YUTING LU

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EDUCATION

Columbia University   New York, NY
Master of Science, Operations Research   Expected Dec 2024

University of Illinois at Urbana-Champaign   Urbana, IL
Bachelor of Science   May 2023

- Double Major: Statistics and Economics
- GPA: 3.95 / 4.00
- Honors and Awards: Cum Laude, Highest Distinction in Statistics, Dean's List for Fall 2020, Spring 2021, Fall 2021, and Spring 2022
- Relevant Course Work: Advanced Data Analysis (SAS), Statistical Programming Methods (R), Data Science Programming Methods (Shell, SQL, and R), Python
- Publication: Yuting Lu. Crime Prediction Utilizing ARIMA Model (EMFRM-126) accepted by BCP Business & Management (2692-6165), 2022

RESEARCH EXPERIENCE

Study of FIFA 22 Players' Wage and Affecting Factors   Urbana, IL
Team Member of Group Project   Aug 2022 - Dec 2022

- Cleansed and consolidated dataset to get required data, and conducted data visualization to analyze average wage of FIFA clubs, getting data of clubs with highest average wage and distribution
- Utilized linear regression and Lasso regression separately to fit wage of football players at 4 positions and studied influencing factors and influencing degrees of different positions on players' wages
- Compared two fitting results and got conclusion Lasso regression is more suitable to analyze relationship between abilities and wages of football players

Shiny APP – NBA Draft Data   Urbana, IL
Director: David Dalpiaz   Aug 2022 - Dec 2022

- Developed an APP with R Language to predict future performance of players using statistical plus/minus over years 2-5 of players' NBA career
- Applied the NBA Draft data from 2001-2015 as a dataset and set three inputs (year, name, and position) to realize function of data screening to get prediction data of player's performance

Introduction to Probability and Statistics Research Seminar   Remote
Director: Professor Patrick from the University of Oxford   Jun 2022 - Aug 2022

- Proposed a project using 3 machine learning methods to predict crime in certain area
- Learned materials on statistics and probability and reviewed journals and papers about machine learning

PROFESSIONAL EXPERIENCE

HD Education   Remote
Math Tutor   Jun 2021 - Jun 2022

- Provided online courses and recorded videos 6 times in a semester to give guidance and academic help in student educating
- Mentored 56 students getting desired grades such as A and A+
- Won the 2021 Best Tutor Award among over 2000 candidates

ByteDance   Beijing, China
Internship, Assistant Data Analyst   Jun 2023 - Aug 2023

- Ran a program applying Python to help clean millions of data with another colleague
- Led group reporting millions of data from e-commerce and life service departments to Market Supervision Administration for collecting and assessing
- Gathered laws and cases in 3 months from websites of regional Market Supervision Administration and created into a chart for evaluating
- Applied SQL to make dataset and finally produced over 20 charts and graphs in a board for 5 separate sections

SKILLS

Python, R, SAS, SQL, Shell