------

- Shadow meetings of clinical research
- Received training on ethical research

<b>North Carolina State University, Raleigh, NC</b> <b>Research Assistant</b>	Summer 2022, July 2023 to present
--	-----------------------------------

- Principal Investigators: Natalie Nelson (Department of Biological and Agricultural Engineering) and Brian Reich (Department of Statistics)
- Goal: Create statistical models to understand possible causes for algal blooms
- Duties: Data cleaning, data analysis, statistical modeling, manuscript drafting

<b>Wake Forest Baptist Health, Winston-Salem, NC</b> <b>Volunteer Research Statistician / Intern</b>	2021 to 2022
---	--------------

- Department of Radiation Oncology
  - Conduct Kaplan Meier Survival Analysis and Cox Proportional Hazard Model on retrospective data of patients with glioblastoma
  - Create tables and plots and help with writing and editing for publication
- Radiology Informatics and Image Processing Laboratory
  - Help collect MRI images and clinical data for studies that utilize machine learning for classification

<b>Research Collaborator</b> Collaborators: Carol Severino, Deirdre Egan (University of Iowa)	2012 to 2020
--	--------------

- Examined how writing tutoring can influence students' writing and their perception of their writing skills
  - Conducted data cleaning and statistical analyses
  - Prepared tables and graphs for publications
  - Published three peer-reviewed journal articles (2015, 2016, 2020) and one book chapter (2013)
  - Participated in 10 conferences (2012, 2013, 2014, 2015, 2016, 2017)

#### **Musicology Student / Researcher**

2007 to 2020

- Studied the music of nineteenth-century Austrian composer Gustav Mahler's music and its reception in the United States
  - Published a single-author, peer-reviewed paper in *Association for Recorded Sound Collections Journal* (2017)
  - Made three conference presentations (2010, 2014, 2017)
- Published two book reviews in *Notes* (2019, 2021)

### **TEACHING EXPERIENCE**

---

#### **North Carolina State University, Raleigh, NC**

May to August 2022

##### **Teaching Assistant, Department of Statistics**

- Assist with two graduate courses: Fundamentals of Statistical Inference I and Fundamentals of Linear Models and Regression
- Duties: Grade homework and hold weekly office hours

#### **Wake Forest University, Winston-Salem, NC**

August 2017 to December 2017

##### **Adjunct Faculty, Department of Music**

- Independently designed and taught the course "Introduction to Western Music," which covered western music history from the Middle Ages to the Twentieth Century
- Used music as artifacts to help students think about history in the appropriate contexts and cultivate critical thinking
- Provided necessary study aids including detailed guidelines and rubrics for writing assignments and study guides for exams
- Used a scaffolding method to help students write research papers

#### **University of Iowa, Iowa City, IA**

2011 to 2016

##### **Writing Tutor, Writing Center**

- Online tutoring (Fall 2013–Spring 2016)
  - Provided feedback for papers through online tutoring (10 hours per week)
- Online and Face-To-Face tutoring (Fall 2011, Spring 2012)
  - Met with 4 students for 4 hours of in-person tutoring sessions per week
  - Provided feedback for papers through online tutoring

#### **University of Iowa, Iowa City, IA**

2009 to 2012

##### **Teaching Assistant, School of Music**

- Undergraduate History of Music I & II (Fall 2011, Spring 2012)
  - Gave one-hour lectures in weekly discussion sessions

- Helped students review class materials
- Helped the professor design quizzes, exams, and reviewing tables
- Graded assignments, performance papers, exams, and quizzes
- Graduate Music History I & II (Fall 2010, Spring 2011, Fall 2011)
  - Helped students review class materials
  - Helped the professor design quizzes, exams, and reviewing tables
  - Guest lectured at the request of the professor
- Introduction to Graduate Studies (Fall 2010, Spring 2011)
  - Assisted the professor design research assignments
  - Checked students' answers in assignments
  - Helped students review class materials
  - Guest lectured at the request of the professor
- Great Musicians (Music Appreciation) (Fall 2009, Spring 2010)
  - Gave two one-hour lectures in weekly discussion sessions
  - Helped students review class materials
  - Graded assignments, concert reports, exams, and quizzes

---

## WORK IN PROGRESS

With Brian Reich and Yawen Guan, "Multivariate Spectral Confounder Adjustment."

---

## MANUSCRIPT SUBMITTED

Helis CA, **Prim S**, Steber CR, Cramer CK, Munley MT, Bourland JD, White JJ, Tatter SB, Laxton AW, and Chan MD. "The Impact of Integral Dose on Repeat Gamma Knife Radiosurgery for Trigeminal Neuralgia."

---

## PUBLICATIONS

Chan MD, **Prim S**, Cramer C, Ruiz J. "Nonrandomized trials in clinical oncology." In *Handbook for Designing and Conducting Clinical and Translational Research: Translational Radiation Oncology*, edited by Adam E. M. Eltorai, Jeffrey A. Bakal, Daniel W. Kim, David E. Wazer, 313–284. 2023. Academic Press.

Helis CA, **Prim S**, Cramer CK, Strowd R, Lesser GJ, White JJ, Tatter SB, Laxton AW, Whitlow C, Lo H, Debinski W, Ververs JD, Black PJ, Chan MD, "Clinical outcomes of dose-escalated re-irradiation in patients with recurrent high-grade glioma." *Neuro-Oncology Practice* (2022). <https://doi.org/10.1093/nop/npac032>.

**Prim S**. Review of *Aaron Copland and the American Legacy of Gustav Mahler* by Matthew Mugmon. *Notes* 77/4 (2021): 610–613.

Severino C, Egan D, **Prim S**. "International Undergraduates' Perceptions of their Second Language Writing Development and Their Implications for Writing Center Tutors." *Writing Center Journal* 38/1-2 (2020): 165–202.

**Prim S.** Review of *Schubert's Reputation from His Time to Ours* by Geoffrey Block. *Notes* 75/3 (2019): 483–486.

**Prim S.** “The Utah Symphony’s Recordings with Vanguard Records.” *Association for Recorded Sound Collections Journal* 48/1 (2017): 23–41.

Severino C, **Prim S.** “Second Language Writing Development and the Role of Tutors: A Case Study of an Online Writing Center ‘Frequent Flyer.’” *Writing Center Journal* 35, no. 3 (2016): 143–185.

Severino C, **Prim S.** “Word Choice Errors in Chinese Students’ English Writing and How Online Writing Center Tutors Respond to Them.” *Writing Center Journal* 34, no. 2 (2015): 115–143.

Severino C, **Prim S.** “Word-Choice Errors in Chinese writers’ ESL Writing and Tutors’ Online Responses to Them.” In *Adquisición de segundas lenguas (L2) en el marco del nuevo milenio : homenaje a la profesora María del Mar Martí Viaño (The Acquisition of a Second Language in the New European Education System)*, edited by Nicolas Estevez and Begoña Clavel, 263–284. 2013. Valencia, Spain: University of València Press.

#### CONFERENCE PRESENTATIONS

---

Severino C, Egan D, **Prim S.** “International Undergraduates’ Perceptions of their Second Language Writing Development.” International Writing Centers Association, Chicago, November 12, 2017.

**Prim S.** “The Utah Symphony’s 1971 Goodwill Tour in Latin America: Cultural Diplomacy during the Cold War.” American Musicological Society Southeast Chapter Spring Meeting, Furman University, Greenville, SC, March 18, 2017.

Severino C, Egan D, **Prim S.** “International Undergraduate Students’ Perceptions of Their Second Language Writing Development and the Role of Writing Centers in It.” Conference on College Composition and Communication, Portland, Oregon, March 17, 2017.

Severino C, Egan D, **Prim S.** “International Undergraduate Students’ Perceptions of Their Second Language Writing Development and the Role of Writing Resources in It.” Symposium on Second Language Writing, Arizona State University, Tempe, AZ, October 22, 2016.

Severino C, **Prim S.** “Second Language Writing Development and the Role of Tutors: A Case Study of an Online Writing Center ‘Frequent Flyer.’” Midwest Writing Centers Associations, Cedar Rapids, IA, March 4, 2016.

Severino C, **Prim S.** “Word Choice Errors in Chinese Students’ English Writing and How Online Writing Center Tutors respond to them.” Videoconference with Texas A&M University San Antonio writing center tutors, October 22, 2015.

Severino C, **Prim S.** “Word Choice Errors in Chinese Students’ English Writing and How Online Writing Center Tutors respond to them.” Writing Center Journal Live Videoconference, September 18, 2015.

Severino C, **Prim S.** “Examining L2 Writing Development over Time.” Lecture to ESL Faculty, University of Mississippi, Oxford, MS, March, 2015.

Severino C, **Prim S.** “Examining Second Language Writing Development over Time: A Case Study of a Frequent User of Writing Center Online Tutoring.” Symposium on Second Language Writing, Arizona State University, Tempe, AZ, November 13–15, 2014.

**Prim S.** “Maurice Abravanel and Gustav Mahler: The Reception of Early Mahler Recordings by Abravanel and the Utah Symphony Orchestra.” American Musicological Society Southeast Chapter Spring Meeting, University of North Carolina at Chapel Hill, NC, February 23, 2014.

Severino C, **Prim S.** “Using Higher/Lower Order Concerns and ‘Error Gravity’ to Examine Second Language Writing Problems and Tutors’ Responses to Them in Synchronous and Asynchronous Online and Face-to-Face Tutoring.” Midwest Writing Centers Association Conference, Skokie, IL, October 17–19, 2013.

Severino C, **Prim S.** “Chinese Writers’ English Word Choice Errors and Tutors’ Online Responses to Them.” International Writing Centers Association Conference, San Diego, CA, October 25–27, 2012.

**Prim S.** “Gustav Mahler’s *Das Lied von der Erde*: An Intellectual Journey Across Cultures and Beyond Life and Death.” Center for the Interdisciplinary Study of Music, University of California at Santa Barbara, CA, January 16–17, 2010.

## **PROFESSIONAL SERVICE**

---

### **Book Reviewer**

*Notes* (2018 to 2021)

### **Article Reviewer**

*Writing Center Journal* (2015 to 2016)

### **Grant Reviewer**

Reviewer, Professional Advancement Grants, Executive Council of Graduate & Professional Students, University of Iowa (2013)

### **Program Notes Writer**

University of Iowa Symphony Orchestra and Saxophone Studio (2010 to 2012)

## GRANTS AND FELLOWSHIPS

---

<b>Travel Grant</b> Midwest Writing Centers Association	2016
<b>Travel Grant</b> Executive Council of Graduate & Professional Students, University of Iowa	2013
<b>Study Abroad Award</b> Ministry of Education, Taiwan	2010 to 2012

## LANGUAGES

---

English, Mandarin, German, French, Italian

## REFERENCES

---

**Brian Reich**, Gertrude M Cox Distinguished Professor of Statistics  
Department of Statistics, North Carolina State University  
2311 Stinson Drive, 5212 SAS Hall  
NC State University  
Raleigh, North Carolina 27695  
Phone: 919-513-7686  
Email: bjreich @ncsu.edu

**Yawen Guan**, Assistant Professor  
Department of Statistics, Colorado State University  
Email: yawen.guan@colostate.edu

**Justin Post**, Associate Teaching Professor, Director of Statistics Online Education  
Department of Statistics, North Carolina State University  
2311 Stinson Drive, 5109 SAS Hall  
NC State University  
Raleigh, North Carolina 27695  
Phone: 919-515-0637  
Email: justin\_post@ncsu.edu

## OTHER EDUCATION

---

<b>PhD</b>	University of Iowa, Musicology Dissertation: “Maurice Abravanel and the Utah Symphony’s Performances and Recordings of Gustav Mahler’s Symphonies (1951–1979)” (Advisor: Nathan Platte)	May 2016
<b>MM</b>	Florida State University, Musicology Thesis: “Gustav Mahler’s <i>Das Lied von der Erde</i> : An Intellectual Journey across Cultures and Beyond Life and Death” (Advisor: Douglass Seaton)	May 2009

- MM** University of North Carolina at Greensboro, Saxophone Performance May 2006
- MA** University of North Carolina at Chapel Hill, Comparative Literature May 2004  
Thesis: “Music-Myth into Comedy: How Shaw Used Wagner to Transform Mozart’s Legend” (Advisor: William Harmon)
- BA** National Chiao Tung University, Foreign Languages and Literatures June 2000