ZHUOLIN WANG

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA   Los Angeles, CA
Master in Biostatistics   August 2018 – May 2020

- Current GPA:4.00/4.00.

JINAN UNIVERSITY (under "211 Project" and "985 Project")   Guangzhou, China
Bachelor in Biological Science   September 2014 – June 2018

- Cum GPA:3.64/4.00, Ranking top 7/56.
- University-level 2nd Class Scholarship for both Academic Excellence and Comprehensive Assessment.

COURSERA STUDY   July 2017 – August 2017
R Programming by Johns Hopkins University (Graded with 93.0%)

EXPERIENCE

PREDICTION MODELS FOR NATIONAL INPATIENT SAMPLE(NIS) DATA   March 2019 – April 2019
Researcher

- Structured data cleaning and pre-processing by characters of inpatient sample information.
- Developed and tested seven prediction models for mortality and hospital length of stay.
- Performed feasibility study to explore new models and new tuning parameters for increasing the model performance.

EXPLORING THE EFFECT OF EDUCATIONAL INTERVENTION AND SUPPORT STRATEGIES ON CIGARETTES SMOKING   March 2019 – May 2019
Academic Project

- Investigated the best sample size by power analysis with variance and mean of subjects from pilot studies.
- Developed a randomized block design to assess two main effects, find best combination for smoking people.
- Applied knowledge of statistical models and software to interpret experimental study results, provide recommendations and justifications for future use.

RISK FACTOR FOR CLOSTRIDIOIDES DIFFICILE   June 2019 – August 2019
Researcher

- Applied univariate analysis and multivariable analysis to evaluate risk factors for *Clostridioides Difficile*(C.diff).
- Built and tested four prediction models of logistic regression and explored the importance of risk factors chosen above.

CHARACTERIZING LOCATIONS AND DURATIONS OF BURN PIT EXPOSURES IN SOUTHWEST ASIA, DJIBOUTI, AND AFGHANISTAN (SADA) USING SATELLITE OBSERVATIONS   September 2019 – Present
Researcher

- Applied hierarchical density-based clustering to identify persistent sources of burning, minimizing distance between base and identified fires.
- Provides constructive feedback timely and follow leadership directives at appropriate times.

EFFECT OF PATIENT RELATED PARAMETERS ON ACCURACY OF FOCUSED ASSESSMENT WITH SONOGRAPHY FOR TRAUMA (FAST)   November 2019 – Present
Student Worker

- Conducted logistic regression to analyze correlation between FAST incorrect outcomes and related patient variables.
- Liaised between hospital and project department to summary data information ahead of schedule.

AWARDS & SKILLS

- 1st Prize in the Best Visualization Category at the hackathon organized by Orange County R Users Group in association with University of California Irvine (11/2019).
- SAS Certified Base Programming for SAS 9 and SAS Certified Advanced Programmer for SAS 9 (01/2019).
- Volunteer for the 7th Annual Global Supply Chain Excellence Summit in USC Marshall School of Business (08/2019).
- R, SAS, STATA, SPSS, PASS.