

Anna Battauz

Associate Professor



Knowledge Group: Finance

Research Domains: Financial Markets

Teaching Domains:

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Biography

Anna Battauz è Associate Professor presso l'Università Bocconi, dove tiene corsi per studenti universitari, a livello triennale e magistrale, e per dottorandi in Calculus, Quantitative Finance, Derivatives Pricing, Numerical Methods for Finance, and Continuous-Time Finance. Dal 2022 è Direttrice del Master of Science in Finance.

I suoi interessi di ricerca sono nella Finanza Quantitativa, con un focus particolare sulla valutazione di titoli derivati, i problemi di allocazione di portafoglio e l'applicazione finanziaria delle tecniche di esercizio ottimale. Ha pubblicato su diverse riviste accademiche, tra cui Economic Theory, Journal of Economic Dynamics and Control, Management Science, Quantitative Finance e Review of Derivatives Research. Agisce come referente per diverse pubblicazioni accademiche ed è research fellow presso IGIER (Innocenzo Gasparini Institute for Economic Research) e Baffi.

Ha conseguito il Perfezionamento (Dottorato) in Matematica Finanziaria alla Scuola Normale Superiore di Pisa dopo la Laurea in Matematica presso l'Università di Udine. Si è unita all'Università Bocconi subito dopo il suo dottorato.

Research Monographs

Arbitrage Theory in Discrete and Continuous Time

BATTAUZ, A., F. ORTU, F. ROTONDI - "Arbitrage Theory in Discrete and Continuous Time" - 2026, World Scientific Publishers

Articles in Scholarly Journals

American options with acceleration clauses

BATTAUZ, A., S. STAFFOLANI, "American options with acceleration clauses", *Decisions in Economics and Finance*, 2025, vol. 48, pp. 13-35

American options with liquidation penalties

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "American options with liquidation penalties", *Computational Management Science*, 2025, vol. 22, no. 1

Optimal liquidation policies of redeemable shares

BATTAUZ, A., F. ROTONDI, "Optimal liquidation policies of redeemable shares", *Computational Management Science*, 2024, vol. 21, no. 2

Optimal exercise of American put options near maturity: A new economic perspective

BATTAUZ, A., M. DE DONNO, J. GAJDA, A. SBUELZ, "Optimal exercise of American put options near maturity: A new economic perspective", *Review of Derivatives Research*, 2022, vol. 25, pp. 23-46

On the exercise of American quanto options

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "On the exercise of American quanto options", *The North American Journal of Economics and Finance*, 2022, vol. 62, pp. 101738

American options and stochastic interest rates

BATTAUZ, A., F. ROTONDI, "American options and stochastic interest rates", *Computational Management Science*, 2022, vol. 19, pp. 567–604

Earnouts: The real value of disagreement in mergers and acquisitions*

BATTAUZ, A., S. GATTI, A. PRENCIPE, L. VIARENGO, "Earnouts: The real value of disagreement in mergers and acquisitions*", *European Financial Management*, 2021, vol. 27, no. 5, pp. 981-1024

Non-myopic portfolio choice with unpredictable returns: The jump-to-default case

BATTAUZ, A., A. SBUELZ, "Non-myopic portfolio choice with unpredictable returns: The jump-to-default case", *European Financial Management*, 2018, vol. 24, no. 2, pp. 192-208

Reaching nirvana with a defaultable asset?

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "Reaching nirvana with a defaultable asset?", *Decisions in Economics and Finance*, 2017, vol. 40, no. 1-2, pp. 31-52

Envelope theorems in Banach lattices and asset pricing

BATTAUZ, A., M. DE DONNO, F. ORTU, "Envelope theorems in Banach lattices and asset pricing", *Mathematics and Financial Economics*, 2015, vol. 9, no. 4, pp. 303-323

Kim and Omberg Revisited: The Duality Approach

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "Kim and Omberg Revisited: The Duality Approach", *Journal of Probability and Statistics*, 2015, vol. 2015, pp. 1-6

Real Options and American Derivatives: The Double Continuation Region

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "Real Options and American Derivatives: The Double Continuation Region", Management Science, 2015, vol. 61, no. 5, pp. 1094-1107

The put-call symmetry for American options in the Heston stochastic volatility model

BATTAUZ, A., M. DE DONNO, A. SBUELZ, "The put-call symmetry for American options in the Heston stochastic volatility model", Mathematical Finance Letters, 2014, no. 7, pp. 1-8

Real options with a double continuation region

BATTAUZ, A., M. D. DONNO, A. SBUELZ, "Real options with a double continuation region", Quantitative Finance, 2012, vol. 12, no. 3, pp. 465-475

Intertemporal asset pricing and the marginal utility of wealth

BATTAUZ, A., M. DE DONNO, F. ORTU, "Intertemporal asset pricing and the marginal utility of wealth", Journal of Mathematical Economics, 2011, vol. 47, no. 2, pp. 227-244

Risk tolerance levels for insurance companies

BATTAUZ, A., M. DE DONNO, A. SBUELZ, M. TOLOTTI, "Risk tolerance levels for insurance companies", Giornale dell'Istituto Italiano degli Attuari, 2009, vol. LXXII, pp. 289-300

Dynamic versus one-period completeness in event-tree security markets

BATTAUZ, A., F. ORTU, "Dynamic versus one-period completeness in event-tree security markets", Economic Theory, 2006, vol. 30, no. 1, pp. 191-193

Effective securities in arbitrage-free markets with bid-ask spreads at liquidation: a linear programming characterization

BACCARA, M., A. BATTAUZ, F. ORTU, "Effective securities in arbitrage-free markets with bid-ask spreads at liquidation: a linear programming characterization", Journal of Economic Dynamics and Control, 2006, vol. 30, no. 1, pp. 55-79

Optimal stopping and American options with discrete dividends and exogenous risk

BATTAUZ, A., M. PRATELLI, "Optimal stopping and American options with discrete dividends and exogenous risk", Insurance: Mathematics & Economics, 2004, vol. 35, no. 2, pp. 255-265

Dividends and uncertainty: evidence from the Italian market

BATTAUZ, A., F. BECCACECE, "Dividends and uncertainty: evidence from the Italian market", International Journal of Theoretical and Applied Finance, 2004, vol. 07, no. 01, pp. 45-62

Quadratic hedging for asset derivatives with discrete stochastic dividends

BATTAUZ, A., "Quadratic hedging for asset derivatives with discrete stochastic dividends", Insurance: Mathematics & Economics, 2003, vol. 32, no. 2, pp. 229-243

Change of numéraire and American options

BATTAUZ, A., "Change of numéraire and American options", Stochastic Analysis and Applications, 2002, vol. 20, no. 4, pp. 709-730

Coexistence states for periodic planar Kolmogorov systems

BATTAUZ, A., "Coexistence states for periodic planar Kolmogorov systems", *Nonlinear Analysis: Theory, Methods & Applications*, 1999, vol. 37, no. 6, pp. 735-749

Coexistence States for Periodic Competitive Kolmogorov Systems

BATTAUZ, A., F. ZANOLIN, "Coexistence States for Periodic Competitive Kolmogorov Systems", *Journal of Mathematical Analysis and Applications*, 1998, vol. 219, no. 2, pp. 179-199

Contribution to Chapters, Books or Research Monographs

Quali sicurezze per i nostri risparmi?

BATTAUZ, A., "Quali sicurezze per i nostri risparmi?" in *MateMilano: percorsi matematici in città.*, M. Bertolini, M. Cazzola, M. Dedò, S. Di Sieno, E. Frigerio, D. Luminati, G. Poldi, M. Rampichini, I. Tamanini, G.M. Todesco, C. Turrini (Eds.), Springer-Verlag, pp. 114-117, 2004