

Yimeng SHANG

Education

Columbia University in the city of New York (M.S. in *Biostatistics, Theory and Methods*)

08/2019 – Expected 05/2021

East China Normal University (B.S. in *Mathematics and Applied Mathematics*) 09/2015 - 06/2019

International Study Program, University of California, Berkeley (*Math & Stat*) 08/2017 - 05/2018

Internship Experience

Eli Lilly China Shanghai, China

Intern Data Sciences & Solutions 09/2018 – 06/2019

- Support data management work in clinical trials under supervision of China DSS team and participate in the discussion of statistical methods applied for process design of clinical trials
- Perform consumer data mining via R, business impact analysis and quantitative analysis of possible interference risks during clinical trials and organization operation
- Use SAS for database management and statistical analysis based on new evidence research policy

Business Development Dept., Cargill (China) Shanghai, China

Business Analyst Intern 06/2018 - 09/2018

- Conducted SWOT analysis of competitors' financial and market share reports, created data analysis template and fitting function diagrams to show competitors' trends, and drafted key competitor movement earning call report
- Created database via Access for industry news since 2016, and finished competitive analysis report and market opportunities spaces analysis report independently

Research Experience

Dynamics of Ebola Transmission

Independent Study, Advised by Professor Ping BI 10/2018 – 06/2019

- Use R to produce time-based graphics indicating number of infections, death toll and infectious victims based on infection cases and death data and realize function fitting via linear regression
- Describe Ebola outbreak with SEIR dynamic system model, studied existence and stability of balance point with MATLAB and verify solution stability in the method of numerical simulation

Statistical Methods in Medical Research and Development

Independent Study, Advised by Professor Jin XU 08/2018 – 09/2019

- Referred to medical research papers concerning medicines from top 10 pharmaceutical companies around the world and write summaries of the adopted statistical methods
- Attend weekly seminars related to statistical methods of medical journals for clinical trials

Additional Information

Computer Skills: R, SAS, SPSS, MATLAB, Python, C++, Microsoft Office Access, Excel