

## Max Pohlman

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Data scientist with a unique combination of economic, environmental, and statistical knowledge and interest.  
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## Education

**MS, Environmental and Natural Resource Economics;** University of Rhode Island (2015-2017)

*Working Thesis title: Effects of Uncertainty and Ambiguity in Coasian Bargaining*

**BS, Economics;** Pennsylvania State University (University Park) (2011-2015)

*Minor: Environmental and Renewable Resource Economics*

## Experience

**Data Scientist** *Mathematica Policy Research (Oct 2017 - Present)*

Constructed and maintained a diverse suite of data processing pipelines and interactive visualizations.

**Research Assistant** *University of Rhode Island (Jan. 2016 – Aug. 2017)*

Conducted economic experiments and performed analysis of the effects of uncertainty and ambiguity on bargaining behavior. Funded under a NSF EPSCoR grant on [The Future of Dams](#)

**Sustainability Intern** *Enel Green Power (Jun-Aug 2016)*

Built an economic impacts tool that predicted changes in community employment and compensation based on community policy and specifications of company planned wind farms.

**Research Assistant** *Penn State University (Sep 2013 - May 2015)*

Performed multivariate analysis regarding economic factors and implications of the increase of Marcellus Shale fracking.

## Other Skills

- 6 years experience coding in R, specifically:
  - Cleaning, organizing, transforming data (pkgs ‘tidyverse’)

- Supervised and unsupervised learning via classification, regression, clustering, PCA, text analytics (pkgs ‘caret’, ‘e1071’, ‘quanteda’)
  - Econometric analysis via difference-in-difference, instrumental variables, regression discontinuity
  - Geospatial analysis of vectors, rasters. Construction of interactive maps (pkgs ‘sf’, ‘sp’, ‘rgdal’, ‘rgeos’, ‘leaflet’)
  - Visualization and document construction through ggplot, R-Shiny, R-Markdown
- Knowledge of git and project management through github
  - Experience in Python, STATA, Markdown, MySQL, Bash, Access, MatLab, HTML, QGIS
  - Construction of [stained glass artwork](#)

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