

CUATS Coding Challenge Finalists Presentation

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5th February 2023

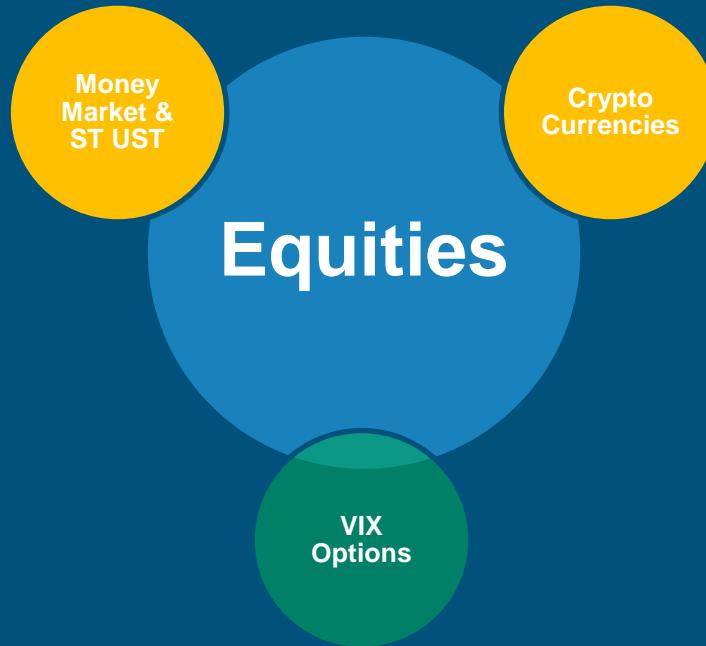


Presentation Plan

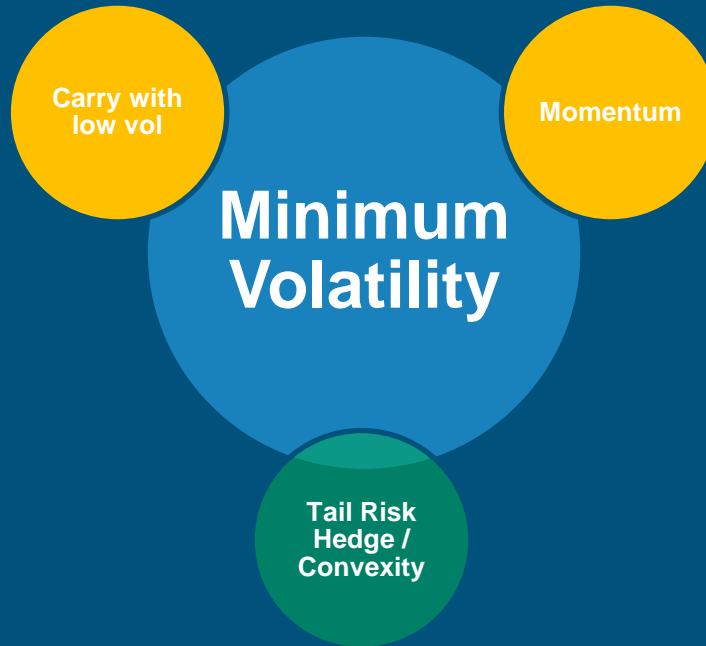
- I. Strategy Overview
- II. Performance Review
- III. Main Takeaways

Part 1: Strategy Overview

4 Asset Classes

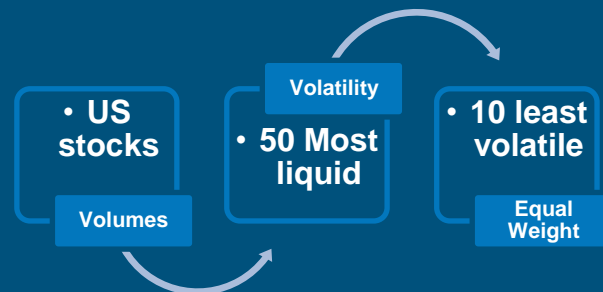


4 Sub Strategies



Core Strategy

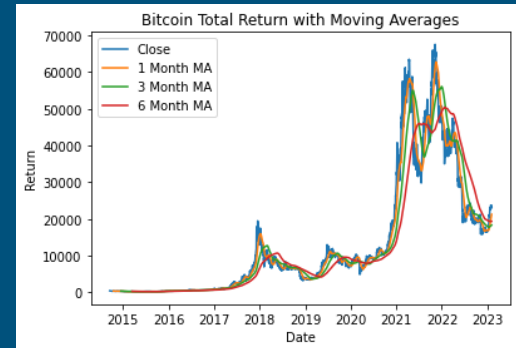
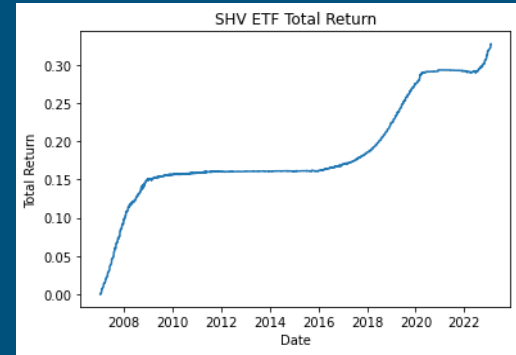
- Low volatility factor
 - US Equity Asset Class, matching the S&P benchmark
 - Established literature
 - Rather simple:
 - Monthly trading / rebalancing
 - Single indicator: realised 1 year volatility of log returns
 - Liquid universe
 - Unleveraged, in fact only x0.8 leverage of equal \$ weight of 10 least volatile liquid stocks



<https://www.aqr.com/Insights/Research/Journal-Article/The-Low-Volatility-Anomaly-Market-Evidence-on-Systemic-Risk-vs-Mispricing>

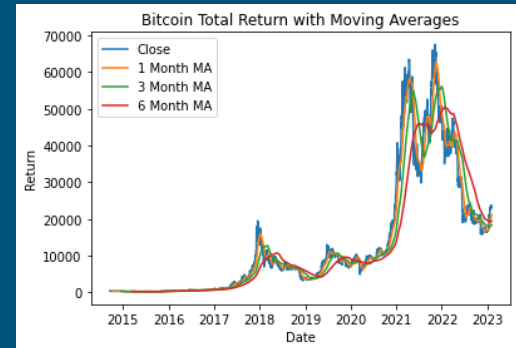
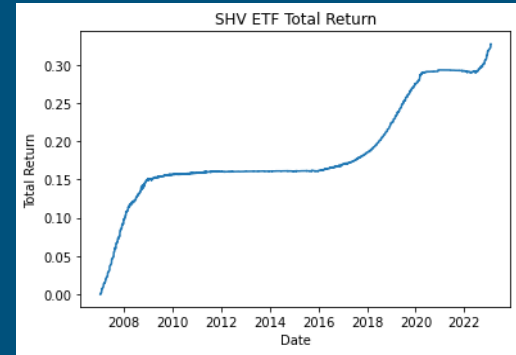
Risk Adjusted Returns Enhancers

- Carry
 - SHV: iShares Short Treasury Bond ETF (<1 year). Proxy for money market: small but consistent returns, low volatility
 - benefits from bond/equity (<0) correlation over GFC
 - Flat over subsequent 10 years in line with ZIRP
 - High Sharp ratio (2.8 since inception) -> can be leveraged (x8)
- Trend / Momentum
 - Crypto assets: Bitcoin, Ethereum, Litecoin
 - High volatility and trend
 - Good candidate for trend following strategy
 - Long only, keep the one with highest 70 bd momentum
 - Only x0.05 leverage



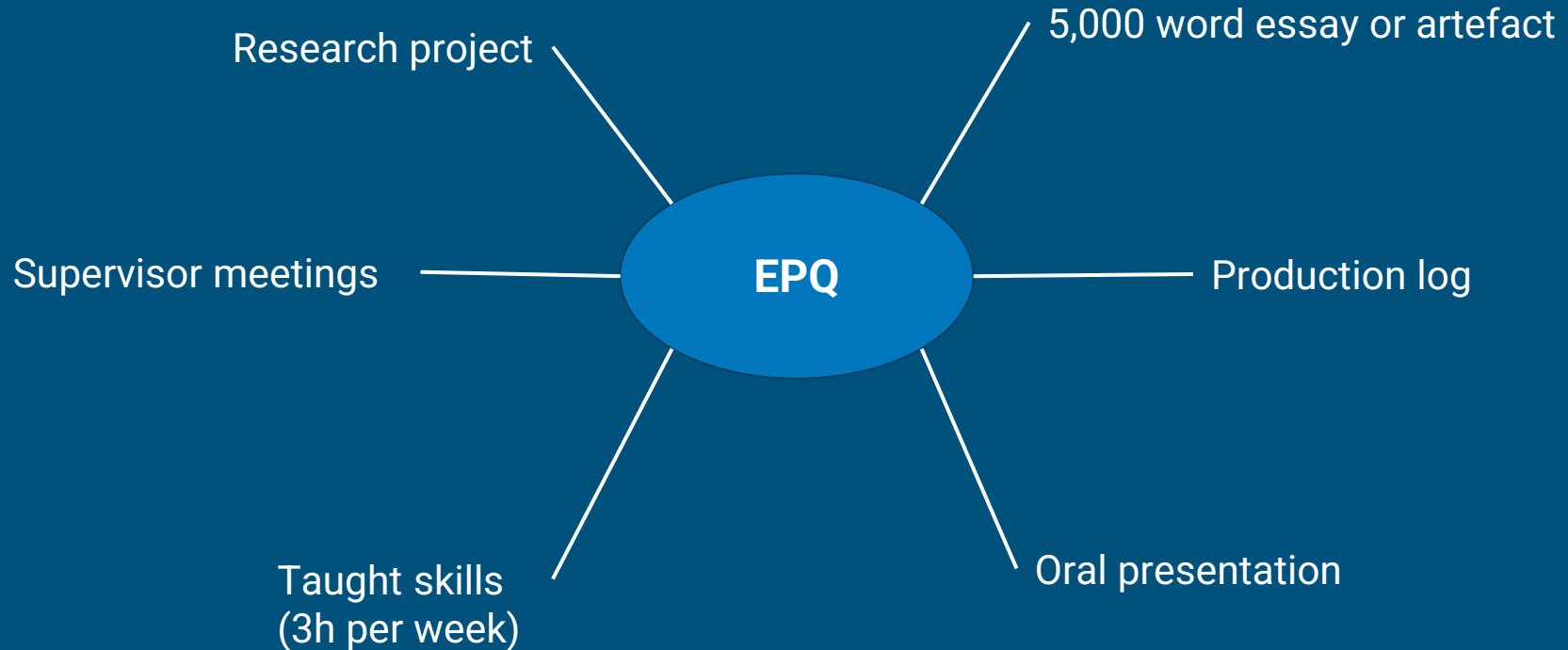
Tail Risk Hedge

- **Convexity**
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Part 2: Performance Review

What is an Extended Project Qualification ?



Questions & Answers