

LINGLING ZHANG

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EDUCATION

Ph.D in Statistics , Southern Illinois University, Carbondale,IL	08/2019-08/2022
MS in Statistics , Southern Illinois University, Carbondale,IL (GPA:3.8/4)	01/2018-08/2019
BS in Statistics , Southern Illinois University,Shandong Normal University,China (GPA:3.4/4)	08/2013-08/2017

SKILLS

Languages	Chinese,English
Software	Matlab, C, R, Python, SAS, SQL, Microsoft Office,Latex
Diploma	Chinese Computer Rank Examination II, III diploma
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Leadership, etc

HONORS

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| • National Scholarship for Encouragement | 2016 |
| • Excellent Student Scholarship 3rd Class | 2016 |
| • Specialized Scholarship for Outstanding Academic Achievement | 2014-2015 |
| • Shenzhen Cup Mathematical Modeling Election Contest Class | 2016 |
| • 1st class Prize at Shandong Normal University&3rd class prize in Shandong Province | 2013-2017 |

CERTIFICATES

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- **Cousera-Foundations,data,data,everywhere Certificate**
This professional certificate has a strong emphasis on developing the skills that help you advance a career in Machine Learning. <https://www.coursera.org/account/accomplishments/certificate/ML4EBT8N7UR8>

PUBLICATIONS

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- Yinjiao Ma, **Lingling Zhang**, Christian Geneus, Haijun Gong. *Weighted Gene Coexpression Network Analysis of Prostate Cancer*, Proceedings of IEEE International Conference on Computational Advances in Bio and Biomedical Sciences (ICCABS), Miami, FL, USA (2015). <http://ieeexplore.ieee.org/document/7344728>
 - **Lingling Zhang**, David Olive. *Data Splitting Inference*, IL,USA, will be published in August 2022

RESEARCH EXPERIENCE

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- **Bioinformatics Research** 2015-2017
Collaborator: Prof. Haijun Gong, Department of Mathematics and Statistics, Saint Louis University, MO, USA

Apply weighted gene coexpression network analysis method and implement R code to identify gene modules specific to prostate cancer patients in African and White American. Learn dynamic Bayesian Network method to infer gene regulatory network from time series gene expression data.
 - **Undergraduate Statistics Research** 2016-2017
Supervisor: Prof. Qiang Zhao School of Mathematics and Statistics Shandong Normal University, Jinan, Shandong, China

Learn Bayesian computing methods, read the papers in Bayesian meta-analysis method and apply it to analyze sparse data.

- **Master's Research** 2018-2019
Supervisor: Prof.David Olive, Department of Mathematics and Statistics, Southern Illinois University, Carbondale,IL,USA

Prediction Intervals For Scaled Shrinkage Estimators (Master's paper)

- **Ph.D's Research** 2020-2022
Collaborator: Prof. David Olive, Department of Mathematics and Statistics, Southern Illinois University, Carbondale,IL,USA

Data splitting divides the training data set into two sets H and the validation set V . Data splitting can give valid inference for complicated data sets. We suggest a data splitting prediction region and a sequential data splitting method for lasso variable selection that can be used for multiple linear regression, Poisson regression, Binomial regression, and the Cox proportional hazards regression model with right censored survival times.

TEACHING EXPERIENCE

- 01/2018-05/2022 (graduate teaching assistant):
Teaching Intro to Contemporary Math(G),College Algebra, Short Course in Calculus

SOCIAL EXPERIENCE

- Saleswoman, Jiajiayue Supermarket, Weihai,China 01/2016-02/2016
- College Agent, Haiwen School for Graduate Exam Training, Jinan,China 10/2014-01/2015

REFERENCE

- **David ,Olive**
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