Syllabus 2026; Prof. Alessandro Ramponi
📅 Week 10: [redacted] Apr 30

Macro topics: Step 6 - Ex-ante evaluation, Applications, Step 7a - Ex-ante performance attribution, Step 7b - Ex-ante risk attribution

📈 Theory

- Ex-ante evaluation
- Stochastic dominance
- Satisfaction/risk measures
- Mean-variance trade-off
- Expected utility and certainty-equivalent
- Value at Risk and quantile
- Spectral satisfaction measures
- Coherent satisfaction measures
- Non-dimensional ratios
- Step 5b: Performance aggregation - Historical
- Step 6: Ex-ante evaluation - Historical
- Step 7a: Ex-ante performance attribution
- Bottom-up exposures
- Top-down exposures: factors on demand
- Application: hedging
- Ex-ante risk attribution
- General criteria
- Euler decomposition

📝 Selected homework

- Properties of satisfaction measures
- Quantile satisfaction (VaR) computation: elliptical distribution
- Hedging: factors on demand versus Black-Scholes-Merton
- Euler decomposition: marginal risk contributions