HANG ZHANG

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EDUCATION

Sep 2021 - July 2024   **School of mathematical science, Nanjing Normal University   Jiangsu, China**
Master of Science in Statistics
- *Mentor:* Fengchang Xie (Professor, Doctoral Supervisor)
- *Research area:* Survival analysis in the medical field, focusing on Single index regression model with censored data.
- *Courses:* Advanced mathematical statistics, Econometrics, Longitudinal data analysis, etc.

Sep 2017 - July 2021   **School of Finance, Anhui University of Finance and Economics   Anhui, China**
Bachelor of Science in Economics (double major)
- *Courses:* Finance, Financial Engineering, Securities Investment, Financial Econometrics, International finance, etc.

Sep 2017 - July 2021   **School of Statistics and Applied Mathematics, Anhui University of Finance and Economics   Anhui, China**
Bachelor of Science in Mathematics (major)
- *GPA:* 90.43 / 100 (top3%)
- *Courses:* Mathematical analysis, Advanced algebra, Probability theory and mathematical statistics, Real variable function, Functional analysis, Ordinary differential equations, etc.

RESEARCH

Nov 2019 - Nov 2020   **Anhui University Students Innovation and Entrepreneurship Training Program   Anhui, China**
- *Project Name:* "Study on agglomeration effect and innovation path of Yangtze River Delta tourism Industry based on location entropy and PCA: A case study of eight cities in Anhui Province."
- *Project Summary:* By constructing EG index and PCA model, the structure and influencing factors of tourism industry agglomeration were analyzed from both qualitative and quantitative perspectives, providing theoretical basis and suggestions for the development of industrial agglomeration in multiple dimensions.

Dec 2019 - June 2020   **Anhui University of Finance and Economics research fund key project   Anhui, China**
- *Project Name:* "Research on "Trinity" green development level measurement of central cities in Yellow River Basin."
- *Project Summary:* The project innovatively constructs the coupled coordinated and integrated green development system of the Yellow River Basin and quantitatively measures nine central cities of the Yellow River with the help of TOPSIS model, and finally puts forward specific development proposals from the perspective of "ecology, science and

technology, and economy".

RELEVANT COMPETITION

Oct 2021 - Nov 2021   **China graduate mathematical Contest in Modeling**   **Jiangsu, China**
- Won the national second prize
- Mainly responsible for modeling, programming, and coordinating the team's paper progress. The topic is about the secondary modeling of air quality forecast. After reading a lot of literature and professional knowledge, TSI weather classification method, cluster analysis, neural network optimization and Gaussian diffusion model for space problems are finally adopted.

Mar 2020 - Aug 2020   **National college students Market research and analysis Competition**

Anhui, China

- Won the national first prize
- In order to analyze the current situation of Chinese comics and find the driving force for their rise, the team carried out this 7-month survey and research based on the views of Chinese comics creators, producers and consumers.
- Responsible for modeling and analysis, using Friedman test and multiple logistic regression models to analyze economic driving factors; Cochran test and grey correlation method are used to analyze the driving force factors of Chinese cartoon culture. Finally, the decision tree model is used to classify the manchu population. The final 122-page survey analysis report was completed.

INTERNSHIP EXPERIENCE

Mar 2021 - Sep 2021   **iFLYTEK Co., Ltd.**   **Anhui, China**
Business Analyst Assistant Intern
- *Data Analysis and Maintenance:* From the perspective of product sales channels, analyze the daily, weekly and monthly sales situation of different regions and agents, and output weekly and monthly reports of product lines of each business department according to product categories. More than 10,000 data sources are checked regularly every day to ensure 100% data accuracy.
- *BI System Development:* mainly responsible for the integration of resources, the overall architecture of all product lines, the early use of Excel to build the basic framework, as well as drawing and display UI design; Then through SQL and sails soft commercial development system to build the system.

Jan 2019 - Feb 2019   **East Money Information Co.,ltd.**   **Shanghai, China**
Securities and Investment Department Intern
- Participate in the analysis and writing of K12 education and training industry research reports.
- Taking "Zhonggong Education" as an example, this paper interprets the policies from a macro perspective, makes an in-depth analysis of the overall scale and status quo of the education industry, and then uses Python to forecast the price/earnings ratio (P/E), price/book ratio (P/B), market/sales ratio (P/S) and other indicators of Zhonggong Education. At the same time, it combs the financial statements and makes technical analysis of the stock, such as the golden section.

HONORS & AWARDS

Dec 2022	Nanjing Normal University Advanced Individual Honorary Title
April 2022	Nanjing Normal University Science and Technology Culture Star
Sep 2021	Nanjing Normal University First-class Scholarship for Postgraduate Studies
July 2021	Anhui University of Finance and Economics Outstanding Student Leader Award
July 2021	Anhui Province Outstanding Graduate Award
Summer 2019	National College Students Summer Social Practice Excellent Team (Leader)
2017 - 2021	First-class Scholarship, Guoyuan Securities Special Scholarship (top3%)

ADDITIONAL

Statistic Software	Python, MATLAB, SPSS, etc.
Languages Spoken	English (CET-6), Chinese Mandarin (Second class A)
Hobbies	Basketball, We-Media

(Updated July 2023)