

Objective

Seeking a position as Data Analyst, SAS Programmer, Statistician.

Educations

- ✧ M.S. Eastern Kentucky University (EKU), Richmond, KY, USA; December, 2007;
Major in Mathematical Sciences – Statistics, Overall GPA: 3.92/4.00;
Graduate Assistantship, First Rank International Merit Scholarships awarded by EKU.
- ✧ M.E. University of Petroleum (UPC), Beijing, China; June, 1999;
Major in Chemical Technology, Research Scholarship.
- ✧ B.E. Shenyang Institute of Chemical Technology (SYICT), Shenyang, China; July, 1996;
Major in Chemical Process, First Rank Scholarship, Outstanding Performance Student,
Excellent Member of Social Practice.

Relevant Coursework

- ✧ At EKU
Mathematical Statistics I & II, Statistics Methods Using SAS, Experimental Design, Nonparametric Statistics, Biostatistics, Theory of database system, Concepts of Programming, Combinatorics, Modern Algebra I & II, Complex Analysis, Real Analysis.
- ✧ At UPC and SYICT
Numerical Value Analysis, Engineering Mathematics, Advanced Math I & II, Arithmetic & Computer Language;
- ✧ There are a lot of courses about computation and models in chemical engineering such as Chemical Engineering Thermodynamics, Theories of Chemical Engineering.

Technical Skills

- ✧ Statistical Techniques: data analysis, mining, modeling, statistical simulation, computing, experiment design and etc;
- ✧ Statistical Packages: SAS, SAS Macro, SQL, SAS ODS, CART, Minitab, StatXact;
- ✧ Databases and Warehouses: Oracle, SAS SQL, MS Access;
- ✧ Proficiency in MS Office (Word, Excel, PowerPoint, Access, Visio);
- ✧ Computer Programming Languages: Java, C, Fortran, HTML.

Professional Certificates

- ✧ Base Programmer for SAS^{®9};
- ✧ Advanced Programmer for SAS^{®9}.

Selected Projects

- ✧ Studying the background of students in EKU
Based on about 1,000 observations, create data sets from raw data files in different formats, define new variables, create reports using tables, plots and graphs, create different format output files;
- ✧ Constructing the predictive value model of real estate
Data are randomly from <http://msweb01.co.wake.nc.us/realestate/search.asp> about homes in Wake

- County, NC, construct the predictive model using correlation test and regression;
- ✧ Studying the effect of price changes and product types on high definition LCD TV
Base on the data of sales in northern America from Haier, use ANOVA to study the effect of the price changes, the effect of the product types and the interactions;
- ✧ Constructing the forecast model of gas sales
Based on the sales monthly form 1984 through 1990, construct the forecast model by trend-seasonal analysis;
- ✧ Studying association of blood lead levels and blood pressure
Based on 595 observations, construct the model using log transformation and linear regression, use plots to check the model;
- ✧ Studying association of arsenic exposure from drinking water and birth weight
Based on 810 observations, create descriptive tables, do statistical tests, use multiple linear regression;
- ✧ Studying the survival of patients following admission to an adult intensive care unit (ICU)
Based on about 200 observations, develop a screening test, plot ROC curves, predict the probability of survival until discharge for patients admitted into an ICU using multiple logistic regression;
- ✧ Studying the affective factors of carbon-monoxide (CO) level for those just quit smoking
Based on 234 observations, use survival analysis techniques.

Work Experience

- ✧ Department of Mathematics and Statistics in EKU
Teaching Assistant, August 2006 – December 2007;
- ✧ Beijing Huanlike Environmental Engineering Company, Beijing, China
Project manager, March 2001 – May 2005;
- ✧ Sound Environment Group, Beijing, China
Project manager, September 1999 – March 2001;
- ✧ Environment Center in UPC;
Research and Teaching Assistant, June 1997 – April 1999;
- ✧ Department of Chemical Engineering in SYICT.
Research Assistant, September 1995 – July 1996.

References Available Upon Request