

# Noah Silver

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## Education

University of Southern California	Master of Public Policy	Quantitative Policy Analysis	2021
University of Southern California	B.A., <i>magna cum laude</i>	Political Economy, Minor in Statistics	2020

## Work Experience

### Associate Consultant

Cambridge, MA

INDUSTRIAL ECONOMICS, INCORPORATED (IEC)

2021 – Present

- Conduct cost-benefit analysis using rigorous data-driven approaches, including **net present value analysis, cost-effectiveness analysis, and break-even analysis**. Conduct sensitivity analysis using **Monte Carlo simulation** to test robustness of findings under probabilistic scenarios. Evaluated the financial impacts of proposed projects for clients including United States Customs and Border Protection, United States Treasury, and United States Coast Guard. Converted all relevant metrics to dollars, including labor time savings, value of statistical life, value of quality-adjusted life years, and investment costs.
- Utilize **R and Excel** to conduct advanced data analysis and modeling techniques, including **developing custom functions** and scripts for **regression analysis, difference-in-difference analysis, and statistical estimation** based on survey data, economic data, real estate data, and financial statements. Identify key trends and patterns to **evaluate financial impacts** and provide actionable recommendations for clients. Conduct in-depth analysis of projects in a wide range of fields, including international trade and logistics, maritime safety, and fisheries management. Analyzed the long-term economic impact of commercial fishing permits and forecasted the economic impact of further limiting fishing permits. Assessed the effectiveness of voluntary manufacturing safety standards at reducing severity and incidence of vehicular collisions. **Develop policy proposals** and strengthen regulatory design based on findings.
- Prepare climate risk disclosures for Fortune 500 clients in accordance with TCFD reporting standards. **Calculate carbon footprints** using facility-level utility bills to assess costs and emissions of Scope 1 and 2 footprint. Work with clients in industries such as consumer products and streetfront advertising to **quantify environmental impact** of commercial operations. Utilize metrics such as carbon emissions, water usage, and waste generation to inform sustainability strategies.
- Manage 5 analysts, providing guidance and support to ensure successful project delivery. Define project scopes and timelines using Gantt charts to track deliverables and project progress. Collaborate with clients to ensure that project goals align with their objectives.

### Analyst

Los Angeles, CA

ECONOMIC AND PLANNING SYSTEMS, INC. (EPS)

2019 – 2020

- Conducted economic analyses and provided insights on consulting projects related to land use and real estate development. Utilized statistical and econometric methods to assess the impacts of proposed developments, **forecast market demand**, and **evaluate financial feasibility**.
- Managed a successful research project on urban development in Los Angeles County, which was accepted for presentation at the prestigious International Downtown Association's 2020 West Coast Urban District Forum in San Jose, CA. The project leveraged state-of-the-art statistical and data visualization tools to analyze key trends in the local real estate market, identifying opportunities for growth and transformation.

### Associate

Los Angeles, CA

ADVANCED MANUFACTURING PARTNERSHIP FOR SOUTHERN CALIFORNIA

2018 – 2020

- Provided business consulting services to small business owners in the aerospace manufacturing industry through a grant-funded program aimed at enhancing industry competitiveness. Conducted needs assessments, developed customized recommendations, and delivered actionable insights related to capital access, succession planning, and growth and competitiveness.

## Research Experience

RESEARCH ASSISTANT, DEPARTMENT OF ECONOMICS AT ASU W.P. CAREY SCHOOL OF BUSINESS

2020 – 2022

- Conducted **regression discontinuity analysis** using **customized R scripts** to support econometric research projects.
- Utilized web scraping techniques and conducted complex data analysis for econometric research projects.
- **Built an interactive dashboard** for data exploration using **R Shiny** to support project scoping activities.
- Collaborated with a team of researchers to evaluate the sustainability strategy of a regional water and power supplier. Conducted a comprehensive analysis of the supplier's current sustainability practices, including its energy usage, water consumption, and waste management. Identified areas for improvement and developed recommendations for enhancing the supplier's sustainability efforts. Presented economic case for investing in sustainability, including energy efficiency and risk mitigation.

## Software/Languages

**Advanced** R, Quarto

**Basic** Python, SQL, Stata, ArcGIS, Git, LaTeX

## Skills

**Cost-benefit analysis**   **Financial analysis**   **Data analysis**   **Statistical analysis**   **Quantitative modeling**  
**Policy analysis**   **Business strategy**   **Market research**   **Technical writing**   **Project management**