Pietro Bettini

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EDUCATION

Columbia University | MA in Mathematics of Finance   New York, NY
08/2024 – 12/2025

Selected coursework: Time Series, Stochastic Processes, Model and Trade Derivatives, Bayesian Statistics, Machine Learning for Finance.

Università degli Studi di Trieste | Bachelor's in Business Administration and Management   Trieste, Italy
Average GPA: 3.74   09/2021 – 07/2024
Selected coursework: Statistical Methods with application to Finance, Financial Mathematics, Financial Econometrics, International Macroeconomics, Advanced Accounting.
Thesis: Derivatives Pricing and Strategies: A Focus on Agricultural Commodities.

PROFESSIONAL EXPERIENCE

Macoritto Valentino S.r.l. | Export Researcher (Student Job)   Pordenone, Italy
Italian Artisan Food Manufacturer   11/2021 – 07/2024
• Participated in company management, contributing to strategic decision-making and operational oversight and sales.
• Researched growth prospects and evaluated optimal market entry strategies, executing promotional campaigns across diverse platforms.
• Represented the company at international expositions in Dubai and Doha, showcasing products and expanding brand visibility.
• Led and launched the Alibaba Expansion Program, driving the company's entry into the Asian market and opening 16 mini-websites on Alibaba's B2B marketplace to support product promotion.

Chamber of Commerce Pordenone-Udine | Internship   Pordenone, Italy
Autonomous entities focused on promoting economic development   01/2020 – 02/2020
• Evaluated financing provisions for companies across various sectors, assessing their eligibility and growth potential.
• Gained insights into corporate structures and related legal considerations, enhancing understanding of business operations and regulatory frameworks.

PROJECT EXPERIENCE

Volatility Spillover Analysis   Trieste, Italy
08/2024
• Developed a multivariate GARCH-based model to analyze volatility spillovers across commodity markets.
• Calculated forecast error variance decomposition and spillover indices to quantify inter-market volatility transmission and identify net volatility transmitters and receivers.
• Used historical price data and implemented directional spillover calculations with Python.

Università degli Studi di Trieste | Data Analysis Lab   Italy
10/2023 – 05/2024
• Modeled data from the macroeconomic database Penn World tables.
• Conducted empirical test of absolute and conditional economic convergence and speed of convergence.
• Data modeling, Linear regressions, R.

EXTRACURRICULAR AND LEADERSHIP EXPERIENCES

X-Culture Project | Team Leader   Trieste, Italy
International experience learning project   02/2023 – 05/2023
• Conducted comprehensive analysis of a Private Label clothing enterprise and its industry.
• Achieved recognition among the top 3.5% of participating students for outstanding performance.

Arca Nuoto – Pallanuoto Trieste | Athlete   Pordenone - Trieste, Italy
Swimming team   2009 – 2022
• Successfully participated in swimming competitions on both national and international stages.

SKILLS

IT: Python, R, Stata, LateX, Overleaf, FactSet, Microsoft Excel, Word, PowerPoint, CanvaPro.
Languages: Italian (Native Speaker), English (Full Professional Proficiency), Spanish (Intermediate).
Interests: Swimming, Psychology, Painting, Ancient Roman History and Literature