SHUN AN HSIEH

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EDUCATION

National Central University, Taiwan *2010 Fall- 2014 Spring*
Bachelor of Science, Majored: Mathematics

University of Kentucky, United States *2016 Fall- Present*
Doctor of Philosophy, Major: Statistics GPA(3.65)

PROJECTS

Relationship between air pollution and mortality *2017 Spring*
Supvervisor: Dr. Solomon Harrar, Department of Statistics, UKY
Goal: Given several air pollution and demographic variables, we aimed to find out the specific ones which truly influenced the death rate and build regression models to forecast death rate for the future
Responsibility:I was assigned to data cleaning and management, programming, variable selection, data visualization, model building.
Result:Using R, we successfully found influential variables from the assumption, and built regression models with these variables for our researchers who need further studies and forecast.

Relationship of Absence rate in Kentucky elementary school and race *2017 Summer*
Goal: We hope to understand whether absence rate of school in Kentucky will be influenced by race.
Responsibility I was assigned to do data cleaning, management and make the data organized for further studies.

TEACHING EXPERIENCE

University of Kentucky, Teaching Assistant *2016 Fall -Present*

1. Statistical 643: Design of Experiment
   - Class sizes: around 10 - 25 Students
   - Responsibility: Explaining materials, Grading, Programming and Data visualization
2. Statistical 674: Linear Analysis
   - Class sizes: around 30 - 50 Students
   - Responsibility: Explaining materials, Grading, Programming and Data visualization
3. Statistics 296: Statistical Method and Motivations
   - Class sizes: around 40 - 130 Students
   - Responsibility:Lecturing, Recitation Explaining materials, grading homework and exam,
4. Statistics 210 Introduction to Statistical Reasoning
   - Class sizes: around 70 - 130 Students
   - Responsibility: Explaining materials, grading homework and exam,

MEMBERSHIP

- American Statistical Association *2017 Fall -Present*

PROGRAMMING LANGUAGE AND PROFESSIONAL SKILLS

R Python, SAS SPSS, JMP MS Office, LaTeX