Winston Chou

(510) 304-3759 · wchou@alumni.princeton.edu

Employment

Senior Data Scientist — 4/2020 –
Apple, Inc. — *New York, NY*

Research Scientist — 9/2019 – 4/2020
Data Scientist — 12/2018 – 9/2019
Facebook, Inc. — *Menlo Park, CA · New York, NY*

Education

PhD, Political Science — 2013 – 2019
Princeton University — *Princeton, NJ*

Skills

- *Causal inference and experimentation.* Experimental design and analysis, experimentation platforms, observational causal inference

- *Statistical modeling.* Regression analysis, hierarchical models, Bayesian statistics, maximum likelihood estimation, missing data, variance reduction, data visualization

- *Teamwork and communication.* Cross-functional collaboration, executive communication, teaching

- *Programming.* R, Python, Spark (via PySpark), SQL, Stan, git, Unix

Work Experience

Apple, Siri Data

- Founding data scientist on Siri's experimentation platform

- Led design and execution of first A/B tests for Siri Assistant

- Authored PySpark statistical library for experiment analysis and visualization

Facebook, Statistics & Privacy R&D

- Researched and developed statistical solutions to missing data for advertising measurement

- Partnered with global engineering team to implement statistical models in production

Publications

Statistical Software & Methodology

1. "List experiments with measurement error," with G. Blair and K. Imai. *Political Analysis*.

2. "Sensitive survey questions with auxiliary information," with K. Imai and B. Rosenfeld. *Sociological Methods & Research*.

3. "`list`: Statistical methods for the item count technique and list experiment," with G. Blair and K. Imai. *Comprehensive R Archive Network*.

Social Science

1. "Why parties displace their voters: Gentrification, coalitional change, and the demise of public housing," with R. Dancygier. Accepted at *American Political Science Review*.

2. "Competing for loyalists? How party positioning affects populist radical right voting," with R. Dancygier, N. Egami, and A. Jamal. Accepted at *Comparative Political Studies*.

3. "Culture remains elusive: On the identification of cultural effects with instrumental variables." *American Sociological Review*.

4. "Seen like a state: How illegitimacy shapes terrorism designation." *Social Forces*.