

# SUNNY SHAO

I have made [visualizations viewed by tens of thousands of people](#), lead data queries, analysis, and visualization labs for UCR students and members from [public and non-profit sectors](#).

## EDUCATION

2021  
|  
2016

- **PhD. Candidate, Political Science**  
University of California 📍 Riverside, CA
  - Dissertation: From Netizen to Citizen: netizen empowerment and WeChat political activism among Chinese Americans
  - Focused on Asian American political participation and social media mobilization
  - Study netizen politics among Chinese Americans on WeChat

2015  
|  
2013

- **M.S., Public Policy**  
Pepperdine University 📍 Malibu, CA
  - Focused on economics and local governance
  - Pi Alpha Alpha Honor Society Member

2013  
|  
2010

- **B.A., International Communications**  
Nottingham University 📍 Nottingham, UK
  - Studied communication theory and public spheres on social media platforms

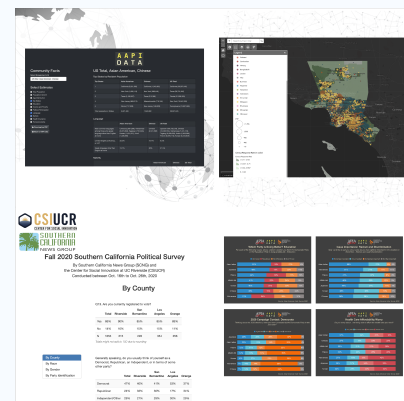
## WORK EXPERIENCE

current  
|  
2018

- **Researcher & Center Associate**  
Center for Social Innovation (UCR) 📍 Riverside, CA
  - Design survey and census outreach messaging experiments, and statistically analyze and present datasets using R and MongoDB to stakeholders
  - Independently query, analyze and model both structured and unstructured datasets to measure disparity and social impacts
  - Design and deployed interactive data visualization tools such as data dashboards and mapping tools using R, shiny, ArcGIS and AWS

current  
|  
2017

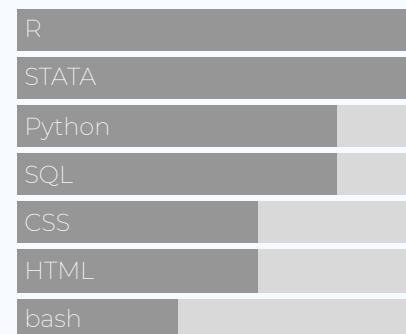
- **Researcher**  
AAPI Data 📍 Riverside, CA
  - Work with local, state, and national organizations on over 130 data consulting projects
  - Program Qualtrics experimental surveys with name-matching algorithms to determine ethnicity from voter files
  - Create the infographic reporting workflow for survey projects using R and Python



## CONTACT

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🐦 [twitter.com/sunny\\_Y\\_SHAO](https://twitter.com/sunny_Y_SHAO)  
📁 [github.com/SunnyYShao](https://github.com/SunnyYShao)  
🌐 [sunnyshao.com](https://sunnyshao.com)  
in [/sunnyshao/](https://www.linkedin.com/company/sunnyshao/)

## LANGUAGE SKILLS



Made with the R package **page-down**.

The source code is available [on github.com/SunnyYShao/cv](https://github.com/SunnyYShao/cv).

Last updated on 2021-01-12.

- 2016 ● **Summer Data Consulting 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  
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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
- 2015  
|  
2014 ● **Applied Econometrics & Microeconomics**  
School of Public Policy, Pepperdine University 📍 Malibu, CA
- TA and lectured
  - Topics covered from penalized regression to boosted trees and neural networks
- 2015 ● **Calculus & Economics**  
Fusion Academy 📍 Pasadena, CA
- Teacher & Mentor
  - taught Accredited high school curriculum & mentored 10th grade - freshman year students

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  
|  
2020

- **AAPI Quick Stats, AAPI Data**

shinyApp + AWS hosting

current  
|  
2020

- **Inland Empire COVID Monitor**

ArcGIS Hub

current  
|  
2020

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

ArcGIS Hub

current  
|  
2019

- **Geographic Profiles, Racial Data**

shinyApp + AWS hosting

current  
|  
2019

- **Community Profiles, Racial Data**

shinyApp + AWS hosting

current  
|  
2018

- **Community Facts, AAPI Data**

shinyApp + AWS hosting

## 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  
|  
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 ● **AAPI Data Project 2018**  
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**
- 2019 ● **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