Yidan HUYAN

fayhyyd.me | fayhyyd@yahoo.com | 2543 Teal Drive, College Station, TX 77840 | (517)-775-5882

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 most effective dosage selection 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-learnt 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.

Student Assistant | College Station, Texas   **May 2020 – August 2020**
Preceptor: Dr. Lei-shih CHEN, Texas A&M University
Topic: Texas Chinese community health worker project.
- Interpreted the analyzation results and defined the weaknesses of the questionnaire design.
- Designed project website and did its English-Chinese language translation.
- Typed more than 20 hours of research interview audio records into around 200 thousand words form.

Medical Laboratory Technician | Yunnan, China   **December 2015 - January 2016**
Director: Prof. Xuemei JIA, Kunming Medical University
Topic: Study of genetic differences among *Schistosoma japonicum* in three locations in Yunnan, China.
- Analyzed laboratory data using R studio.
- Assisted Parasitologist in design database by literature reviewing.
- Prepared PCR test to amplify and sequence mitochondrial of *S. japonicum*.

HONOR
Dean's List   **Summer 2015 & 2017**

SKILLS
Computer: Proficient -- R, SAS, Stata, Excel/Word/PowerPoint; Familiar – Minitab, Photoshop
Languages: Chinese-Mandarin (native), Japanese (general).

ACHIEVEMENTS

SAS Certified Base Programmer for SAS 9
Certificate of Outstanding Completion in 2020 UConn Summer Academy

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

EXTRACURRICULAR ACTIVITIES

JiuGe Chinese Culture Club | Michigan State University
MDO Anime Club | Michigan State University
Graduate Student Hiking Club | Texas A&M University
COC Board Role-playing Games Club | Texas A&M University

COURSES

Mathematics
Calculus I&II, Linear algebra, Multivariable calculus, Matrix algebra
Statistics
Distribution theory, Methods of statistics, Data mining & analysis, Regression analysis
Biostatistics
Biostatistics I&II, Categorical data analysis, Analysis of longitudinal multi data, Survival analysis, Data management
Public Health
Epidemiologic methods, Public policy, Health promotion
Biology
Nutrition, Cells and molecules, Human genetics, Psychology, Microbiology, Immunology, Human gross anatomy
Chemistry
General chemistry, Organic chemistry I&II

RESEARCH INTERESTS

- Survival Analysis
- Oncology Study
- Clinical Trials
- Data Visualization
- Overdose Prevention