

SHAN JIANG

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EDUCATION

Mailman School of Public Health, Columbia University <i>M.S.in Biostatistics (Theory and Methods Track)</i> <i>Expected May, 2020</i>	New York, NY <i>Overall GPA: 3.86/4.00</i>
Central University of Finance and Economics <i>B.A. in Sociology (With a minor in Economics)</i> <i>Sep 2014 - Jul 2018</i>	Beijing, China <i>Overall GPA: 3.91/4.00</i>
Johns Hopkins University <i>Exchange student</i> <i>Aug - Dec 2016</i>	Baltimore, MD

TECHNICAL STRENGTHS

Computer Languages	Python, R, SPSS, SAS, STATA
Software & Tools	Gephi, Tableau, HTML, LaTeX, MPLUS, ConQuest

RESEARCH PROJECTS

Enforcement Evaluation of Nurse Practitioners Act in NY State Center for Health Policy Research, Columbia University (NCSBN funded) May 2019 - Now
Responsible for data validation and collapse, merge macro American Community Survey data with microscope SKA data in STATA.

Energy Insecurity Index Instrument Construction Feb 2019 - Now
Department of Social-Medical Sciences, Columbia University
(Co-author with prof. Diana Hernandez) Conduct PCA, Factor Analysis and fit multidimensional Rasch model for item reduction in Survey Analysis

Bangladesh Domestic Migrants living Condition Analysis Evidence from DHS and MOP Data (USAID funded, supervised by prof. Yao Lu) Jun - Aug 2019
Independently write STATA code for data cleaning and management, hypothesis testing.
Formulating research questions with prof. Yao and finalizing detailed report for living condition comparison for Bangladesh Domestic Migrants

Insights into Social Unrest in post-2000s China: perspective from village-level data
Department of Sociology, Columbia University Jun 2019 - Now
(Research Assistant for prof. Yao Lu)

Social Network Visualization: draws from 100 cities and provinces in China

(Research Assistance for Ph.D Chao Zhang in Tsing Hua University)

Apr 2019

Data visualization and regression analysis for Sampled 100 cities' data from China, responsible for drawing network graph in Gephi.

Application: Data Science Job outlook through Text mining in R

P8105 Data Science Final Team Project

Nov - Dec 2018

Data visualization, flex-dashboard presentation and text analysis draws from data scraped and cleaned from Indeed website, containing 7,000 data scientist jobs around the U.S. by August 3rd, 2018. ([Link here](#))

Team leader and surveyor, China Health and Retirement Longitudinal Study

Social Science Institute, Peking University

Mar - June 2017

Received rigorous training in survey design and inquiry skills

Collected questionnaire data from over 3,000 household in an assigned sample unit in Beijing

ACADEMIC ACHIEVEMENTS

Ranked in the School-wide Top 1%, Department of Sociology

Dean's List, School of Social Development, Central University of Finance and Economics

First-class Scholarship, Central University of Finance and Economics

Study Abroad Scholarship, Central University of Finance and Economics

RELEVANT COURSES

Methods, Statistics

Biostatistical Methods I, II

Data Science

Social Statistics I, II

Latent Variable & Structural Equation Modelling

Probability

Calculus & Linear Algebra

Sociology, Economics

Migration and Development

Principles of Economics

Organizational Sociology

Intermediate Micro-Economics Theory

Introduction to Finance

Medical Sociology