



Xiaolei Lu

Personal information

Degree Master

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GitHub github.com/LuXiaoEei

Education

2016 – 2019 **Master, *statistics***, Nanjing Normal University, *Score:344.5;Rank:3/76*.

2012 – 2016 **Bachelor, *statistics***, Nanjing University of Posts and Telecommunications, *GPA:3.85/5.00;Rank:1/77*.

2013 – 2016 **Bachelor, *communication engineering***, Nanjing University of Posts and Telecommunications, .

Research Experience

- **Semi-parametric model:**Combining the advantages of parametric and non-parametric models is a major branch of modern statistical models. It can more accurately describe the relationship between data. During the period of study, I has studied the estimation of a series of semi-parametric models, model checking, method of goodness-of-fit test, and the nature of large samples and limited samples, and further studied the method of model selection and variable selection based on half-parameters;
- **Image Processing:**The semi-parametric model is applied to image processing, including image denoising with jumps and restoration, and further combining image data, especially brain image data, regression and other statistical methods, can be used to diagnose and predict disease conditions. Using Block B-Spline for Image Edge Preserving denoising

Internship experience

Nanjing Tu Niu Hotel Business Department.

2016.04 – 2016.06

- Integrate rooms with different names but same room type;
- In the work, collect and summarize the problems encountered by team members and put forward opinions to improve the efficiency of team work.

Major awards

- 2017.11 The 14th China Graduate Mathematics Modeling Contest Third Prize
- 2017.10 the Excellent Graduate of Nanjing Normal University
- 2017.10 First class award of Nanjing Normal University
- 2016.11 The 13th China Graduate Mathematics Modeling Contest Third Prize
- 2016.10 First class award of Nanjing Normal University
- 2016.06 Outstanding graduates and Excellent dissertation of Nanjing University of Posts and Telecommunications
- 2015.12 3S Cup National University Biological Networking Technology and Application "Three Creations" Contest second prize
- 2015.10 Three good student model of Nanjing University of Posts and Telecommunications

Practice experience

- 2017.06 – 2018.06, I am the vice chairman of the Graduate School of Mathematical Science at Nanjing Normal University, responsible for the handling of the daily affairs of the Institute, coordinating the activities organized by various departments, and mainly responsible for the financial and statistical work of the seminar.
- 2014.05 – 2015.06, Complete provincial key (national level) innovation training program—Jiangsu Private Bookstore Survival Status and Development Study (project number: 201410293035Z), and obtained excellent conclusion.

Skill certificate

- NCRE-three
- NCRE-two
- CET-6 446
- CET-4 513

自述

- Skilled use of R, Matlab, Python, MySQL, SPSS, Excel and other statistical analysis software, understand Java, be able to read English paper, have some knowledge of data structure and algorithm;
- Not only familiar with the principles and applications of common statistical methods, but also familiar with the principles and applications of other statistical methods, such as Monte Carlo simulation, spline method, empirical likelihood, semi-parametric model, etc., and familiar with machine learning, data mining algorithms, Can solve practical problems;
- Enthusiastic, responsible, meticulous, cheerful personality, like to challenge themselves, adaptability.