

harrison kirk

Side Projects

College Scorecard Data Pipeline [Python](#) [SQL](#) [Airflow](#) [AWS](#) [Docker](#)

Data pipeline for analysis of postsecondary education data. Data sourced from the College Scorecard API, Python-based ETL process orchestrated with dockerized Airflow.

hawkkirk.com [HTML](#) [CSS](#)

Lightweight personal website to host short bio, CV, and projects.

Experience

06.2021 – Present	<p>Education Analytics Madison, WI</p> <p><i>Research Analyst I / Research Analyst II</i></p> <p>Write performant and robust R code to transform, analyze, and visualize education datasets across a variety of sources and formats.</p> <p>Implement quality control functions and other proactive data quality checks in analytics workflows. Work extensively with PII while applying data security best practices to keep student data and passwords/keys protected.</p> <p>Write SQL queries to extract data; use DBeaver and Snowflake UI to interface with databases.</p> <p>Design front-end web applications using R Shiny, HTML, and CSS.</p> <p>Collaborate across teams using software engineering best practices like version control, conscientious memory usage, and writing concise documentation.</p> <p>Mentor an intern, assisting with code reviews and training.</p>
10.2019 – 06.2021	<p>SLO County Behavioral Health Department San Luis Obispo, CA</p> <p><i>Data Analysis & Reporting Intern</i></p> <p>Cleaned, reshaped, and analyzed public health data for County research evaluation programs.</p> <p>Wrote R scripts to automate reporting processes, saving 4+ hours of work per report.</p> <p>Led ideation and development of an innovative patient tracking dashboard for use in a psychiatric care facility.</p> <p>Created complex data visualizations for County annual reports, stakeholders, and other public releases.</p>
09.2020 – 06.2021	<p>Mustang Media Group Cal Poly Journalism Dept.</p> <p><i>Data & Investigations Reporter</i></p> <p>Researched, wrote, and edited award-winning news articles on data-driven issues in the Cal Poly community. Received a SAGE Publishing scholarship for statistical work.</p> <p>Used Python and R to scrape, clean, and visualize data for articles that generated tens of thousands of interactions.</p>
04.2019 – 06.2019	<p>California State Assembly San Luis Obispo, CA</p> <p><i>Student Intern</i></p> <p>Supported research, constituent communications, and survey data collection for the district office of Assemblyman Jordan Cunningham.</p>

Education

09.2017 – 06.2021	<p>Cal Poly, San Luis Obispo</p> <ul style="list-style-type: none"> BA, Political Science; Concentration in Global Politics Minor in Statistics <p>Upper-level coursework in computing, applied regression analysis, statistical modeling, and experimental design.</p> <p>Co-wrote a California Senate Bill (now a law) addressing housing inequality in postsecondary education.</p> <p>Editor for <i>Paideia Journal of Political Science</i>.</p>
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Contact

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Personal

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 🎵 music production, nature, writing
 🎧 hip hop, ambient, soul
 🍺 fozyy

Skills

📊 R
 🐍 Python
 🗃️ SQL
 📄 HTML
 🎨 CSS
 🌬️ Airflow
 📦 AWS
 🐳 Docker

Publications & Awards

📄 Kirk, H. A. (2021). Political Determinants of Adherence to Public Health Guidance: Analyzing Mobility in the COVID-19 Pandemic. *Paideia Journal of Political Science*, 8, 114-131.

🏆 Associated Collegiate Press Individual Award for COVID-19 Coverage - Oct. 2021

🏆 SAGE Publishing Award - Jun. 2021

🏆 California College Media Award for Best Social Media Reporting - Mar. 2022

Volunteer Experience

✳️ Field research at SLO Bangers SEP

🍽️ Meal distribution and facility maintenance at ECHO Homeless Shelter

🏫 Cal Poly New Student Orientation Leader