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

PhD. Candidate, Political Science (Mass Behavior)
University of California 📍 Riverside, CA

2021 | 2016

- 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

M.S., Public Policy in Economics
Pepperdine University 📍 Malibu, CA

2015 | 2013

- Focused on economics and local governance
- Pi Alpha Alpha Honor Society Member

B.A., International Communications
Nottingham University 📍 Nottingham, UK

2013 | 2010

- Studied communication theory and public spheres on social media platforms

💼 WORK EXPERIENCE

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

current | 2018

- 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
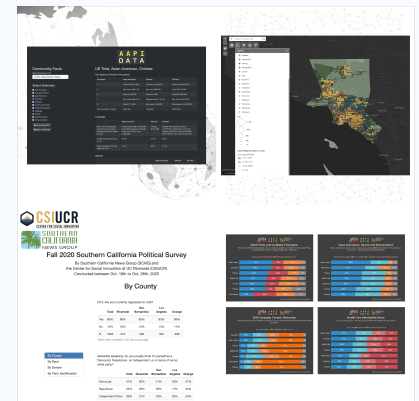
Researcher
AAPI Data 📍 Riverside, CA

current | 2017

- 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

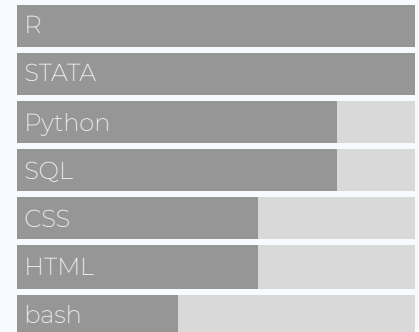✉ sunny@sunnyshao.com
🐦 twitter.com/sunny_Y_SHAO
⛓ github.com/SunnyYShao
🔗 sunnyshao.com
in /sunnyyshao/

LANGUAGE SKILLS

- R
- STATA
- Python
- SQL
- CSS
- HTML
- bash

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

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

Last updated on 2021-01-18.

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
|
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 langauges

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 Conmission 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