ABBREVIATIONS

AIG American International Group

ARCH Autoregressive Conditional Heteroskedasticity

BET Binomial Expansion Technique

bps basis points

CorBin correlated binomial distribution
CDO Collateralized Debt Obligation
CGF cumulant generating function
CRRA constant relative risk aversion
CVaR Conditional Value at Risk

DXY U.S. dollar index

ECB European Central Bank

EIS elasticity of intertemporal substitution

EMA exponential moving average

FX foreign exchange

GAO U.S. Government Accountability Office

GARCH Generalized ARCH
GDP gross domestic product
HLOC high/low/open/close prices

i.i.d. independent, identically distributed

IMF International Monetary Fund

xviii ABBREVIATIONS

MSE mean squared error

NegBin negative binomial distribution

NPV net present value

OECD Organisation for Economic Co-operation and Development

PIIGS Portugal, Italy, Ireland, Greece, Spain

RRA relative risk aversion

SAMURAI Self-Adjusting Mixtures Using Recursive Artificial

Intelligence

SEC Securities and Exchange Commission

S&P Standard & Poor's SMA simple moving average

SPX S&P 500 Index

SRE standard relative error

TSE Toronto Stock Exchange index

VaR Value at Risk

Pandora's Risk

