



ECONOMICS UNDERGRADUATE RESEARCH INTERNSHIPS

SUMMER 2021

Hours & Rate: 10 hours/week @ \$15/hour

Project: Center for the Study of Academic Labor

Faculty Mentor: Dr. Steven Shulman

Description: The research assistant works with IPEDS data to produce higher education employment reports and other reports.

Essential skills: Spreadsheets, data management, written communication; completion of ECON 235 is required.

Project: Diversity in *Feminist Economics* Authorship

Faculty Mentor: Dr. Elissa Braunstein

Description: This research project involves using the internet to determine and record - to the extent possible - the gender, race and ethnicity of authors published in the journal *Feminist Economics* over the last 20 years. Data collection will be based primarily on inspecting CVs and other biographical information. Includes analysis of changes over time and producing a summary report that presents the results. May also include other types of data analysis and administrative support for the journal editor.

Essential skills: Spreadsheets, data management, written communication, internet search skills, some knowledge of statistics/econometrics; preference will be given to those who have a demonstrated interest in gender and/or ethnic studies; completion of ECON 211 and/or ECON 212 helpful.

Project: Regional Economics Development Institute (REDI) – Developing Novel Digital Dashboards for Rural Colorado

Faculty Mentor: Dr. Stephan Weiler

Description: Digital dashboards have become common, but REDI has developed several new metrics and graphics that complement existing resources. Rural regions have been particularly underserved, even by the most comprehensive and well-funded analytics teams, such as Opportunity Insights. The intern will work with REDI faculty and grad assistants as well as external partners to refine these metrics and make them available to the general public through the REDI website as well as REDI's networks across the state.

Essential skills: Spreadsheets, data management, statistics/econometrics, written communication, internet search skills; knowledge of Python, R, or STATA would be welcome but is not required.

Project: Pac@REDI

Faculty Mentor: Dr. Alexandra Bernasek

Description: Pac@REDI is currently focused on poverty research internationally. We have some ongoing research related to WASH (Water and Sanitation Hygiene) and gender. Work includes data analysis of household survey data. Work would involve being supervised by both graduate students and faculty.

Essential skills: Spreadsheets, data management, statistics/econometrics, written communications, internet search skills; able to take initiative.

Project: U.S. Labor Data Processing

Faculty Mentor: Dr. Zachary Schaller

Description: This position will be responsible for processing and summarizing special documents on measurables for US labor markets and crosswalks of standard classification schemes (e.g., industry and occupation codes). Final products will be made available online for the greater research community. Depending on intern's personal interest, special data on US labor unions will be made available for descriptive analysis and elective investigation.

Essential skills: Spreadsheets, data management; patience and attention to detail; not prone to mistakes during repetitive tasks.

Project: Solar and Agriculture Economic Analyst

Faculty Mentor: Dr. Stephan Weiler

Professional Supervisor: Jordan Macknick, National Renewable Energy Laboratory

Description: This position will evaluate economic tradeoffs of traditional and innovative solar photovoltaic (PV) development practices that can be integrated with agriculture. Combining solar PV and agriculture (often termed Agrivoltaics), has the potential to lead to mutual economic and ecological benefits to landowners and solar developers. Research and analysis is needed to further quantify economic tradeoffs of different PV designs interacting with different agricultural activities. This position will summarize existing literature and integrate data from ongoing studies to provide a more comprehensive assessment of the economic value of Agrivoltaic configurations.

Essentials skills: Spreadsheets, data management, written communication, statistics/econometrics, internet search skills; cost/benefit analysis experience, ability to conduct literature reviews, ability to organize large volumes of different types of data, experience in statistical software packages a plus, familiarity with PV system designs and/or agricultural activities a plus.