Portfolio123

Beginner-Level Coaching: Mastering Portfolio123 for Systematic Investing

What you get: Build your first live, ready-to-trade strategy.

Course Objectives: This interactive coaching series guides you step-by-step through the basics of Portfolio123, emphasizing practical application and real-world relevance. You will learn foundational principles of factor investing, robust analysis techniques, and how to develop effective investment strategies from scratch. Each session is designed to maximize understanding, minimize common beginner mistakes, and inspire confidence in your investment decisions.

Coaching Content:

- **Day 1: Nature of the Factors:**
  - What are factors and why do they matter?
  - Types of factors: value, quality, momentum, and more
  - How to evaluate factor relevance and performance
- **Day 2: Building and Interpreting Factor Results:**
  - Navigating the Portfolio123 interface
  - Interpreting statistical outputs and performance metrics
  - Practical hands-on factor exploration
- **Day 3: Investment hypothesis development:**
  - Plan the asset pattern we are looking for
  - Discover the risks associated with our hypothesis
- **Day 4: Universe Creation and Out-of-Sample (OOS) Testing:**
  - Crafting specialized investment universes
  - Ensuring predictive reliability with robust OOS methods
  - Practical exercises for universe validation
- **Day 5&6: Constructing a Robust Ranking System:**
  - Combining multiple factors effectively
  - Assessing factor robustness and interaction
  - Enhancing predictability and avoiding overfitting
- **Day 7: Creating and Running Your Strategy Live:**
  - Translating theory into actionable strategies
  - Portfolio construction and management basics
  - Live strategy execution and monitoring
- **Day 8: Bonus Content:**
  - Navigating market volatility with systematic approaches
  - Portfolio risk management fundamentals
  - Introduction to basic performance analytics

Target audience: Ideal for new investors, aspiring quantitative analysts, financial professionals seeking systematic methodologies, or anyone eager to harness the power of Portfolio123 for structured investing success.

Prerequisites: Users need to have a basic understanding of finance and fundamental analysis.

Session Duration: 1-hour sessions.

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Intermediate-Level Coaching: Advanced Techniques in Portfolio123 Systematic Investing

What you get: Become a risk master (sizing, slippage, drawdowns).

Course Objectives: This intermediate-level coaching delivers hands-on experience in developing sophisticated factor models, advanced ranking systems, and dynamic long-short investment strategies. Participants will master robust testing methods, explore innovative market timing techniques, and learn to construct diversified investment universes and aggregate series to consistently outperform benchmarks.

Coaching Content:

- **Day 1: How to Avoid Concentration Risk in Your Strategy**
  - Spot concentration by sector/industry, size and single-name
  - Distinguish stock concentration vs. factor concentration
  - Add guardrails: caps, min holdings, liquidity filters
- **Day 2: How to Check for Overall Robustness**
  - Run parameter sensitivity tests (holdings, rebalance, costs)
  - Test small universe/rule variations
  - Identify overfitting and unstable edges
- **Day 3: How to Truly Understand Alpha and Beta**
  - Define alpha vs. simple outperformance
  - Read beta and correlation correctly
  - Separate market tailwinds from true edge
- **Day 4: How to Develop Long-Short Strategies**
  - Choose structure: market-neutral, beta-neutral, factor-neutral
  - Build a short book with constraints and risk limits
  - Control exposures: gross/net, sector neutrality, position sizing
- **Day 5: Advanced Ranking System Techniques**
  - Build multi-stage rankings (filters → rank → rules)
  - Combine factors without redundancy
  - Reduce turnover while keeping signal
- **Day 6: How to Validate Single Factors**
  - Check spreads, persistence, and turnover
  - Stress test by universe, sector, and regime
  - Translate into implementable rules
- **Day 7: Creating Macro Indicators (and Using Them in Strategies)**
  - Define tradable indicators (timely, stable, non-leaky)
  - Integrate into rules, exposure scaling, or universe switches
  - Keep triggers simple to avoid macro overfit
- **Day 8: How to Build an Antifragile Book**
  - Combine uncorrelated strategy sleeves
  - Stress test crashes, shocks, and liquidity events

Target audience: Perfect for finance professionals, quantitative analysts, experienced investors, portfolio managers, or anyone looking to enhance their systematic investing capabilities using Portfolio123.

Prerequisites: Participants should have basic familiarity with Portfolio123, factor investing principles, and fundamental quantitative methodologies. The user needs to have one or more complete strategies running in P123.

Session Duration: 1-hour sessions.

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Advanced-Level Coaching: Mastering High-Level Portfolio123 Strategies

What you get: Apply ML/AI to markets safely and interpretably.

Course Objectives: This advanced course provides rigorous training in developing, validating, and deploying sophisticated investment strategies. Participants will master industry versus universe-specific factors, advanced robustness and explainability techniques, AI integration, and portfolio management strategies designed for resilience across market cycles. Expect to gain actionable insights and advanced skills necessary for crafting and managing institutional-quality investment solutions.

Coaching Content:

- **Day 1: Theoretical Foundation on AI and ML**
  - Bias–variance, overfitting, and generalization
  - What "edge" means in ML (and when it's noise)
- **Day 2: Preprocessing Data**
  - Data cleaning, alignment, and point-in-time discipline
  - Missing values, outliers, scaling/normalization
  - Train/test pipeline setup
- **Day 3: Feature Selection**
  - Remove redundancy (correlation/collinearity control)
  - Feature engineering basics for financial signals
- **Day 4 & 5: Validate, Test and Interpret Results**
  - Proper validation: walk-forward
  - Metrics that matter: turnover, net returns
- **Day 6: Out of Sample Results**
  - Final holdout design and OOS rules
  - Cost realism and benchmark comparisons
- **Day 7: Stress-Testing ML Models**
  - Regime stress tests and adverse subperiods
  - Sensitivity to costs, liquidity, and noise
  - Fragility checks (feature removal / perturbations)
- **Day 8: How to Run a Model Live and Re-train It**
  - Live operations: signals, execution, monitoring, logging
  - Drift detection: performance + feature drift
  - Re-training policy, versioning, and rollback safeguards

Target audience: Designed for seasoned quantitative analysts, portfolio managers, investment strategists, and finance professionals aiming to leverage advanced techniques in systematic investing and gain a competitive edge.

Prerequisites: Participants should possess strong quantitative skills, significant experience with Portfolio123, and a solid understanding of factor investing and systematic model development.

Session Duration: 1-hour sessions.

Pricing:

Level	Hours	Rate	Full-Course Fee
Beginner	8 hrs	€125 /hr	€1,000 (€800 if paid up front!)
Intermediate	8 hrs	€185 /hr	€1,480 (€1,184 if paid up front!)
Advanced	8 hrs	€250 /hr	€2,000 (€1,600 if paid up front!)
Full Package	**24 hrs**	**€149.33 /hr**	**€3,584 (€3,225 if paid up front!)**

Conditions:

- Total Hours: 24
- Delivery: All sessions via Google Meet (recording only with prior approval)
- Scheduling: 100% flexible, tailored to your calendar and learning pace
- Who It's For: Anyone committed to mastering systematic, factor-based investing: from novices to pro quants
- Price per person, possible discount for large groups
- Payment in EUR (€) or equivalent amount depending on the market rate.
- Payment in advance.

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