

# Dillon Bowen

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## EDUCATION AND ACADEMIC AWARDS

- The Wharton School, PhD in Decision Processes** 2018-current
- Forethought Fellow (University of Oxford)
  - Wharton Risk Center Ackoff Grant
- University of Cambridge, Master's in Economic Research** 2017-2018
- Thesis: Learning in the delay-speedup asymmetry
- Thesis mark: 90.0/100
- Faculty of Economics Bursary Award
  - Pembroke College Studentship
  - Distinction
- University of Cambridge, Advanced Diploma in Economics** 2016-2017
- Class rank: 1st of 25
- Stevenson Prize
  - Distinction
- Tufts University, Bachelor of Science** 2012-2016
- GPA: 3.99/4.0
- Majors: Cognitive and Brain Science, Philosophy
- Phi Beta Kappa Honors Society

## WORKING PAPERS

**Bowen, Dillon** and Ungar, Lyle. "Generalized SHAP: Generating multiple types of explanations in machine learning." 2020. <https://arxiv.org/abs/2006.07155>

## SELECTED SOFTWARE

- Dash forecast** Dash utilities for building interactive forecasting dashboards. 2020.  
<https://dsbowen.github.io/dash-fcast/>
- Smother** Computes non-parametric distributions by optimizing a smoothing function. 2020.  
<https://dsbowen.github.io/smoother/>
- Hemlock.** For designing surveys and behavioral experiments. 2020.  
<https://dsbowen.github.io/hemlock/>
- Flask download button.** SQLAlchemy mixin for download buttons in Flask. Updated 2020.  
<https://dsbowen.github.io/flask-download-btn/>
- Flask worker.** Simplifies interaction with Redis workers in Flask. Updated 2020.  
<https://dsbowen.github.io/flask-worker/>
- SQLAlchemy mutable.** SQLAlchemy column type for nested mutation tracking. Updated 2020.  
<https://dsbowen.github.io/sqlalchemy-mutable/>
- Docstring markdown.** Converts docstrings to markdown files for package documentation. 2020.  
<https://dsbowen.github.io/docstr-md/>
- G-SHAP.** Computes generalized Shapley values. 2020.  
<https://dsbowen.github.io/gshap/>

## RESEARCH POSITIONS

- Prof. Philip Tetlock**, The Wharton School, *Data analyst and forecaster* 2019-current
- Dr. Geng Li**, Federal Reserve Board, Consumer Finance, *Project intern* 2017
- Prof. Gautam Rao**, Harvard University, Economics, *Research assistant* 2016
- Prof. Molly Crockett**, Oxford University, Psychology, *Research assistant* 2014-2015