TIANKAI LI

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EDUCATION

University of Science and Technology of China *09/2021 - 06/2025 (Expected)*
School of Gifted Young *B.S. in Statistics*
GPA: 3.6 (86.82/100), Major GPA: 3.83, Rank:20/56(09/2021 - 08/2023)
Selected Courses:

Real Analysis (94/100)
Applied Statistical Software (95/100)
Regression Analysis (92/100)
Linear Algebra 1 (88/100)
Time Series Analysis (96/100)
Functional Analysis (95/100)
Mathematical Statistics (87/100)
Linear Algebra 2 (87/100)

COURSE PROJECT

Development and Visualization of Double Eleven Shopping Festival Data Analysis Using R Shiny *04/2023 – 06/2023*
Course Project of "Applied Statistical Software", Lecturer: Prof. Canhong Wen
Result: code
• Conducted in-depth analysis on Double Eleven shopping festival data, considering factors such as gender, age, and income
• Developed and presented the analysis results through an interactive R Shiny website

A New First-Order Integer-Valued Autoregressive Model with Poisson Ailamujia Innovations *12/2023 – 01/2024*
Course Project of "Time Series Analysis", Lecturer: Prof. Yu Chen
Result: report, code
• Introduced INAR model with Poisson Ailamujia Innovations based on the binomial thinning operator and understood the moments of the model
• Used Conditional least squares, Yule-Walker, and Conditional Maximum Likelihood for estimating the parameters
• Emphasized our model's superiority over P-INAR(1) and PL-INAR(1) based on both AIC and BIC criteria when fitting real data

RESEARCH EXPERIENCE

Flexibility Design for Medical Consumables Kits *06/2023 – 11/2023*
Advisor: Prof. Lindong Liu
Result: presentation1, presentation2, presentation3
• Learned the long chain design for Online Resource Allocation Problem and Vehicle Routing Problem
• Proposed to modify the long chain design according to the SPD mode
• Incorporated additional nodes into the long chain design to accommodate medical consumables kits

Integration of Large Language Models and Knowledge Graphs *10/2023 – Present*
Advisor: Prof. Jie Wang
Result: presentation1
• Learned the fundamental framework of large language models and knowledge graphs

SKILLS

Programming	R (Familiar), Python (Intermediate), C (Beginner)
Tools	Photoshop, Latex, Microsoft Office, Markdown
English	TOEFL 95 24(R)+27(L)+21(S)+23(W)
Hobby	Badminton, Travel, LOL and Contract Bridge

AWARDS

- Mathematics competition of Chinese College Students *Second Prize 2022, Third Prize 2021*
- USTC Outstanding Students Award *Silver – 2022, Bronze - 2021*

EXTRACURRICULAR

Administrator, College Student Union *09/2021 - 06/2022*
- Oriented lecture for freshmen
- Organized a sports competition for fellow college students

Dais Member of the GC Model United Nations event in Ningbo *04/2022 - 08/2022*

Class Committee Member *09/2021 - Present*