

Xinya Dan

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EDUCATION & SKILLS

University of Illinois, Urbana-Champaign, IL, USA **Aug.2021-Present**

Major: Statistics

Degree: Master of Science (expected December 2022)

Nanjing Agricultural University, Nanjing, China

Sept.2017-Jun.2021

Major: Statistics

GPA: 85.16/100

Degree: Bachelor of Science

Relevant Courses: Python in Data Science, Statistical Model, Nonparametric Statistics, Regression Analysis, Stochastic Process, Time Series Analysis, Multivariate Statistical Analysis, Mathematical Modeling and Experiments, C Language Programming, Computer Operation Training (R Statistical Software), Advanced Algebra II, Econometrics.

Computer Skills: Python, SQL, R, SPSS, EViews, Excel

PROFESSIONAL EXPERIENCE

Alibaba, Ant Financial Services Group, Associate Analyst

Oct.2020-Nov.2020

- Used SQL to complete data cleansing and feature analysis, selected the significant predictive characteristics by WOE and IV, and built a logistic regression model by Python to predict the risk level of users' behavior
- Wrote description variables according to the significance characteristics obtained from the analysis, assisted in the formulation of daily policy rules and participated in AB experiment before deployment

Nielsen, Big data team, Associate Analyst

Aug.2020-Sept.2020

- Manipulated the original data of Volvo car owners' unfiltered opinions on brand, model, marketing and after-sales service across different network platforms and social channels using Excel
- Prepared pivot tables and generated monthly reviews and evaluation reports of Volvo
- Made PPT slides and performed presentation to help our clients make optimal marketing strategies and performance
- Compared the trend of brand volume and popularity between Volvo and other five competitors through Excel covering 17 aspects including power, equipment, exterior, interior, space etc., and proposed appropriate actions to distinguish competitive advantages and fill in gaps

ACADEMIC EXPERIENCE

Multivariate Statistical Analysis Course Project

Mar. 2020-Jun. 2020

- Adopted the principal component analysis combined with factor analysis to analyze regional economic strength, economic growth disparities, and overall economic development of China through R
- Searched for data of 8 economic indicators in 30 provinces, created the correlation matrix between pairs of 8 variables, drew the scatter diagram and used regression analysis to verify the result of factor analysis
- Organized group discussion and finished a 5000-word paper

Mathematical Modeling and Experiment Course Project, Team Leader

Sept.2019-Oct.2019

- Built the linear programming model using Lingo to achieve the minimum cost of steel pipes
- Wrote a C language program to calculate and list all steel pipe cutting methods instead of using the enumeration method to improve the accuracy; completed a 2000-word paper, made 19-page PPT and performed the presentation

EXTRACURRICULAR EXPERIENCES

- Volunteer of the 10th GCHERA World Conference

Oct.2019

- Member of college chorus and performed in university activities

Sept. 2018