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Ethan Cohen-Cole is a Managing Director with Econ One Research. Dr. Cohen-Cole is an expert in banking, financial regulation, consumer credit, structured finance (RMBS, CMBS, CDS, CLN etc), financial markets, econometric methods, capital markets, analysis of networks, and systemic risk. Dr. Cohen-Cole is a former finance professor and has taught executive, MBA, Masters in Finance and undergraduates a range of topics including corporate finance, macroeconomics, valuation, financial risk management, banking, and financial institution management.

With more than 17 years of experience in financial services, litigation consulting and bank supervision, including experience with the Federal Reserve System as a bank regulator, and policy and regulation expert. Dr. Cohen-Cole has worked with clients across the world. His clients have included central banks, including the Bank of France, the Bank of Austria, Central Bank of Brazil, and the Bank for International Settlements. His financial sector clients have included the largest multinational banks in the US and Europe. Broadly experienced, Dr. Cohen-Cole has worked on client engagements in more than 25 countries in Europe, Asia, Africa, and North and South America.

Dr. Cohen-Cole has also been an invited visitor or speaker at a more than 175 professional and academic seminars and training sessions. These have included Federal Reserve System, Central Bank of Chile, Bank for International Settlements; ECB, Bank of France, Bank of Austria, European Economic Association, Chicago/London Conferences on Financial Markets; Financial Management Association (US and Europe); RiskMinds Europe; U of California – Berkeley, Harvard University, FDIC, European Central Bank, Bank of Italy, American Finance Association, American Economic Association, and Cambridge University.

Dr. Cohen-Cole has also been closely involved with the creation of financial sector regulations. He was a steering committee member of the Center for Financial Policy at the U of Maryland, served on an advisory committee to the BIS in the drafting of Basel I and II, serves as an advisor to three central banks on systemic risk management.

As a professor, he has written widely on topics including commodities markets, municipal bond markets, systemic risk, and financial markets in general. Some publications include *Journal of Financial Economics, Journal of Banking and Finance, Review of Economics and Statistics, Journal of Macroeconomics, American Law and Economic Review, Journal of Health Economics, and Economic Letters.*

Recent Professional History

Econ One Research	Managing Director Financial Services Practice Lead	2013-
Alvarez & Marsal	Managing Director	2012-2013
NERA Economic Consulting	Special Consultant	2010-2012
University of Maryland	Finance Professor	2009-2012
Federal Reserve Bank of Boston	Financial Economist Bank Supervisor	2006-2009

Education

Harvard University	BA	*History*
Princeton University	MPA	*Public Policy*
University of Wisconsin – Madison	MA	*Economics*
University of Wisconsin – Madison	Ph.D	*Economics*

Board Memberships

El Camino Hospital	Investment Committee

Select Areas of Expertise

Bank regulation and supervision
Structured finance (CDO, RMBS, CLN,etc)
Derivatives
Risk management
Pricing Models
Systemic Risk
OTC markets
High frequency / algorithmic trading
Advisor to BIS for Basel II creation
Market risk
Operational Risk
Foreign Exchange

Capital markets
Macroeconomics
Municipal Securities
Loan loss reserves
Payment systems
Consumer credit
Credit cards
Systemic risk
Commodities markets
Macro Prudential Regulation
Repo Markets, Securities lending
Credit risk

PUBLICATIONS – FINANCIAL SERVICES LITIGATION AND OTHER WHITE PAPERS

- "Stress Testing and Economic Capital: An Integrated Framework" with Matt Sekerke and James Zuberi
- "Is Mortgage Underwriting to Blame for Subprime Losses? Disentangling the effects of poor underwriting from the economic downturn" with Paul Hinton.
- "Consumer Credit Delinquencies: Why Do Some Choose Credit Cards over Mortgages?" Written for Filene Research Institute, 2010.
- "Understanding Municipal Bond Arbitrage" with Shuchi Satwah.
- "Institution-Specific Systemic Risk Assessment Methodology" with Chris Laursen.
- "Consumer Protection and Regulatory Changes in the Dodd-Frank Bill"

PUBLICATIONS – MACROECONOMICS

- "Monetary Policy and Capital Regulation in the US and Europe" with Jonathan Morse ***International Economics*****,** 134, 2013.
- "Nonlinearities in Growth: From Evidence to Policy" with Steven Durlauf and Giacomo Rondina ***Journal of Macroeconomics,*** 34(1)***,*** 2012***.***
- "The Balance Sheet Channel" with Enrique Martinez-Garcia, in **Financial Stability, Monetary Policy, and Central Banking**. Santiago: Bank of Chile, 2011
- Monetary policy and capital regulation in the US and Europe" with Jonathan Morse, ***European Central Bank working paper series #1222****.* 2010
- *"*The Balance Sheet Channel*"* with Enrique Martinez-Garcia ***Federal Reserve Bank of Boston Working Paper QAU 08-7****,* 2008.
- "In Noise We Trust? Optimal Monetary Policy with Random Targets" with Bogdan Cosmaciuc ***FRBB Research Department Working Paper 06-14****,* 2006.
- "Note on Investment Patterns Across Countries: What do we have left to learn from aggregate data?" **University of Wisconsin – Madison, dissertation,** 2006
- "Does the Financial Sector Impact the Real Economy? Evidence from the Commercial Paper Market during the 2007-2008 Financial Crisis" with Judit Montoriol, Gustavo Suarez and Jason Wu. **University of Maryland Working Paper 2012**

PUBLICATIONS – SYSTEMIC RISK AND FINANCIAL INSTITUTIONS

- "Strategic Interactions on Financial Networks for the Analysis of Systemic Risk" " in **Handbook of Systemic Risk**, 2013. Cambridge University Press; with Andrei Kirilenko and Eleonora Patacchini,.
- "How your Counterparty Matters: Using Network Methods to Explain Return Patterns in Anonymous Marketplaces" with Andrei Kirilenko and Eleonora Patacchini.. ***Journal of Financial Economics***. *Forthcoming.*
- "Systemic Risk and Network Formation in the Interbank Market" with Eleonora Patacchini and Yves Zenou. ***Working paper***
- "Asset Liquidity, Debt Valuation and Credit Risk" ***Federal Reserve Bank of Boston Working Paper QAU 07-5***, 2007.
- "Loss Distribution Estimation, External Data and Model Averaging." with Todd Prono. ***Journal of Financial Risk Management***. 2007.
- "The Use of ABX Derivatives in Credit Crisis Litigation" with Faten Sabry in **Journal of Structured Finance**, forthcoming.

PUBLICATIONS – CONSUMER CREDIT

- "Your House or Your Credit Card, Which Would You Choose? Personal Delinquency Tradeoffs and Economic Spillovers" with Jonathan Morse. ***Federal Reserve Bank of Boston Working Paper QAU 09-5,*** 2009.
- "Who Gets Credit after Bankruptcy and Why? An Information Channel?" with Burcu Duygan-Bump and Judit Montoriol ***Journal of Banking and Finance***, 2013.

- "The Option Value of Consumer Bankruptcy" ***Federal Reserve Bank of Boston Working Paper QAU 09-1***, 2009.

PUBLICATIONS – ECONOMETRIC METHODS

- "Multivariate Choice and Identification of Social Interactions." with Xiaodong Liu and Yves Zenou. ***Journal of Econometrics****, 2nd round revision.*
- "Loss Distribution Estimation, External Data and Model Averaging." with Todd Prono. ***Journal of Financial Risk Management***. 2007.
- "Is Obesity Contagious? Social Networks Vs. Environmental Factors in the Obesity Epidemic," with Jason Fletcher, ***Journal of Health Economics*** : 27(5), 2008.
- "Are All Health Outcomes "Contagious"? Detecting Implausible Social Network Effects in Acne, Height, and Headaches," with Jason Fletcher ***British Medical Journal*** 337, 2008
- "Unpacking Social Interactions," with Giulio Zanella, ***Economic Inquiry*** 46(1), 2008. Special issue with guest editor James Heckman.
- "Multiple Groups Identification in the Linear-in-Means Model," ***Economics Letters*** 92(2), 2006.
- "Model Uncertainty and the Deterrent Effect of Capital Punishment," with Steven Durlauf, Jeffrey Fagan and Daniel Nagin, ***American Law and Economic Review*** 2009

LITIGATION SUPPORT EXPERIENCE

Designated Expert

- Testifying expert in trade secrets case in distressed asset industry.
  - *Expert report pending*
- Testifying expert in criminal matter in prepaid debit card industry.
  - *Testified in superior court, case closed.*
- Testifying expert on RMBS securities matter.
  - *Case Settled*
- Testifying expert on various RMBS securities matters.
  - *Expert report pending*
- Testifying expert on various RMBS insurance put-back matters.
  - *Expert report pending*
- Testifying expert on suitability issues in structured product (Credit linked note, CDO, CDS on CDO) issuance.
  - *Expert Report Submitted, Deposed, Case Pending.*
- Testifying expert for investment fund in life insurance claims dispute.
  - *Expert Report Submitted, Case Pending.*
- Testifying expert for investment fund in life insurance claims dispute.
  - *Expert Report Pending.*
- Testifying expert for damages in matter relating to performance standards for investment fund.
  - *Expert Report Submitted, Deposed*
- Testifying expert in matter relating to insolvency for large financial institution.
  - *Expert Report Submitted, Case Settled.*
- Testifying expert on loan loss reserves methods for large financial institution in SEC investigation.
  - *Expert Report Submitted, Case Settled.*
- Testifying expert for structured product insurer in dispute related to Commercial Real Estate CDO valuation and waterfall issues.
  - *Expert Report Submitted; Deposed; Case Settled.*
- Testifying expert for defense counsel in connection with credit card processing contracts and US consumer payment systems.
  - *Expert Report Submitted, Case settled.*
- Testifying expert for SEC in case related to fraudulent reporting.
  - *Case settled.*
- Testifying expert for case related to quantification of reputational costs in investment banking.

    - *Expert Report Pending*
- Testifying expert for case related to CDO acceleration and liquidation dispute.
    - *Expert Report Pending*
- Testifying expert for case related to regulation of overseas sales of US securities.
    - *Expert Report Pending*
- Testifying expert for case related to distressed debt trading
    - *Expert Report Pending*

Consulting Expert

- Provided evaluation of determinants of profitability in high frequency / algorithmic trading intellectual property matter.
    - *Case Pending.*
- Provided detailed evaluation of mortgage portfolio to evaluate allegations of underwriting standard violations, and reps and warranties.
    - *Detailed econometric analysis*
- Provided structured mortgage portfolio (RMBS) valuations in damages settlement related to allegations of mispricing of securities.
    - *Detailed econometric analysis, case settled.*
- Provided portfolio valuations on structured products (RMBS, CDOs) based on macroeconomic trends in mortgage insurance dispute.
    - *Detailed econometric analysis, case settled.*
- Provided support in coordination, analytic methods and legal strategy in > $1bn financial services derivative matter.
    - *Case Pending.*
- Provided support in coordination, analytic methods and strategy for case relating to trustee and custodian mismanagement of ABCP facility.
    - *Case Pending.*
- Provided support for case relating to fraudulent transfer in RMBS structured product conduit.
    - *Case Pending.*
- Provided industry background and case support for matter relating to US payment systems.
    - *Case Pending.*
- Provided consumer finance analytics for case relating to Ponzi scheme.
    - *Case Pending.*
- Provided analytics for case relating to benefit payments from bankrupt corporate entity.
    - *Case Pending*
- Provided systemic risk measurement and analysis as applies to insurance industry.
    - *Regulatory commentary and white papers.*
- Provided analytical support and consulting advice to mid-sized fund of funds.
    - *Detailed econometric analysis and legal strategy, case settled.*
- Provided analytic support in bankruptcy matter relating to valuation of newly introduced preferred securities and options.
    - *Detailed analysis and valuations.*
- Provided analytic and research support to European central bank investigation of banking sector.
    - *Detailed analytics of European regulatory standards and review of investment details. Case pending.*

Selected Client Experience – Financial Services

- Construction of full suite of risk management models for use in stress testing by mid-sized Midwestern US Regional Bank.
- Development of MSR portfolio valuation tools for use by US Regional Bank.
- Development of CRE and commercial loan risk assessment tools for Southern US Regional Bank.

- Supported framework development by **Bank for International Settlements** and industry of BASEL I banking regulations.
- Due diligence on mid-market and retail companies for hedge funds, investment companies and corporates.
- Provided pricing tools for a debt collection investor for investment purposes.
- Providing training program on methods, measurement and regulatory approaches for systemic risk to **Bank of Austria and Eurosystem.**
- Built quantitative tools for large charity organization which auctioned / sold commodities as part of USAID title II programs.
- Providing macroeconomic and technical support to research division and payments group at **Bank of France** on systemic risk analysis and regulation in post-crisis environment.
- Providing technical support and oversight to **New York City Department of Consumer Affairs** of large-scale survey of financial product usage.
- Provided comprehensive enterprise risk management program to **Bancomer** including asset liability management, deposit sensitivity analysis, and interest rate risk analysis.
- Delivered framework for asset-liability management and interest rate risk analysis to **Bank of Montreal.**
- Constructed first large bank operational risk framework (1995) for measurement and management to **Union Bank of Switzerland**.
- Provided methodology and system for analysis of sovereign debt to **World Bank and Bank of Brazil.**
- Constructed new credit score card system for general commercial lending, shipping and manufacturing to **Den Norske Bank.**