

Michael Black

PhD Candidate

Applied Economist


Data Scientist

 [michael-black.github.io](https://github.com/michael-black)

 mblack438@gmail.com

 [linkedin.com/in/michaelblack438](https://www.linkedin.com/in/michaelblack438)

 github.com/michael-black

 +1 479 871 0506

Education

Ph.D., Agricultural Economics, **Texas A&M University**, expected May 2021

B.S., Natural Resources, **Cornell University**, 2013

Skills

General Skills: Quantitative research, data wrangling, data visualization, mathematical optimization
Programming: Python, SQL, R, Stata, Matlab, SAS, GAMS, Git, Command Line/Terminal, QGIS
Statistical Modeling: Choice modeling, experimental design, logistic regression, machine learning, causal models

Experience

Graduate research assistant, 2016 - Current, *Texas A&M University*

- Designed choice-experiment deployed to over 2,500 respondents
- Built demand system model for recreation using choice modeling
- Established new method of estimating consumer demand for recreation

Consulting economist, 2019 - Current, *State of Texas, State of Washington*

- Built demand system for recreation using choice modeling
- Analysis product used in litigation for environmental damages

Research intern, Summer 2020, *USDA Economic Research Service, Market and Trade Economics Division*

- Designed latent class analysis to identify distinct groups of food suppliers based on food safety practices, and built an associated predictive model for regulators

Research intern, Summer 2019, *Resources for the Future*

- Developed a dynamic optimal control model of cooperative management

Strategy consultant, 2013 - 2014, *Mahindra Group*, Mumbai, India

- Developed strategic plan for Agribusiness Sector expansion into Africa and India fruit retailing space

Teaching

Graduate Instructor, 2019 - 2020, *Texas A&M University*

- Sole instructor for [AGEC 317: Economic Analysis for Agribusiness Management](#)
- Topics: mathematical optimization, statistical testing, regression, bias and endogeneity, applied decision making

Service

2020: *Member*, Department Head Search Committee, Department of Agricultural Economics, Texas A&M; *Session Moderator*, 2020 Agricultural & Applied Economics Association Annual Meeting

2019: *Chair*, 5th Annual Applied Economic Research Symposium, Texas A&M

2018: *Chair*, Website Redevelopment Committee, Department of Agricultural Economics, Texas A&M

Publications

- [Farmers' insights on soil health indicators and adoption](#)
- [Insights from Asynchronous Lecture Viewing Behavior](#)

In the Pipeline

- “The value of long and short term changes in water quality”; choice model using survey data
- “Identifying food safety practices among classes of post-harvest produce firms”; latent class analysis
- “An empirical estimate of the value of soil quality”; large-scale choice experiment
- “Does self-monitoring lead to better resource management? Evidence from participatory groundwater management program in India”; spatial interpolation of missing data and causal model