# Fama–French Europe Factor Project – Progress Log

## 1. Progress Overview

Christos has constructed a clean investable universe of 135 European financial sector stocks using Interactive Brokers’ screener. The selection process ensured all securities are liquid, shortable, and legally tradable, creating a realistic dataset suitable for Fama–French factor analysis. The next step involves downloading historical price data and running the Carhart (4-factor) regressions to estimate market, size, value, and momentum betas.

## 2. Filter Characteristics

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| Filter | Description |
| Region | Europe |
| Sector | Financial |
| Industry | Any |
| Exchange | Europe Stocks |
| Price Filter | Price > €1 or local-currency equivalent |
| Average Volume | ≥ 500,000 shares traded daily |
| Shortability | Shortable shares > 0 |
| Restricted Securities | Excluded all restricted or sanctioned securities (e.g., GTCO LSE) |
| Number of Companies | 135 |
| Data Source | Interactive Brokers (IBKR) Stock Screener |

## 3. Next Steps

• Export the final stock list to a CSV file (fin\_europe\_universe.csv)  
• Map each ticker to its corresponding Yahoo Finance symbol  
• Download monthly adjusted close prices (2014–present) in EUR terms  
• Merge with Kenneth French Europe 4-factor dataset  
• Estimate Fama–French–Carhart betas using OLS with Newey–West corrections  
• Interpret the exposures by sub-industry (Banks, Insurance, Diversified Financials, REITs)