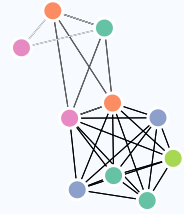




YICHI ZHANG



Highly motivated graduate student interested in psychometrics and statistical models. Focused on practical implications of measurement issues in applied research and performance of statistical models in robust methods. Passionate about fairness and accuracy of psychological assessment. Fast learners with strong desire to learn new areas in statistics and software. Dedicated team members with strong communication skills.



EDUCATION

- 2024
|
2019
- **PhD. Student, Quantitative Methods and Computational Psychology**
University of Southern California  Los Angeles, CA
 - Relevant Coursework: Applied Machine Learning, Multilevel Modeling, Bayesian Data Analysis, Classic and Modern Statistic Methods
 - **B.S., Mathematics, Psychology**
Dickinson College  Carlisle, PA
 - GPA 3.90/4.0
 - GRE 335/340
 - Pi Mu Epsilon National Honorary Mathematics Society
 - Psi Chi, the International Honor Society in Psychology

RESEARCH EXPERIENCE

- Current
|
2020
- **Research Assistant**
Measurement and Multilevel Modeling Lab  University of Southern California
 - Develop a Bayesian method for establishing measurement invariance and illustrate with a nationally representative sample of tenth graders
 - Extend the selection accuracy framework to multidimensions to illustrate the impact of item biases on selection decisions for personnel selections.
 - Conduct attrition analysis and reliability analysis in applied educational research.
 - Reviewed article using Item Response Theory framework to test measurement Invariance and article demonstrated reliability analysis in multilevel models.
 - **Student Researcher**
University of Southern California  Los Angeles, CA
 - Wrote functions for sentiment analysis and machine learning algorithms such as Perceptron classifier, Naive Bayes classifier and classification tree classifier.
 - Conducted Monte Carlo simulation to compare performance of evaluation methods in multilevel modeling for small samples with heteroscedasticity and outliers

View this CV online with links at
https://github.com/Yichi-Zhang2024/Resume-and-CV/blob/master/Yichi_Zhang_CV_2024

CONTACT

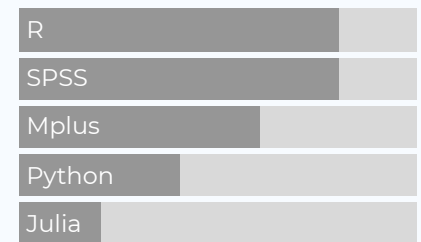
 yzhang97@usc.edu

in

<https://www.linkedin.com/in/yichizhang-312164201/>

 (213) 458-3486

LANGUAGE SKILLS



Made with the R package [page-down](#).

The source code is available on github.com/nstrayer/cv.

Last updated on 2020-12-04.

2019
|
2017



Undergraduate Researcher

Dickinson College

📍 Carlisle, PA

- Conducted an experiment on testing the role of appraisal among the relationship between bicultural and creativity
- Designed an experiment and collected data in a small research group about the impact of reminded stigma on gay and lesbians' cognitive depletion, brief fear of negative evaluation and positive affect
- Coded survey items about stereotypes of social classes into data

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TEACHING EXPERIENCE

2020
|
2019



Teaching Assistant

University of Southern California

📍 Los Angeles, CA

- PSYC 274 Lg: Statistics and PSYC 100 Lg: Introduction to Psychology
- Led lab sections of 50 students, planned lessons and activities
- Made tutorials on SPSS
- Graded papers and provided comments

2017
|
2017



The Quantitative Reasoning Center Tutor

Dickinson College

📍 Carlisle, PA

- Assisted students with questions about Math and Psychology



PUBLICATION AND CONFERENCE

2020
|
2020



A Bayesian Region of Measurement Equivalence (ROME) Approach for Establishing Measurement Invariance

Manuscript

- Authored with Mark H.C.Lai and Gregory J.Palardy
- Presented at the Annual Meeting of the Psychometric Society (IMPS) and accepted by Modern Modeling Methods Conference
- Used R posterdown package to make the poster



AWARD

2021
|
2020



First-Year Dornsife PhD Academy Psychology Department Research Award

Dornsife College of Letters, Arts and Sciences

📍 University of Southern California

- Awarded \$400

2020
|
2020



Psychology Department Travel Grant Award

Dornsife College of Letters, Arts and Sciences

📍 University of Southern California

- Awarded \$1000