

# Elena Dulys

Boulder, Colorado  
<http://www.elenadulys.com>

## ABOUT

I harness data to make a difference.

## EDUCATION

**M.Sc. Applied Economics**, 2016

*Michigan State University* (East Lansing, Michigan)

**B.Sc. Environmental Policy & Planning**, 2010, summa cum laude

*Virginia Tech* (Blacksburg, VA)

## WORK

### Data Scientist

*Simple Energy*, 2016 - present (Boulder, CO)

Driving energy-wise actions for utility customers through scientific, algorithmic, and product design.

- design and analyze randomized control trials for regulatory behavioral energy programs
- perform statistical analyses in the arenas of energy, marketing, and e-commerce
- author, tune, and maintain machine-learning algorithm applications
- answer difficult business questions by harnessing information, computation, and mathematics
- measure and forecast company performance
- explore data to discover insights, driving company success
- continuously review behavioral science and mathematical literature to inform product design

### Energy Services Intern

*The Cadmus Group*, 2015 - 2016 (Lansing, MI)

Performed data analysis and reporting for utility energy efficiency programs.

- verified reported deemed savings for the utility Consumers Energy
- assisted with research implementation for energy efficient measures
- calculated and crafted reports for utility program performance based on Likert-based customer satisfaction ratings / the "Net Promoter Score" from utility customer surveys
- completed administrative work associated with energy efficiency program implementation

### Impact Research Analyst

*Michigan State University*, 2013 - 2014 (East Lansing, Michigan)

- Utilized propensity-score matching to analyze a contaminated randomized control trial.

### Sustainability Coordinator

*Virginia Tech*, 2011 - 2012 (Blacksburg, VA)

- Coordinated and implemented campus-wide composting, recycling, food donation, local food procurement, and a campus farm for a 30,000 meal per day university dining program.

## SERVICE

**United States Peace Corps (Panama)**

*Sustainable Agriculture Systems Volunteer, 2013 - 2015*

## FLUENCY

Python

R

English

Spanish

## PUBLICATONS

*Timber Residue Supply for Bioenergy in the Northern Tier of the Great Lakes: Determinants and availability: Biomass and Bioenergy, 2019, Volume 122*

*Raising the Incomes of Smallholder Farmers in the Central Highlands of Angola: A Model Project for Improving Agricultural Value Chains in Post-Conflict Nations: white paper for the Bill and Melinda Gates Foundation*

*Benefits, Barriers, and Challenges to University-Level Food Waste Tracking: Journal of Hunger and Environmental Nutrition, 2016, Volume 11*