

Weixuan Zhang

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SUMMARY

- SAS Advanced Certified Programmer (Macro and SQL under UNIX/Windows environment).
- 2+years experience in data analysis and statistical modeling.
- 2 years experience with SAS, JMP, R, SPSS to extract, organize, and analyze large data sets.
- Proficient in experimental design and analysis with a variety of designs.
- Strong organization skills and experience working in teams

COMPUTER SKILLS

- Proficient in SAS, JMP, R, SPSS, Microsoft Office (Excel, Word, PowerPoint).
- Experience in Matlab and Eviews.

EDUCATION

Master of Science in Statistics May, 2015

University of Delaware, Newark, DE GPA: 3.76/4.0

Relevant Coursework: Probability, Mathematical Statistics, Regression, Design of Experiments, Data Management (w SAS), Logistic Regression, Multivariate Analysis,

Methods Utilized: Regression, General Liner Model, Logistic Regression, Mixed Model, ANOVA, MANOVA, Repeated Measure Analysis, Factor Analysis and Principal Component Analysis, Cluster Analysis

Bachelor of Management, Concentration: Logistics Management July, 2013

Beijing Technology and Business University, Beijing, China GPA: 3.5/4.0

WORK EXPERIENCE

Teaching Assistant, Economics of Agriculture and Natural Resources Sept, 2014-Present
University of Delaware, Newark, DE

- Graded assignments and exams and introduced economic and management principles.
- Utilized Excel to calculate and graph production cost and supply.

Graduate Researcher, University of Delaware, Newark, DE Summer, 2014

Analysis of Delaware's Changing Labor Force Participation Rate from 2000 to 2013

- Built a time series of the Delaware labor force from the Bureau of Labor Statistics.
- Used Excel to summarize data Labor Force Participation Rate with pivot tables.
- Downloaded data from Current Population Survey and developed a case study with SAS.

RESEARCH EXPERIENCE

Buffalo Snowfall Data and Old Faithful Data in 1910-2014 Apr, 2015

- Utilized Matlab to test differences in the Buffalo snowfall data, 1910-1963 and 1964-2014.
- Fitted mixture of normal distributions to the Old Faithful data using Akaike information criterion (AIC).
- Conducted a goodness-of-fit test to see whether the Buffalo snowfall data is normal.

Experiment Design of Willingness to Pay for Organic and Conventional Apples Nov, 2014

- Used R to conduct MANOVA to test whether the demographic variables have influence on the result.
- Conducted paired t-test to demonstrate that there's a significant difference between groups.
- Utilized JMP to make a distribution of organic and conventional apples and show the basic statistics.

Medicare Provider Variables in 2013 Apr, 2014

- Searched the web and used SAS Proc Contents to understand data structure of a large data set.
- Selected a random sample and used SAS to analyze self pay per service.

Daily Sea Ice Extent in the North and South Poles from 1978 to 2012 Oct, 2013

- Used JMP to develop a data reduction strategy for daily data by taking the monthly average.
- Utilized JMP to analyze data and provided graphical representation of sea ice extent over time.