**Xiao Yin**

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**Education**

University of Minnesota, Twin CitiesMinneapolis, Minnesota

**Master of Science, Statistics**; (attended some PhD-level courses)Expected Graduation: May2016

**Minor in Applied Economics;**Graduated in December 2014

Xiamen UniversityXiamen, Fujian, China

**Bachelor of Science, Mathematics and Applied Mathematics-**Graduated in June 2013Undergraduate Class ofExcellence (top 20%)

**Working skills**

Statistical modeling; data analysis; data mining; data cleaning; data management; database; machine learning; data visualization; data quality analysis; quantitative analysis; mathematical analysis; time series analyses; business analyses; financial analyses; team leading; communication; writing skills.

**Computer skills**

Expert: MS Office (Word, Excel, Power Point), R,SAS,VBA, SQL, C, SPSS, Python, Tableau

**Work Experience**

●**Syngenta** Minnetonka, Minnesota

Statistical Intern& Data Analyst July 2015 to present

Created macro programming in VBA for projects;used vlook up to analyze data;data standardization; created SQL queries to pull data from database and made statistical modeling; data mining; time series analyses; genetic analyses; predictive modeling;survival analyses; present statistical results.

●**School of statistics, University of Minnesota**  Minneapolis, Minnesota

Teaching Assistant August 2014 – January 2015

Taught students basic theories of probabilities and statistics; helped the instructor prepare for lectures;held office hour.

●**Beijing Guo Rong Xing Hua Assets Appraisal Co, Ltd** Beijing, China

Intern& ResearcherJune 2012 – September 2012

Data collection (Pivot able);modeling and simulation in industrial valuation and risk measurement; used different business models to analyze problems.

●**Yunnan Circular Economy Investment Co (YCEI)**Kunming, Yunnan, China

Intern June 2011– September 2011

Initiated an analytical project in establishing a financial model in risk analysis for municipal solid waste treatmentvia method of resource recycling.

**Research Experience**

●**Evaluation of predictive ability of genomic selections by Syngenta sunflower datain R**Minneapolis, Minnesota

ResearcherJan2016toPresent

Evaluate predictive ability of sunflower data(high dimensional) set for progeny selection by rr-BLUP, GBLUP and Bayesian Lasso(MCMC iterations); provide recommendations for progeny selection using genomic selection approach to sunflower GPLs (Genetic Project Leads Team).

●**Analysis on crimerate in USA in R** (Datamining project) Minneapolis, Minnesota

ResearcherJanuary 2015 to Present

Clean the data set; Reduced dimension of the data; using SCAD, MCP, LASSO to make the model selection; using residual plots to compare their performances; predicting the crime rate for the following 10 years

●**Categorical analyses on customers complaints database in VBA& R** (Consulting project)Minnetonka, Minnesota

One of two core researchers July 2015– September 2015

Used VBA to clean the database; provided classified analyses for different requirements; made four-way non-parametric dependencies test for contingency tables; established a survival analysis for derogative parts.

●**Analysis on home line project in R (**<http://www.homelinemn.org/>**)** (Consulting project)Minneapolis, Minnesota

Team member June 2014 –May 2015

Made data mining in transaction data; select models to predict different response variables; contact the clients and update the process of the project; wrote parts of the report for the clients; used time series analysis for some goals.

●**Analysis on Boston housing price in R and SAS**(model selection)Minneapolis, Minnesota

Team leader October 2013 – November 2013

Modified the data set; used AIC, BIC, Cross-Validation, LASSO to make the model selection; compared different model selection methods; predicted future housing price in Boston; wrote the final report; made a presentation on behalf of our team.