EDHEC BUSINESS SCHOOL

Jean-Michel Maeso
Senior Quantitative Researcher

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EDUCATION

2007 – 2010	**Ecole Centrale Lyon, Graduate Engineering School** *Msc in mathematical engineering in a top tier French engineering school*

- Main courses include: stochastic calculus for finance, econometrics, probability theory and mathematical statistics, optimization, Monte Carlo methods, operational research, financial theory

PROFESSIONAL EXPERIENCE

Since October 2015	**EDHEC-Risk Institute (Nice)** **Senior Quantitative Researcher**, permanent contract *Applied research in finance using stochastic modeling, machine learning, econometrics and optimization*

- Current research interests include: investment solutions for retirement investing, factor investing in government and corporate bond markets, equity and fixed income portfolio construction, pricing (coding in Python, R, Matlab and VBA)
- Management of several research chair projects sponsored by banks and asset managers (Bank of America, Amundi, Lyxor and Banque de France Gestion)
- Writing and publication of academic and in-house papers
- Creation of the course "Basics in Statistics" for the online MSc in data management and business analytics
- Follow-up of several students in the context of elective courses and master's thesis

09/14-07/15	**Covea Finance (Paris)** **Quantitative Analyst**, permanent contract *Development of a quantitative research department under the direct supervision of the CIO. The desk is in charge of investments in structured products*

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Lille Campus
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Nice Campus
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Paris Campus
Tel.: +33 (0)1 41 16 76 34

London Office
Tel.: +44 (0)20 7304 7064

Singapore Office
Tel.: +65 6438 0030

- Research, development and implementation of investment solutions (structured products and systematic strategies) on equities, fixed income, credit and currencies (coding in Matlab and VBA)
- Bimensual meeting with the CIO: trade ideas proposals, tools development, projects in progress
- Quaterly meeting with the CEO concerning the desk development
- Participation to investment committees: presentation of trade ideas and quantitative studies
- Direct relationship with structured products desks of banks: trade ideas, quantitative research, trade executions

04/13-07/14   **Cartego Finance (Paris)**
Quantitative Strategist, permanent contract
Asset allocation, bespoke investment solutions and risk management for institutional long-term investors (pension funds, listed companies, insurances, SWFs, family offices…) on an international perimeter

- Development and implementation of quantitative strategies, portfolio optimization and risk & performance analysis (coding in and R, VBA and C++)
- Participation to investment and risk committees
- Supervision of a junior quantitative analyst

09/11-03/13   **Strafi (Paris)**
Financial Engineer, permanent contract
Hedging interest rate and FX risks for corporates and private equity funds

- Strategy proposals for hedging interest rate (swap, cap, floor, collar, swaption…) and FX risks (forward, vanilla option, accumulator, cross currency swap…)
- Pricing tools development for derivatives, strategy simulations, efficiency tests and stress tests (coding in VBA)
- Daily and bimensual macroeconomic notes redaction
- Customer relationship management

04/10-08/11   **Mazars (Paris)**
Analyst, permanent contract (including a 4 months end-studies internship)
Quantitative models review and risk modeling for Natixis on a toxic credit derivatives portfolio (CDS, CDO, CDO^2, RMBS, CLO ...)

- Calculation of expected loss in the CDO models via Monte Carlo simulations
- Pricing validation of the financial guaranty granted by BPCE to Natixis via the Black and Scholes model
- Follow-up of the provisioning of assets wrapped by monolines or CDPCs and market risk indicators (sensitivities, limits, stress tests and VaR)

ACADEMIC PUBLICATIONS

- Maximizing an Equity Portfolio Excess Growth Rate: A New Form of Smart Beta Strategy?, *Quantitative Finance*, March 2020, 20(7), 1185-1197. Co-written with L.Martellini

- Measuring Portfolio Rebalancing Benefits in Equity Markets, *The Journal of Portfolio Management*, March 2020, 46(4), 94-109. Co-written with L.Martellini

- Factor Investing in US Sovereign Bond Markets: A New Generation of Conditional Carry Strategies with Applications in Asset-Only and Asset-Liability Management, *The Journal of Portfolio Management*, Quantitative Special Issue 2020, 46(2), 121-140. Co-written with R.Rebonato and L.Martellini

- Defining and Exploiting Value in US Treasury Bonds, *The Journal of Fixed Income*, Fall 2019, 29 (2), 6-25. Co-written with R.Rebonato and L.Martellini

- Factor Investing and Risk Allocation: From Traditional to Alternative Risk Premia Harvesting, *The Journal of Alternative Investments*, 2017, 20(1), 27-42. Co-written with L.Martellini

LANGUAGES & COMPUTER SKILLS

- English Fluent (TOEFL PBT: 593/673)
- German Basic knowledge
- Microsoft Windows environment, Pack Office
- Programming Matlab, R, VBA, Python
- Financial data Bloomberg, Reuters, Datastream, CRSP

INTERESTS AND ACTIVITIES

- Sport Competitive tennis (2020-2021 French ranking: 3/6)
- Associations President and coach of the Ecole Centrale Tennis Club
- Teaching Private lessons in mathematics, finance and physics (up to *classes préparatoires*)
- Tennis lessons

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