https://github.com/chunhuayu

Chunhua Yu

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EDUCATION:

- **Master of Science in Applied Statistics** — May 2019
  Wright State University, GPA: 4.0/4.0 — Dayton, OH
- **Master of Science in Optical Engineering** — March 2007
  Tianjin University of Technology, GPA: 3.5 /4.0 — Tianjin, China
- **Bachelor of Science in Electronic Information Science and Technology** — June 2004
  Tianjin University of Technology, GPA: 3.4 /4.0 — Tianjin, China

RELEVANT COURSEWORK:

- Theory of Statistics
- Time Series Analysis
- Clinical Trials
- Method of Statistics
- Computational Statistics
- Applied Regression Analysis
- Machine Learning
- Linear Algebra
- Environmental Statistics

TECHNICAL SKILLS:

- **Programming languages:** SAS, Python (numpy, matplot, pandas)
- **Scripting languages:** R (clinical package, TAS, ggplot2, Car, Cars)
- **Database:** MS SQL， MS Access, MS Excel

PROJECT EXPERIENCE:

- **A Needs Assessment of Staff and Providers at a Free Primary Care Clinic**
  Analyzing data with simple linear regression and logistic regression, Pearson's correlation, Paired T-Test. Writing and presenting specifications and reports.
- **Bariatric Complications**
  Descriptive statistics for categorical variables, processing, analyzing and interpreting data sets using SAS, R. Analyzing data with ordinary logistic regression.
- **Huntington's Disease**
  Running a mixed effects ANOVA model with a random effect for dependent variables.
- **Canadian HARE Data in Time Series**
  Applying a box cox transformation. Performing the Shapiro-Wilk test of normality. Fitting ARIMA Model.

CERTIFICATIONS:

- **SAS BASE programmer**
- **SAS Advanced programmer**

HONORS AND AWARDS:

- **2019 Graduate Student Excellence Award for Applied Statistics program, Wright State University**

ADDITIONAL EXPERIENCE:

- **Graduate Teaching Assistant in Department of Science and Mathematics, WSU** — Aug 2018 – May 2019
  Teaching Elementary Statistics in R
- **Nexans (China) Wires & Cables Co., Ltd** — May 2016 – April 2017
  Commercial Supervisor
- **Yangtze Optical Fibre and Cable (Shanghai) Company Ltd.** — April 2007- April 2016
  Quality Control Supervisor