



QF623: Portfolio Management Project

Objective: In this project, we use stylized long-short equity factor mimicking portfolios from Ken French's data library as building blocks to construct a low-frequency trading strategy. 3 distinct modeling approaches will be used and each group will be asked to focus on one of these approaches (to be assigned by instructor). The following approaches are:

- Risk-based (equal risk contribution, sensitivity to the market and relevant macro risk factors)
- Trend-following (application of moving averages to determine trend)
- Regime-based (Markov-state models)

Data: Go to the [Ken French's data library](#) to create monthly time series of different factors formed on size and different fundamental, risk and price-volume characteristics.

Programming language: Matlab/ R/ Python

Group size: To be decided