


SUNNY SHAO


I am a computational social scientist by training and a hands-on project manager by experience. Familiar with end-to-end data science ecosystem; In-depth knowledge in working with various stakeholders in both academic and business setting


EDUCATION

- 2021
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2016


● **PhD. Candidate, Political Science**
University of California  Riverside, CA

 - MASS BEHAVIOR & COMPUTATIONAL SOCIAL SCIENCE
 - Dissertation: How Mainstream Media Shapes Political Sentiment on WeChat? Understanding Political Mobilization Through Social Media Discourse
- 2020

● **Applied Machine Learning Workshop**
Rstudio  San Francisco, CA
- 2015
|
2013

● **M.S., Public Policy in Econometrics**
Pepperdine University  Malibu, CA


 - Focused on econometrics and local governance
- 2013
|
2010

● **B.A., International Communications**
Nottingham University  Nottingham, UK

 - Studied communication theory and public spheres on social media platforms






WORK EXPERIENCE

- current
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2018

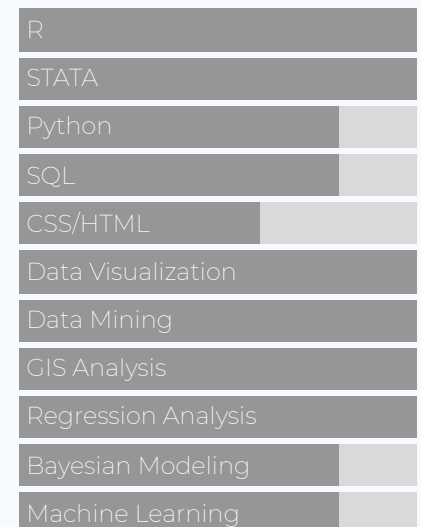
● **Researcher & Center Associate**
Center for Social Innovation (UCR)  Riverside, CA

 - missioned to lead projects that uplift the community of color offering executable data-driven action plans
 - work with a diverse background of scholars and R users to produce deliverables such as reports and data dashboards
 - In-depth knowledge about many open source R packages and their application in both academic and industry settings

CONTACT

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 github.com/SunnyYShao
 sunnyshao.com
 in/sunnyyshao/

LANGUAGE SKILLS



Made with the R package
[pagedown](#).

The source code is available on
github.com/SunnyYShao/cv.

Last updated on 2021-01-29.

current
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2017

Researcher

AAPI Data

📍 Riverside, CA

- Experienced in coordinating and working with both internal and external stakeholders in a team with many moving factors
- Deep knowledge in designing, executing and managing end-to-end data science projects
- 4+ years of experience in high-pace social science research team with frequent ad-hoc requests and challenges

2016

Summer Fellow

Education Pioneer

📍 Los Angeles, CA

- Worked closely with coordinators, principals and teachers on program evaluations
- Created stratified weighted sampling surveys to evaluate programs of Camino Nuevo charter school network
- Designed protocols and methodology for future program evaluations

2012

Data Analyst Intern

SmartAnalyst

📍 Gurgaon, India

- Interviewed thoracic oncologists in Japan and China for pharmaceutical clients, who are on phase II trials of non-small cell lung cancer drugs
- Translated three-way phone meetings between client, SmartAnalyst and Chinese thoracic oncologists
- Crowdsourced a list of thoracic oncologists through medical journals



TEACHING & WORKSHOP EXPERIENCE

current
|
2020

ArcGIS Lab

Center for Social Innovation

📍 Riverside, CA

- Spatial Data Visualization & Mapping Application Development
- Initiate the workshop and organized and taught each session
- Lectured on using ArcGIS online tools to create interactive mapping tools

2020

Analyzing ACS data with tidyverse and tidycensus R packages

Center for Social Innovation

📍 Riverside, CA

2019

Infographic Design with Adobe illustrator

AAPI Data

📍 Riverside, CA

2019

Data Analysis, Visualization and Social Entrepreneurship

SEED Lab

📍 Riverside, CA

2018

Data Narrative Action (DNA): Data Visualization & Cesus Factfinder Tools

Social Innovation Institute

📍 Riverside, CA

2015

Applied Econometrics & Microeconomics

School of Public Policy, Pepperdine University

📍 Malibu, CA

2014

- TA and lectured
- Topics covered from penalized regression to boosted trees and neural networks

I have worked independently on various projects at AAPI Data and CSI, coordinated directly with stakeholders, funders, and journalists who are not data experts themselves. I was also responsible for managing stakeholders' expectations and communicating project progress with them from initiation to closing.



SELECTED INTERACTIVE DATA TOOL DEVELOPMENT

current
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2020

- **AAPI Quick Stats, AAPI Data**

R, ShinyApps, AWS

current
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2020

- **Inland Empire COVID Monitor**

ArcGIS

current
|
2020

- **2020 Census and Beyond: Mapping the Geography and Diversity of Asian Americans and Pacific Islanders**

R & ArcGIS

current
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2019

- **Geographic Profiles, Racial Data**

R, ShinyApps, AWS

current
|
2019

- **Community Profiles, Racial Data**

R, ShinyApps, AWS

current
|
2018

- **Community Facts, AAPI Data**

R, ShinyApps, AWS

2017

- **QuickStats Tool**

Rmarkdown

SURVEY PROJECTS

2020
|
2018

- **Asian American Voter Survey**

AAPI Data, APIAVote & AAAJC

· National experimental survey conducted in English & 8+ Asian languages

2020
|
2019

- **Inland Empire Non-profit/Civic Engagement Survey**

Center for Social Innovation, UC Riverside

· Inland Empire Region of CA

2018
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2018

- **National Asian American Survey**

AAPI DATA

· National survey

2018

- **Asian Pacific American Heritage Month Visibility Survey**

AAPI Data

· National



SELECTED PUBLISHED RESEARCH REPORTS

2020








- **Reaching Low-Propensity Voters in California's November 2020 Elections: Recommendations from focus group research and community partner engagement**

California Common Cause & Center for Social Innovation

- 2020 ● **State of Nonprofit in the Inland Empire**
Center for Social Innovation
- 2020 | 2016 ● **APIA Vote: state Factsheets**
APIA Vote & AAPI Data
- 2019 ● **State of Civic Engagement in the Inland Empire**
Center for Social Innovation
- 2019 ● **State of Women in the Inland Empire**
Center for Social Innovation
- 2019 ● **Untapped Power: The Strength of Asian American, Native Hawaiian, and Pacific Islander Working People**
APALA & AAPI Data
- 2018 ● **Asian American Voter Survey Report**
APALA, AAJC & AAPI Data
- 2018 ● **State of Work in the Inland Empire**
Center for Social Innovation
- 2018 ● **State of Immigrant in the Inland Empire**
Center for Social Innovation
- 2018 ● **Washing State Factsheet**
Washington Commission on Asian American Affairs



SELECTED PRESENTATIONS & INVITED TALKS

- current | 2020 ● **ArcGIS Lab**
Center for Social Innovation  Riverside, CA
 - Spatial Data Visualization & Mapping Application Development
 - Initiate the workshop and organized and taught each session
 - Lectured on using ArcGIS online tools to create interactive mapping tools
- 2020 ● **Analyzing ACS data with tidyverse and tidycensus R packages**
Center for Social Innovation  Riverside, CA
- 2019 ● **Infographic Design with Adobe illustrator**
AAPI Data  Riverside, CA
- 2019 | 2018 ● **Data Analysis, Visualization and Social Entrepreneurship**
SEED Lab  Riverside, CA
- 2018 ● **Data Narrative Action (DNA): Data Visualization & Cesus Factfinder Tools**
Social Innovation Institute  Riverside, CA
- 2019 ● **2020 Census and Beyond: New Tool for AAPI Census Efforts**
Asian Americans/Pacific Islanders in Philanthropy  Virtual
- 2018 ● **Key Patterns and Trends Among Asian Americans and Pacific Islanders: Chinese American Demographics & Political Engagement**
National Conference of State Legislators  Los Angeles, CA

- 2018 ● **2018 and Beyond: Data, Narrative, and Action**
Advancing Justice Conference  Atlanta, GA
- 2018 ● **Resources for Engaging in the Debate Over Data Disaggregation**
Association of Asian American Studies  San Francisco, CA
- 2015 ● **Should Federal Government Mandate Vaccination for Children**
RAND LA Policy Symposium  Santa Monica, CA



SELECTED BLOGS

- 2020 ● **[Where Can AAPI Voters Have the Most Impact in November 2020?](#)**
· Authored with Mai Do
- 2019 ● **[Understanding the Struggles of Asian Americans and Pacific Islanders](#)**
· Authored with Dr. Janelle Wong & Dr. Karthick Ramakrishnan
- 2018 ● **[Record Gains in AAPI Voting Likely to Continue Through 2020](#)**
· Authored with Dr. Sono Shah & Dr. Karthick Ramakrishnan
- 2018 ● **[The 116th Congress Will Have The Most AAPIs. Ever](#)**
· Authored with Dr. Sono Shah
- 2018 ● **[Here's what you need to know about AAPIs running for Congress in 2018](#)**
· Authored with Dr. Sono Shah
- 2018 ● **[There are Dozens of AAPIs Running for Congress This Year](#)**
· Authored with Alton Wong
- 2017 ● **[Asian Ethnicity Data Helps Students, Saves Lives](#)**
· English to Chinese translation









SELECTED PRESS

- 2020 ● **[The challenge of combating fake news in Asian American communities](#)**
Vox
- 2020 ● **[WeChat is a lifeline for the Chinese diaspora. What happens now that Trump banned it?](#)**
Los Angeles Time

- 2020 ● **Chinese American Trump fans raise election recount funds on WeChat: New fundraising arm preps for comeback, quietly steers some donations to debts**
Nikkei Asia
- 2020 ● **US Election Special III: Election results update, Chinese Americans' voters in NYC**
RTHK 31 Cable Network
- 2020 ● **Who are the Chinese Americans voting for Trump**
The Spectator UK
- 2020 ● **Would Prop. 16's affirmative action ensure equality in California**
Los Angeles Time
- 2019 ● **Digital, Political, Nomads: Meet the Chinese Americans For Trump**
OZY



GRANTS AND AWARDS

- current | 2015 ● **Pi Alpha Alpha Honor Society**  Malibu, CA
- 2021 | 2016 ● **GSA Conference Travel Grant**  Riverside, CA
- 2021 | 2017 ● **Coulter Foundation GSA Grant**
- 2020 ● **2020 Rstudio conference Diversity Scholarship**  San Francisco, CA
- 2017 | 2016 ● **UCR Dean's Distinguished Fellowship**  Riverside, CA
- 2015 | 2013 ● **Pepperdine Graduate School Scholarship Award**  Malibu, CA
- 2014 ● **Pepperdine Dean's Distinguished Fellowship**  Malibu, CA