

CHARLES E. GIBBONS

Senior Associate

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Dr. Charles Gibbons is a Senior Associate with The Brattle Group who specializes in applying sophisticated econometric and statistical models to legal, regulatory, and policy issues. His work has been used in a variety of litigation matters, including structural modeling of antitrust damages, models of mortgage delinquencies, forensic analysis of product defects, and impacts of an environmental accident on outdoor recreation. He has also conducted conjoint surveys to calculate the value that consumers place on features of products and developed models for forecasting electricity sales and peak demand for utilities. His work has been used for class certification, liability determination, and damage calculations.

Additionally, Dr. Gibbons was a lecturer at the University of California, Berkeley where he last taught a graduate-level course in probability and statistics. He received a Ph.D. in economics and an M.A. in statistics from the University of California, Berkeley. His dissertation proposed new methods in applied econometrics and a theory of competition for online advertising auction platforms.

EDUCATION

University of California, Berkeley	Ph.D., economics	2012
University of California, Berkeley	M.A., statistics	2012
Cornell University	B.A. economics and government	2006

ACADEMIC POSITIONS

University of California, Berkeley	Lecturer	2012—2015
University of California, Berkeley	Instructor	2011

EXPERIENCE

Survey Design and Analysis

- Submitted a report to a regulatory agency discussing the scientific reliability of product sampling data supporting nutrition label claims
- Designed a conjoint survey to elicit consumers' preferences for features of an online music streaming service and used state-of-the-art models to estimate willingness-to-pay for those features as part of a royalty setting proceeding

Causality Analysis for General Litigation

- Developed structural models for estimating antitrust damages
- Co-authored a report on the impact of Alberta government policies on provincial log prices as part of the *Lumber V* trade dispute

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- Determined whether defective devices could be detected indirectly using historical measurements rather than directly through testing for class certification purposes
- Modeled the impact of an advertising campaign on demand for competing products in the context of a false advertising case using sales data and consumer sentiment analysis

Environmental Damages Litigation

- Estimated the impacts of an environmental accident on recreation to the affected area
- Calculated the value of surface water deliveries to growers in the Klamath Basin as part of an environmental takings case on behalf of the U.S. Department of Justice

Mortgage-Related Litigation

- Assessed the causal relationship between defective underwriting practices and subsequent mortgage delinquencies by a major lending institution on behalf of the U.S. Attorney's Office
- Evaluated mortgage origination and pricing records for evidence of racial discrimination practices at nationwide lending institutions for the Consumer Financial Protection Bureau

Utilities Consulting and Litigation

- Developed sales and peak demand forecasts for CLP Hong Kong and supported them before the utility's governing agency
- Calculated the costs of delinquent accounts to a major telecommunications firm for use in class action litigation

PUBLICATIONS

Forthcoming

“Broken or Fixed Effects?” (with Juan Carlos Suárez Serrato and Mike Urbancic; *Journal of Econometric Methods*)

In Process

“Quantile Regression for Peak Demand Forecasting” (with Ahmad Faruqui)

“Ad Server and Firm Strategies in Contextual Advertising Auctions”

“LATE for School: Instrumental Variables and the Returns to Education” (with Mike Urbancic)

“Housing Wealth and the Demand for Electricity” (with Joe Wharton)

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ACADEMIC HONORS AND FELLOWSHIPS

National Science Foundation (IGERT) Politics, Economics, Psychology, and Public Policy Fellow
Searle Center on Law, Regulation, and Economic Growth (Northwestern University) Award
Institute for Humane Studies Fellow
University of California, Berkeley, Department of Economics Fellowship

PRESENTATIONS

California Energy Commission Demand Analysis Working Group, September 2014. “Quantile Regression for Peak Demand Forecasting.”
Center for Research in Regulating Industries, 2014. “The Application of Quantile Regression to Forecasting Peak Demand.” (Eastern and Western conferences)
Electric Utility Forecasters' Forum, June 2012. “Housing Wealth and the Demand for Electricity: Prometheus Bound.” (with Joe Wharton)
U.S. Federal Trade Commission, Microeconomics Conference, November 2011. “Ad Server and Firm Strategies in Contextual Advertising Auctions.”
Northwestern University, Searle Center Conference on Internet Search and Innovation, June 2011. “Firm Strategy in Contextual Advertising Auctions.”
University of California, Berkeley IGERT seminar, October 2009. “Broken or Fixed Effects?”

PROFESSIONAL AFFILIATIONS

Referee: *Review of Economics and Statistics, International Journal of Forecasting, Industrial Relations*
Member: American Economic Association, American Statistical Association