

# YI YIN

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## EDUCATION

**Columbia University**, New York, NY

*Expected Dec 2019*

MA in Quantitative Methods in the Social Sciences, Cumulative GPA: 4.0

Coursework: Applied Machine Learning, Natural Language Processing, Social Network Analysis,  
Data Visualization, Modern Data Structure

**The Ocean University of China**, Tsingtao, China

*July 2017*

B.A. in Journalism and Communication, top 3%, Cumulative GPA: 3.7

Honors: National Scholarship- 2014, Outstanding Thesis- 2017

Study Abroad- 2015 (Columbia University)

Coursework: Brand Communication, Sample Surveys Analysis, Experiment Design

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## WORK EXPERIENCE

**Institute for Social and Economic Research and Policy, Columbia University**

New York, NY

*Research Assistant (Supervisor: Dr. Donald P. Green)*

*Feb 2019 – Present*

- Implement randomization inference using Stata to obtain exact p-values, and re-evaluated over 20 published works in political science and economics that rely on approximations.
- Convert examples and solutions in the textbook *Field Experiments: Design, Analysis, and Interpretation* written in R code to Stata code, and produce validated output used for the updated edition of the textbook.

*Research Assistant (Supervisor: Dr. Amy E. Semet)*

*Feb 2019 – Present*

- Analyze legal text using Python, extract titles, authors and decisions from judicial court cases, predict authorship via inverse document frequency (ti-idf), and visualize text analysis result using R.

**Kantar Media CIC**

Shanghai, China

*Summer Analyst*

*May 2018 – Aug 2018*

- Collected Chinese social networking market data, built behavior model to explain user preference, and forecast digital marketing trend in China, which was published on the Kantar Media's annual report *China Social Media Landscape 2018* in both Chinese and English.
- Analyzed the Kantar Media global consumer survey involving over 5,000 respondents using SPSS, compared advertise preference between internet user, newspaper reader, magazine reader and radio listener, highlighted the distinct advertise block behavior among Chinese users, which was presented in the Roadshow *Dimension 2018*.
- Organized the current company internal sharing knowledge into a tree structure, and conducted research on enterprise knowledge management solutions over LAN network, FTP, enterprise social network services, which helped the manager decide to use Microsoft SharePoint as internal knowledge sharing and archiving tool.

**International Growth Center**

Yangon, Myanmar

*Research Assistant*

*Oct 2017 – Apr 2018*

- Cleaned data, checked covariates balance, built difference-in-difference model, conducted sub-group analysis, and visualized results using R for the pilot survey experiment involving 952 subjects, which was presented in Quantitative China Studies Seminar (QCSS) in New York City.
  - Analyzed full-scale experiment involving 1910 subjects, included in the International Growth Center policy brief, and produced illustrations, presented in the regional study filed research seminar in Shanghai.
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## SKILLS

*Language:* English (Fluent); Mandarin (Native)

*Programming:* Fluent in R, Python, Stata; Basic in SQL and SPSS