

CONTACT INFORMATION	lin_zou@brown.edu	
RESEARCH INTERESTS	Biostatistics, Complex predictive modeling, Multivariate methods, Statistical/machine learning	
STATISTICAL SOFTWARE	R, Python, SAS	
EDUCATION	<p><b>Brown University</b>, Providence, RI.  <b>ScM</b> Biostatistics, May 2022.            Advisor: Stavroula Chrysanthopoulou.</p> <p><b>University of Minnesota – Twin Cities</b>, Minneapolis, MN.  <b>B.S.</b> Statistical Science, May 2020.            GPA: 3.589/4.0            Advisor: Jessica Nielson.</p>	
PUBLICATION	<b>Zou L.</b> , Pierce B., Nielson J. (2020). A Multi-modal Assessment of Clinical Predictors for Traumatic Brain Injury Endpoints. <i>Journal of Neurotrauma</i> .	
PROJECTS	<p><b>Zou L.</b> (2020). Exploratory Time Series Analysis of COVID-19 in Rhode Island and the United States. <i>PHP 2560 Midterm Project</i>.</p> <p><b>Zou L.</b> (2020). Survival Analysis of Skin Cutaneous Melanoma Data Retrieved from The Cancer Genome Atlas Program. <i>Undergraduate Capstone Project</i>.</p> <p>Group project. (2019). Particulate Matter and its Association in Asthma Outcomes. <i>Colorado Summer Institute in Biostatistics</i>.</p>	
WORK EXPERIENCE	<p><b>COVID-19 Agent-Based Model Research Group</b>  <i>Graduate Research Student</i></p> <ul style="list-style-type: none"> <li>Conducting a comprehensive literature review on time series and agent-based modeling of COVID-19</li> <li>Weekly meetings with advisor and research group to discuss findings from the ongoing literature review</li> </ul> <p><b>Nielson Computational Psychiatry Lab</b>  <i>Undergraduate Research Student</i></p> <ul style="list-style-type: none"> <li>Used R for factor analysis and ordinal logistic regression on TRACK-TBI pilot study dataset</li> <li>Optimized the TDAmapper R package to generate topological networks for TBI data from the TRACK-TBI pilot study dataset</li> <li>Weekly meeting with advisor to discuss progress on the manuscript and understanding of research literature</li> </ul>	<p>Sept. 2020 – Present  <i>Providence, RI</i></p> <p>Sept. 2018 – May 2020  <i>Minneapolis, MN</i></p>

**Colorado Summer Institute in Biostatistics**

June 2019 – July 2019

*Undergraduate Research Student**Aurora, CO*

- Completed two courses at University of Colorado School of Public Health:  
Introduction to Biostatistics Methods, Introduction to Statistical Theory
- Created R Shiny app for visualizing large biomedical dataset

**AWARDS**

Dean's List

Fall 2018/Spring 2019/Spring 2020

Nomination for Buehler Memorial Scholarship

Spring 2019

**GRADUATE  
COURSES**

PHP 2515 Fundamentals of Probability and Statistical Inference

PHP 2514 Applied Generalized Linear Models

PHP 2560 Statistical Programming with R

PHP 2516 Applied Longitudinal Data Analysis (Spring 2021)

PHP 2517 Applied Multilevel Data Analysis (Spring 2021)

PHP 2650 Statistical Learning and Big Data (Spring 2021)

PHP 2561 Methods in Informatics and Data Science for Health (Spring 2021)

**UNDERGRADUATE  
COURSES**

STAT 5303 Designing Experiments

STAT 4893W Communication for Statisticians

STAT 5601 Nonparametric Methods

STAT 5401 Applied Multivariate Methods

STAT 5302 Applied Regression Analysis

STAT 5421 Analysis of Categorical Data

STAT 4052 Introduction to Statistical Learning

STAT 4051 Applied Statistics I

STAT 5102 Theory of Statistics II

STAT 5101 Theory of Statistics I

STAT 3701 Introduction to Statistical Computing

STAT 3032 Regression and Correlated Data

MATH 4603 Advanced Calculus I

MATH 4242 Applied Linear Algebra

MATH 2243 Linear Algebra and Differential Equations

MATH 2263 Multivariable Calculus

CSCI 3003 Introduction to Computing in Biology

CSCI 1113 Introduction to C/C++

HINF 5394 Directed Research

ABUS 4023W Communicating for Results

PUBH 3350 Epidemiology: People, Places, Disease