

SAMIR P. WARTY, PH.D.
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Dr. Warty specializes in applying econometric methods and economic, financial, and statistical theory to solve complex problems arising in business disputes. He has provided consulting support in various phases of the litigation process, from pretrial discovery and case strategy to expert reports, deposition preparation, and trial. He has conducted large-scale analyses and supported academic affiliates in a variety of securities and finance, antitrust, intellectual property, and general commercial litigation matters. Dr. Warty's litigation and advisory experience includes analyses of the pricing, risk, and performance of complex financial instruments, such as mortgage-backed securities, collateralized debt obligations, and credit default swaps; the pricing of complex derivative instruments, including in the interest rate and natural gas markets; price-fixing in industrial production; statistical sampling and extrapolation methodologies; and reasonable royalty rates for music licensing.

EDUCATION

Ph.D. Econometrics and Statistics, The University of Chicago Booth School of Business
M.S. Statistics, University of Washington
B.S. Mathematics (with honors), The University of Chicago

PROFESSIONAL EXPERIENCE

2013–Present Analysis Group, Inc., Chicago, IL
 Vice President
 Manager
 Associate

2008–2013 The University of Chicago Booth School of Business, Chicago, IL
 Research Assistant and Teaching Assistant

2005–2008 Analysis Group, Inc., Chicago, IL, and Boston, MA

SELECTED CONSULTING EXPERIENCE

Securities, Financial Products, & Institutions

- Analyzed valuation, risk, and performance of non-agency residential mortgage-backed securities under different market conditions using industry-standard software tools from Andrew Davidson & Co. and Intex
- Critiqued statistical properties and theoretic foundations of automated valuation models for residential real estate

- Assessed claims of market manipulation and mispricing in the settlement of interest-rate derivatives contracts
- Developed statistical bootstrapping and jump-diffusion modeling algorithms used to price peaking supply contracts for natural gas supply stored at LNG facilities

Statistics & Sampling

- Developed statistical sampling and extrapolation methodologies to estimate proportion of warranty claims subject to commercial damages
- Evaluated statistical sampling methodology in an analysis of collateral for residential mortgage-backed securities

Antitrust & Competition

- Assessed claims of bid-rigging and horizontal price-fixing in the U.S. automotive industry; computed overcharge damages resulting from alleged collusion
- Analyzed impact of mergers on value of combined firms; computed damages resulting from failed or improperly implemented mergers

Intellectual Property

- Valued music copyrights and industry licenses on behalf of performing rights organizations, music publishers, and sound recording interests
- Estimated damages in multiple copyright infringement and piracy-related matters

ARTICLES AND PUBLICATIONS

“Sequential Bayesian Learning for Stochastic Volatility with Variance-Gamma Jumps in Returns,” with Hedibert F. Lopes and Nicholas G. Polson, *Applied Stochastic Models in Business and Industry* (to appear)

Inference for Cholesky Stochastic Volatility via Sequential Monte Carlo, The University of Chicago Booth School of Business Working Paper

PROFESSIONAL ASSOCIATIONS

Member, American Economic Association

Member, American Statistical Association