

# Chong Ma

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## Degrees

- 2013 – Present Ph.D. (Anticipated May 2018), Statistics, University of South Carolina  
GPA: 4.0/4.0  
Advisor: David B. Hitchcock  
Co-advisor: Paramita Chakraborty, Yen-Yi Ho
- 2011 – 2013 M.S., Applied Statistics, Bowling Green State University  
GPA: 3.83/4.0
- 2007 – 2011 B.S., Statistics, Nankai University

## Professional Experience

- 2013 – Present Teaching Assistant, Department of Statistics, University of South Carolina
- 2011 – 2013 Teaching Assistant, Department of Applied Statistics & Operational Research  
Bowling Green State University
- Spring 2011 Visiting Graduate Student, Beijing International Center for Mathematical Research

## Research Interests

Functional data analysis, Statistical computing, Statistical genetics, Bayesian nonparametric analysis, Bayesian hierarchical modeling, Survival analysis and Multivariate statistics.

## Professional Organizations

- 2014 – Present American Statistical Association
- 2013 – Present International Society for Bayesian Analysis

## Papers & Manuscripts

- **Ma, C.**, Hitchcock D. B. (2017) “Supervised Classification of Functional Data Using Multivariate Functional Depth and False Discovery Rate”, *under preparation*.
- Chakraborty, P., **Ma, C.**, Grego, J., Lynch, J. (2017) “A Modified Mixed Model Approach To The Large Scale Multiple Testing Problem”, *under preparation*.
- **Ma, C.**, Ho, Y., Christenson, S., Nho, R. (2017) “Genome-Wide Study of miRNA Regulated Gene Expressions Networks in Association With Emphysematous Lung Destruction”, *under preparation*.

## Research and Work

2017 Summer	ORISE fellow, Office of Biostatistics, Center for Drug Evaluation and Research Food and Drug Administration, Silver Spring, MD Mentor: Marian Strazzeri; Supervisor: Laura Lee Johnson
2015 Summer	Research Assistant, Department of Statistics, University of South Carolina Supervisor: Don Edwards
2014 – 2015	Statistical Consultant, Department of Statistics, University of South Carolina Supervisor: John Grego
2013 Spring	Statistical Consultant Assistant, Center for Business Analytics Bowling Green State University, Ohio Supervisor: Nancy Boudreau
2011 Spring	C/C++ Programmer Intern, WINGTECH, Shanghai, China Supervisor: Weifeng An

## Teaching

Year	University of South Carolina	# Sections	# Students
Fall 2017 - Present	STAT 201 Elementary Statistics Lecture	3	69
Spring 2017	STAT 509 Statistics for Engineers	1	30
Fall 2016	STAT 201 Elementary Statistics Lecture	3	70
Fall 2015 - Spring 2016	STAT 201 Elementary Statistics Lab	4	96
Fall 2014 - Spring 2015	STAT 201 Elementary Statistics Lecture	4	96
Fall 2013 - Spring 2014	STAT 201 Elementary Statistics Lab	4	96

### Contributed Presentations and Posters

- 2017 “Data Visualization For Clinical Data By Using Python”  
Food and Drug Administration, Silver Spring, MD
- 2017 “A Comparison of Analytic Approaches In The Same Clinical Study On Responder Definition”  
And Treatment Efficacy, Food and Drug Administration, Silver Spring, MD
- 2017 “Genome-Wide Study of miRNA Regulated Gene Expressions Networks in Association  
with Emphysematous Lung Destruction”, Joint Statistical Meetings, Baltimore, MD
- 2016 “Supervised Classification for Functional Data Using False Discovery Rate  
and Multivariate Functional Depth”, Joint Statistical Meetings, Chicago, IL
- 2016 “Supervised Classification for Functional Data Using Multivariate Functional Depth”  
Southern Regional Council on Statistics, Bentonville, AK
- 2015 “Supervised Classification for Functional Data by Estimating the Density of Multivariate Depth”  
South Carolina-American Statistical Association, Columbia, SC

### Honors and Awards

- 2016 Scholarship for The Statistical and Applied Mathematical Science Summer School  
Optimization Program (SAMSI), University of North Carolina, Chapel Hill, NC
- 2016 Graduate Student Travel Grant for Joint Statistical Meetings  
University of South Carolina, Columbia, SC
- 2016 Boyd Harshbarger Student Travel Award for Southern Regional Council on Statistics  
American Statistical Association and the National Science Foundation
- 2015 Scholarship for Summer Institute in Statistics for Big Data  
University of Washington, Seattle
- 2012 Travel Award for 43<sup>rd</sup> Symposium on the Interface of Computing Science and Statistics  
Rice University, Houston
- 2012 Robert A. Patton Book Scholarship, Bowling Green State University, Ohio