

Yidan Huyan

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EDUCATION

Texas A&M University | College Station, TX

August 2018 – August 2020

Biostatistics, Master of Public Health

Major GPA: 3.80

Michigan State University | East Lansing, MI

August 2013 - August 2017

Human Biology, Bachelor of Science

Completed 148 cumulative credits, Statistics & Calculus GPA: 3.72

LEADERSHIP

Biopharmaceutical summer academy group project leader | Remote, UConn

August 2020

Topic: Data visualization of a clinical trial in Phase II and Phase III

- Conducted analyses for both SDTM and ADaM datasets provided by Amgen Inc.
- Visualized trial characteristics and outcomes via table and figures (heatmap, density plot, bar chart).
- Came up the future dosage selection of Phase IV by comparing placebo and treatment groups via plots.
- Selected as final presenter out of 8 participated groups, designed and delivered oral final presentation.

Biostatistics course final project leader | College Station, TX

Fall 2019

Director: Dr. Hongwei Zhao, Texas A&M University

Topic: Risk factors associated with ICU mortality.

- Performed statistical test to measure the risk factors associated with ICU mortality.
- Selected model by stepwise selection, writing an interpretation of analysis results and description of statistical methods used.
- Created tables and figures in publication-quality form summarizing the results of statistical analyses.

Project leader in laboratory study | East Lansing, MI

Fall 2015

Director: Lawrence Sonya, Michigan State University

Topic: Age differences and photosynthesis efficiencies in Acer trees.

- Operated the MultispeQ device to collect ΦII & SPAD III data from leaves.
- Identified the relationship between age and photosynthesis efficiencies of Acer trees by statistical test.
- Wrote lab reports and designed a poster for project presentation.

WORK EXPERIENCE

Statistical Consultant & Volunteer Research Assistant | College Station, TX

August 2020 – Present

Preceptor: Dr. Lixian Zhong, Texas A&M University

Topic: SGLT2i use and risk of lower-extremity amputation.

- Provided technical planning to include overseeing the set-up of key macros and Stata program.
- Develops the customized codes to utilize existing tools and applications to provide the outputs or to validate outputs for clinical bioinformatics.
- Performed survival analysis, logistic and linear regression on client datasets.
- Self-learned and preformed statistical knowledge in areas including clinical trials and programming.

Student Technical Worker | College Station, TX**May 2020 – August 2020**

Preceptor: Dr. Lixian Zhong, Texas A&M University

Topic: Neonatal abstinence syndrome in Texas.

- Evaluated a recommend study design based on identified strengths and weaknesses and desired study goals.
- Wrote a literature review to translate research questions into testable hypotheses.
- Wrote a data brief for analysis data sets which originally recorded in ICD-9 & ICD-10 form.
- Analyzed weekly study results and statistical methods and presented them orally to PI and co-workers.

Volunteer Student Research Assistant | College Station, TX**August 2019 - August 2020**

Director: Dr. Xiaohui Xu, Texas A&M University

Topic: Association between indoor air conditioner temperature and US obesity.

Physical activity, diet and their divergence of obesity in US.

- Performed data cleaning and adjusting of the National Health and Nutrition Examination and Survey.
- Calculated the prevalence of obesity of different groups by demographical factors.
- Performed statistical test to measure the dependences and relationship among variables.
- Wrote literature reviews of the divergence of obesity in diet and leisure activity.
- Transcoded the dataset and statistical code from SAS to Stata and R form.

Volunteer Student Research Assistant | College Station, TX**July 2018 - August 2019**

Director: Dr. Annette Regan, Texas A&M University

Topic: Quit smoking and e-cigarette usage among pregnant women.

- Collaborated with Epidemiologist in updating database design.
- Analyzed dataset to interpret the effectiveness of e-cigarette to quit smoking.
- Interpreted relapse rate of women after giving birth and provided results.

HONOR**Dean's List****Summer 2015 & 2017****SKILLS****Computer:** Proficient -- R, SAS, Stata, Excel/Word/PowerPoint

Familiar – Minitab, Photoshop

Beginner – Python, LaTeX

Languages: Chinese-Mandarin (native), Japanese (general)**ACHIEVEMENTS****SAS Certified Base Programmer for SAS 9****Certificate of Outstanding Completion in 2020 UConn Summer Academy****WORK AUTHORIZATION**

Eligible to work in U.S. for 36 months with STEM Optional Practical Training.

10.2020-10.2023

VOLUNTEER

Sparrow Hospital | East Lansing, MI

Fall 2017 – August 2018

McLaren Hospital | East Lansing, MI

Fall 2017 – August 2018

Xi'an Angel Commonwealth Union | Shaanxi, China

December 2015