



HIGHTOWER

Portfolio Report



Prepared by
David Brown

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 koyfin




Fees & Income

Proposed Portfolio

Fees	0.1%	 Excellent
Yield	2.8%	 Average




Risk

Proposed Portfolio

Max Drawdown	-27.9%	 Average
Volatility	11.6%	 Average
Sharpe Ratio	0.76	 Good

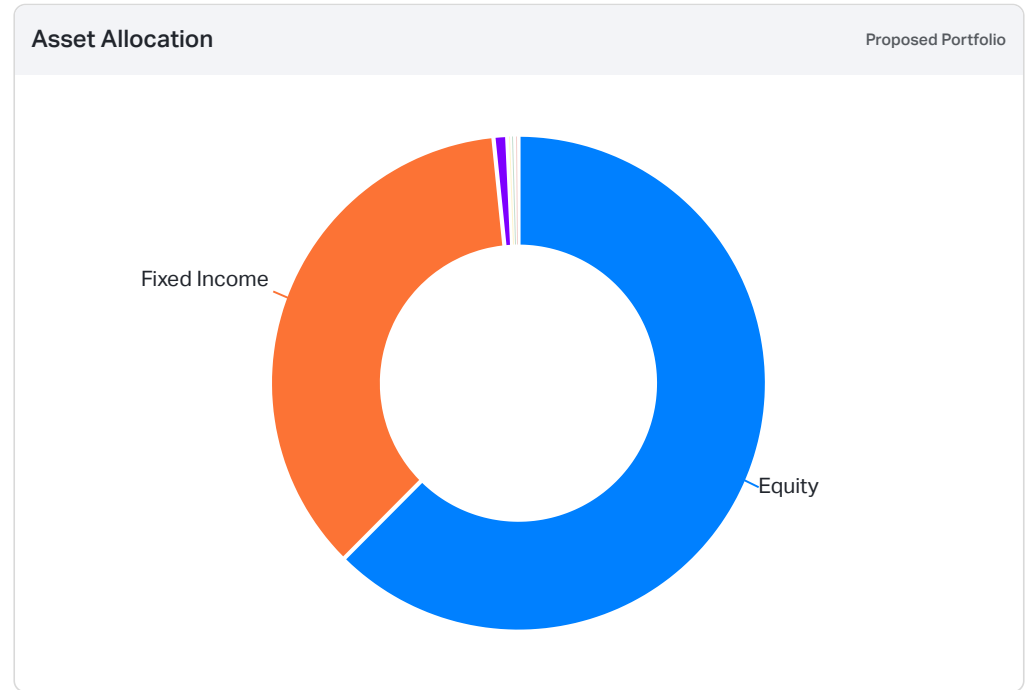
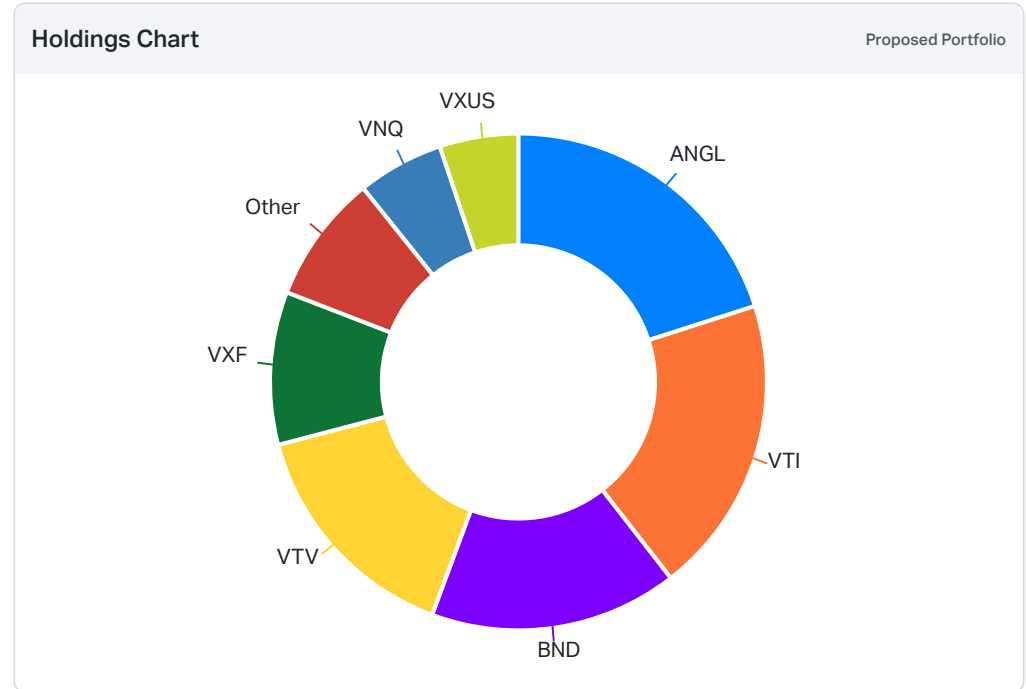
Performance

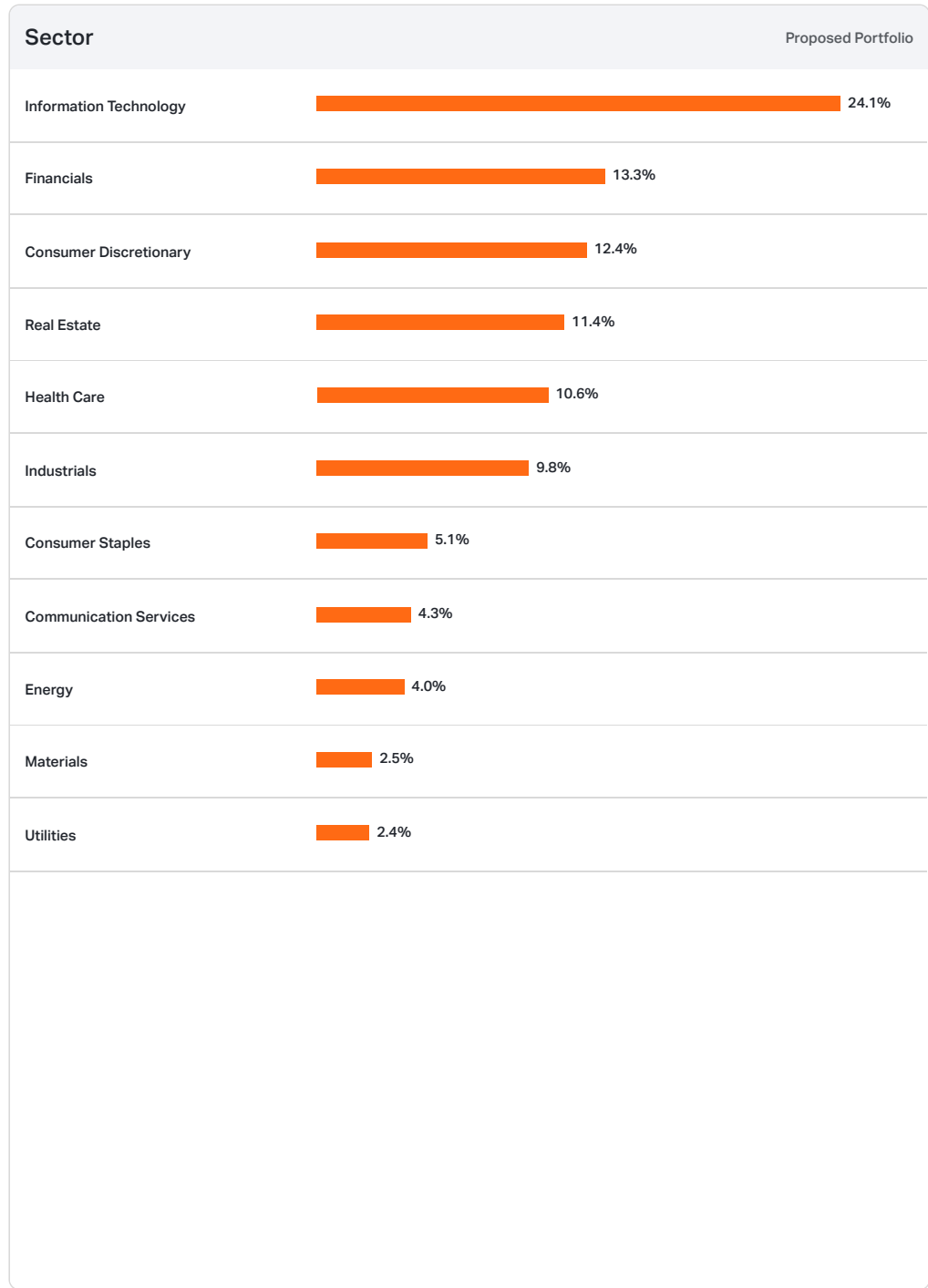
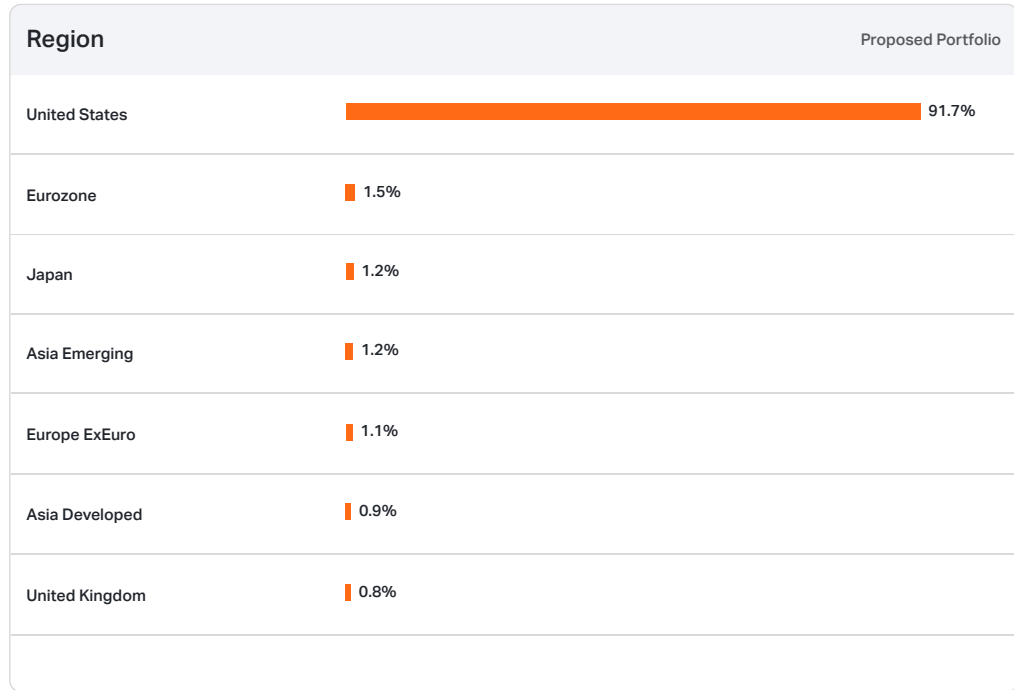
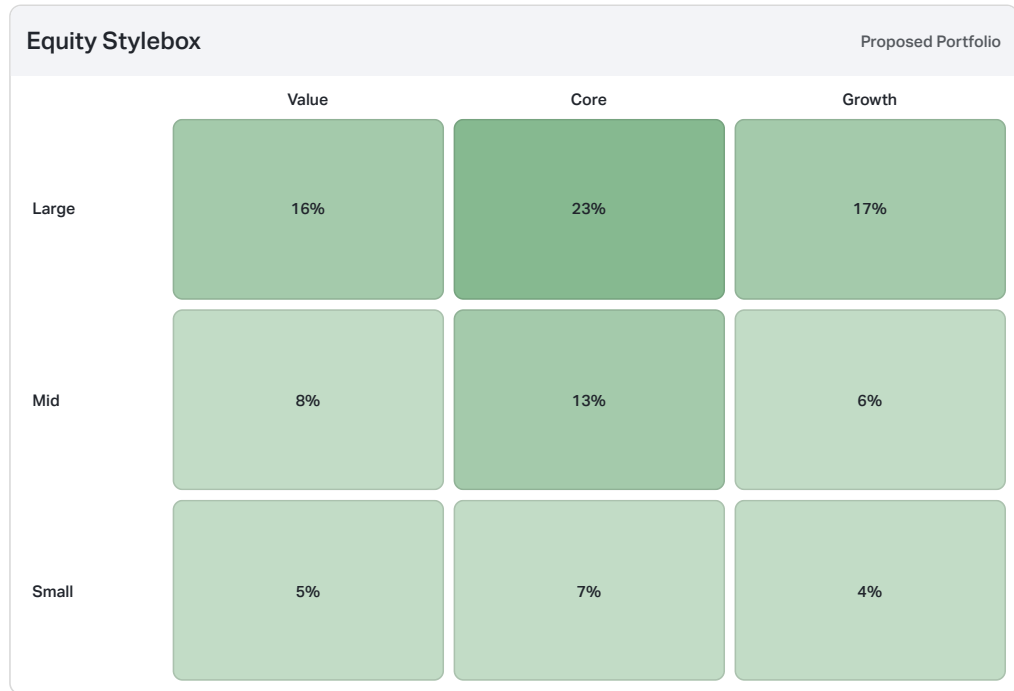
Proposed Portfolio

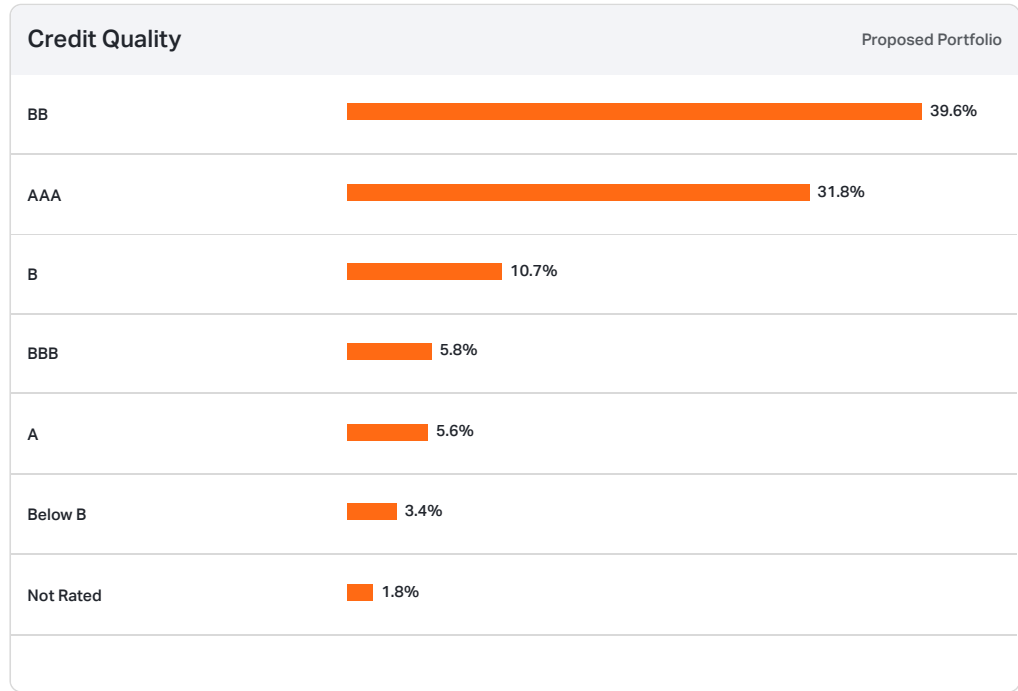
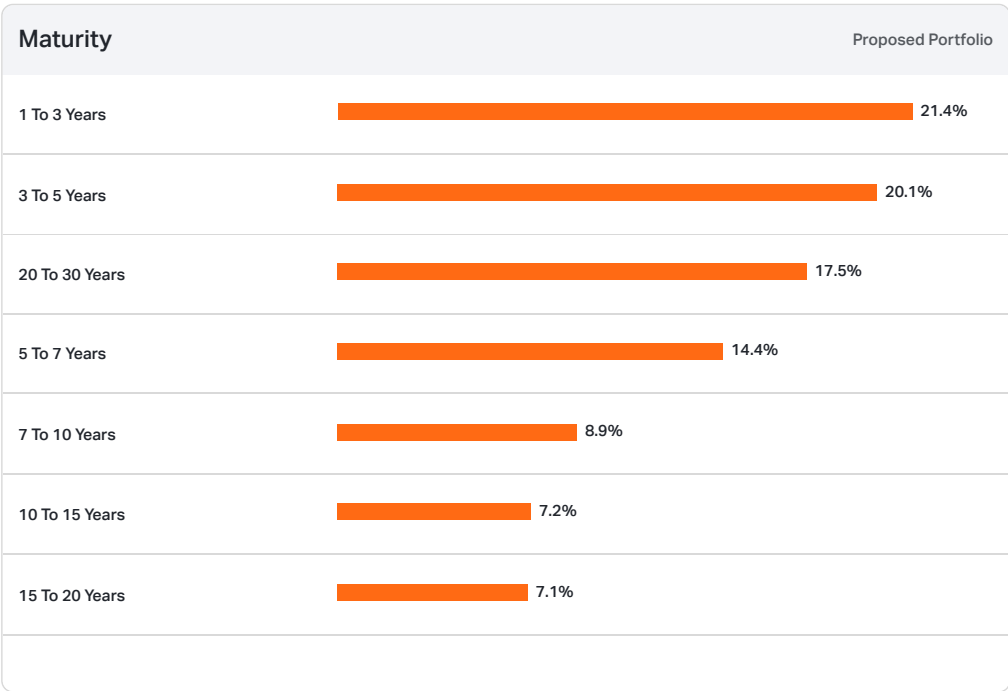
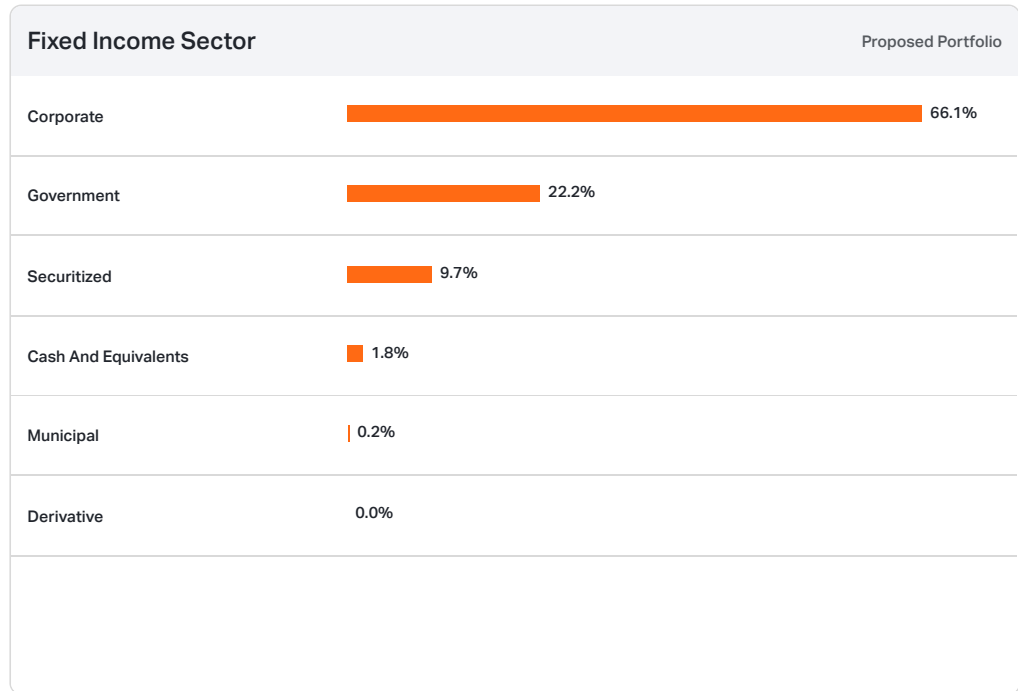
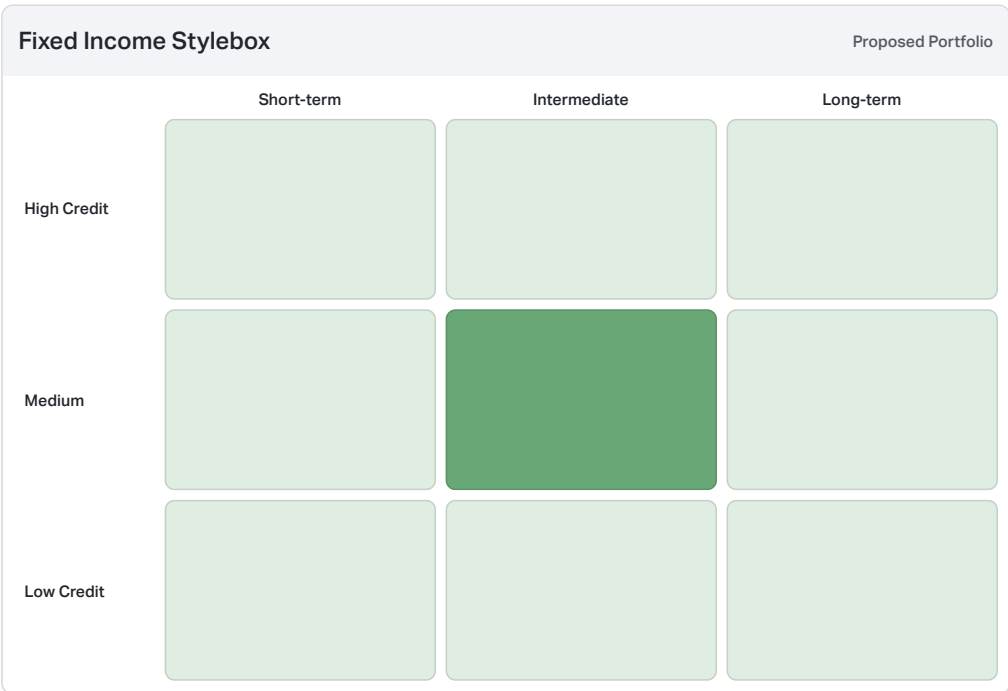
3 Years	3.6%	 Fair
5 Years	9.9%	 Average
10 Years	9.4%	 Average

Key Stats					
Name	1 Year	5 Year	10 Year	Dividend Yield	Expense Ratio
Proposed Portfolio		9.94%	9.43%	2.82%	0.08%

Top Holdings				
Ticker	Name	Current Weight	Dividend Yield	Expense Ratio
ANGL	VanEck ETF Trust - VanEck Falle...	20.20%	5.96%	0.25%
VTI	Vanguard Index Funds - Vanguar...	19.57%	1.26%	0.03%
BND	Vanguard Bond Index Funds - Va...	16.23%	3.39%	0.03%
VTV	Vanguard Index Funds - Vanguar...	15.32%	2.16%	0.04%
VXF	Vanguard Index Funds - Vanguar...	9.91%	1.20%	0.06%
VNQ	Vanguard Specialized Funds - V...	5.48%	3.68%	0.13%
VXUS	Vanguard STAR Funds - Vanguar...	4.99%	2.97%	0.08%
AMZN	Amazon.com, Inc.	3.56%	-	-
AAPL	Apple Inc.	3.06%	0.45%	-
NVDA	NVIDIA Corporation	1.68%	0.04%	-

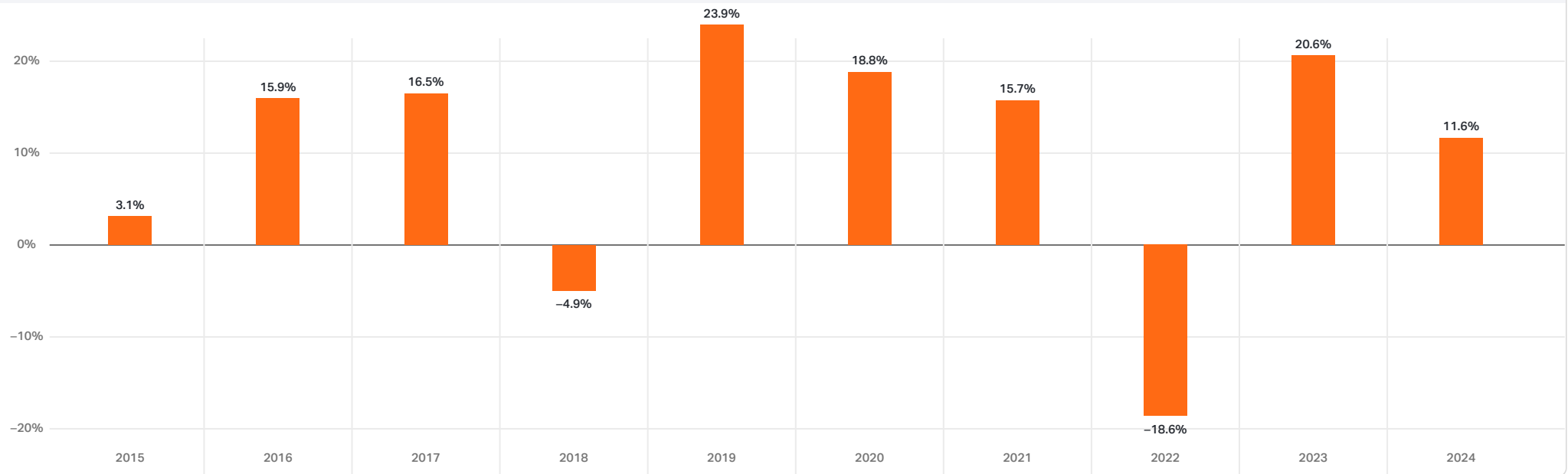






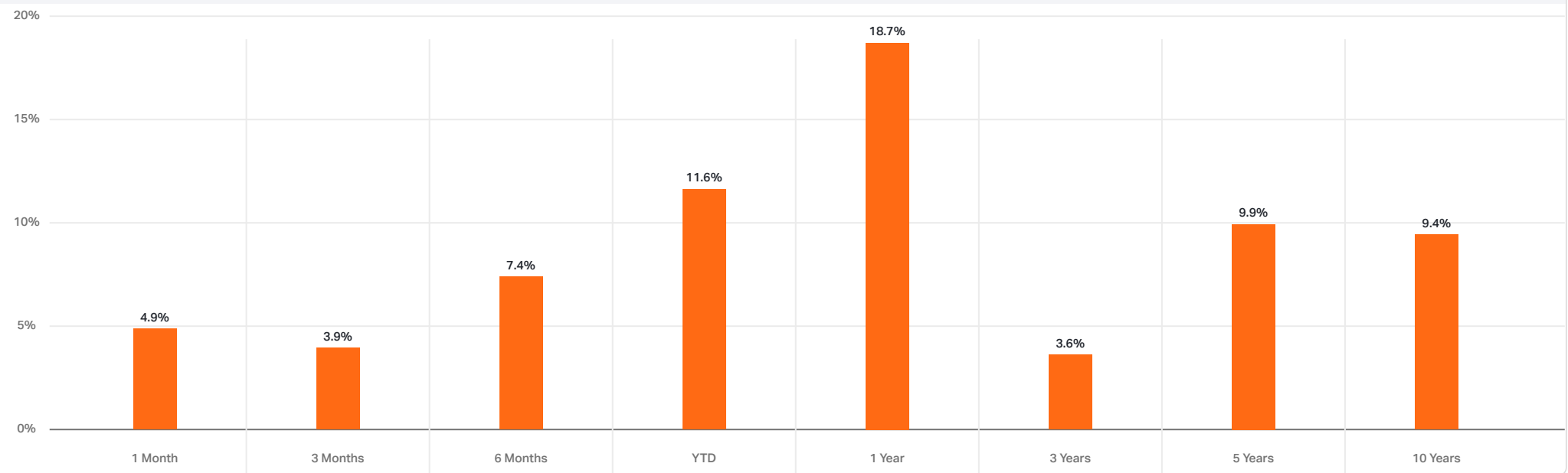
Total Return by Calendar Year

Proposed Portfolio



Trailing Total Return

Proposed Portfolio

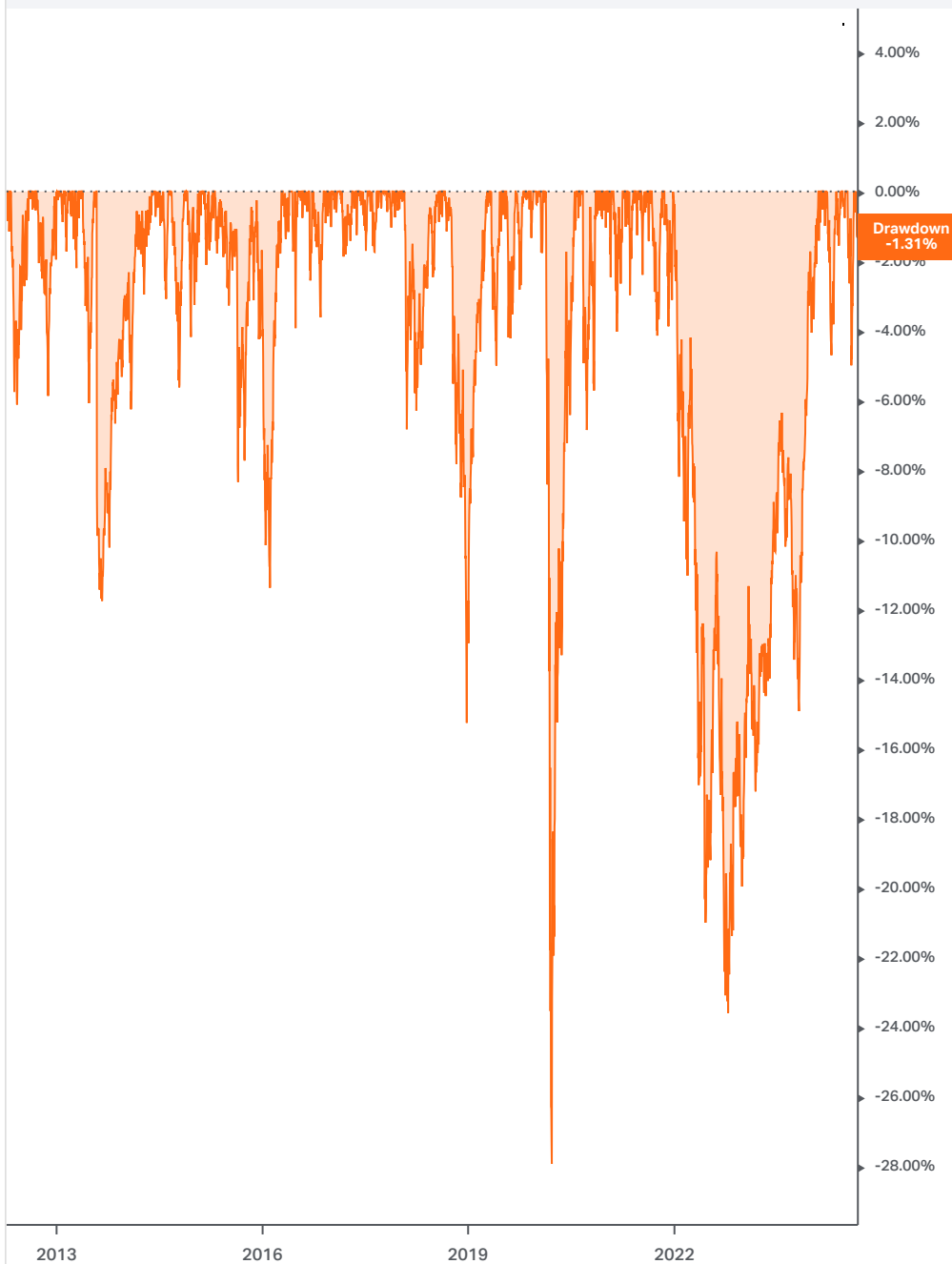


Total Returns

Proposed Portfolio



Drawdown from Peak



Stress Test

Proposed Portfolio

Q4 Volatility Spike 21 Sep 2018 - 21 Dec 2018

Year-end market turbulence due to portfolio adjustments, earnings reports, and geopolitical tensions.

-13.5%

Covid Crisis 19 Feb 2020 - 23 Mar 2020






















COVID-19 triggered a global economic downturn, with stock market volatility, widespread unemployment, and industry disruptions, prompting government stimulus.






















-27.9%

Inflation Surge 03 Jan 2022 - 12 Oct 2022

This raised economic worries, increasing costs for consumers and businesses. Central banks faced pressure to address rising prices while sustaining growth, influencing global market dynamics.

-23.0%

Top Holdings			Proposed Portfolio	
Ticker	Name		% of Portfolio	# of Funds Holding
 AAPL	Apple Inc.		4.25%	2
 AMZN	Amazon.com, Inc.		4.20%	2
 NVDA	NVIDIA Corporation		2.68%	2
 MSFT	Microsoft Corporation		1.14%	1
 AVGO	Broadcom Inc.		0.80%	2
 VOD V7 0...	VODAFONE GROUP PLC 04/79 1		0.76%	1
 BRKB	Berkshire Hathaway Inc.		0.75%	2
 TNOTE	TREASURY NOTE		0.74%	1
 NWL 4.2 ...	NEWELL BRANDS INC		0.72%	1
 JPM	JPMorgan Chase & Co.		0.66%	2
	Cash		0.61%	6
 XOM	Exxon Mobil Corporation		0.57%	2
 UNH	UnitedHealth Group Incorporated		0.57%	2
 ENTG 4.7 ...	ENTEGRIS ESCROW CORP SR SECURED 144A 04/29 4.75		0.57%	1
 PLD	Prologis, Inc.		0.57%	3
 WBA 3.45...	WALGREENS BOOTS ALLIANCE		0.50%	1
 FN	Fannie Mae Pool		0.50%	1
 TNOTE	TREASURY NOTE OTR		0.48%	1
 AMT	American Tower Corporation		0.43%	2
 JNJ	Johnson & Johnson		0.41%	2
 PG	The Procter & Gamble Company		0.41%	2

Top Performers			Proposed Portfolio	
Ticker	Name		Last Price	1 Year % Change
 RAMF	Ramkhamhaeng Hospital Public Company Limited		0.23	45,382.69%
 BSOKE	Batisöke Söke Çimento Sanayii T.A.S.		70.00	1,373.68%
 SLNO	Soleno Therapeutics, Inc.		49.91	1,088.45%
 LINK	Link Bilgisayar Sistemleri Yazilimi ve Donanimi Sanayi ve Ticaret ...		645.00	727.98%
 SMMT	Summit Therapeutics Inc.		12.50	696.18%
 TETMT	Tetamat Gida Yatirimlari A.S.		12,335.00	670.94%
 CRBP	Corbus Pharmaceuticals Holdings, Inc.		50.77	654.38%
 WGS	GeneDx Holdings Corp.		32.62	646.45%
 ASTS	AST SpaceMobile, Inc.		28.45	633.25%
 A196170	ALTEOGEN Inc.		307,000.00	624.06%
 ZIP	Zip Co Limited		2.12	583.87%
 CU6	Clarity Pharmaceuticals Ltd		6.87	556.32%
 LBPH	Longboard Pharmaceuticals, Inc.		33.89	480.31%
 KINS	Kingstone Companies, Inc.		9.42	457.40%
 RNA	Avidity Biosciences, Inc.		40.76	447.85%
 CADL	Candel Therapeutics, Inc.		6.31	443.97%
 TMGH	Talaat Moustafa Group Holding		61.20	436.99%
 GETD	GE T&D India Limited		1,628.95	401.81%
 MDIA	MediaCo Holding Inc.		3.51	395.41%
 APLT	Applied Therapeutics, Inc.		5.84	363.49%
 IIFLSEC	IIFL Securities Limited		338.05	346.74%

Annualized Returns

Proposed Portfolio

10.36%

The average yearly performance of an investment portfolio, shown as a percentage.

Annualized Excess Returns

Proposed Portfolio

8.90%

The average extra gains of an investment portfolio compared to a benchmark or risk-free rate over a year, shown as a percentage.

Standard Deviation

Annualized

Proposed Portfolio

11.55%

This measures volatility or variation in a portfolio's returns around its average. A higher number indicates greater potential for larger fluctuations in returns.

Downside Deviation

Annualized

Proposed Portfolio

7.37%

Measures the extent of volatility or risk associated with negative returns. It helps investors assess the downside risk of their portfolio during adverse market conditions.

Maximum Drawdown

Proposed Portfolio

-27.93%

Represents the largest peak-to-trough decline in portfolio value over a specific period. It helps investors gauge the potential downside risk and loss exposure of their portfolio.

Stock Market Correlation

Annualized

Proposed Portfolio

0.97

The degree to which the returns of different stocks or assets move in relation to each other. It helps investors assess the diversification benefits and manage overall portfolio risk.

Sharpe Ratio

Proposed Portfolio

0.76

Measures the risk-adjusted return of a portfolio. A higher Sharpe Ratio indicates better risk-adjusted performance, reflecting more return for the amount of risk taken.

Sortino Ratio

Proposed Portfolio

1.20

It evaluates the excess return of a portfolio relative to a target. A higher Sortino Ratio indicates better risk-adjusted performance, particularly in terms of minimizing downside volatility or losses.

Calmar Ratio

Proposed Portfolio

0.32

How much return an investment generates relative to the largest peak-to-trough decline in value. A higher ratio indicates better risk-adjusted returns, with lower relative drawdowns.

Alpha

Proposed Portfolio

1.27%

Measures if a portfolio is performing better or worse than expected given its level of risk. A positive alpha means the portfolio is doing better than expected.

Beta

Proposed Portfolio

1.40

How much the portfolio's value might go up or down compared to the overall market. If a portfolio has a beta of 1, it means it tends to move in line with the market.

Positive Months

Percentage

Proposed Portfolio

71.62%

Proportion of months in which the portfolio experienced positive returns. It provides insight into the frequency of positive performance periods for the portfolio.

Cash Level Sensitivity (Hypothetical 60/40 Portfolio)



Fee Sensitivity (Hypothetical 60/40 Portfolio)



Disclosures

This report is intended for informational purposes only and should not be used as a substitute for an account statement. The performance data presented is hypothetical and past performance is not indicative of future results. Investments carry risks, and diversification may not protect against substantial losses.

Koyfin does not endorse any specific investment strategies or portfolios and does not provide investment advice. Data in this report is sourced from various vendors and Koyfin cannot guarantee its accuracy. Security metrics, exposures, holdings, and performance data may be incomplete, potentially affecting portfolio report exhibits.

Definitions

Expense Ratio ('Fees'): A weighted average of the Prospectus Net expense ratios for the funds held in the portfolio. This does not include Advisor Fees, Transaction Fees, or Account fees. Canadian Mutual Funds use the Management Expense Ratio (MER).

Dividend Yield: All yields refer to the trailing twelve months (TTM) dividend yields for equities and TTM distribution yields for funds. The portfolio's dividend yield is a holdings-weighted average for each security.

Exposures: Exposure exhibits are based on data that totals 100%. Equity (and fixed income) exposures will sum to 100%, even if the portfolio is only partially composed of equities (or fixed income). Koyfin displays all exposure exhibits from largest to smallest based on the primary portfolio. Small exposures might not be represented in this report due to lack of space.

Stylebox: The Morningstar Style Box categorizes investments based on market capitalization and style for equities, and credit quality and interest rate sensitivity for fixed income. This report shows the weighted average style box of fund holdings. Individual equities are omitted from this analysis.

Risk: Risk metrics are calculated using monthly returns, except for maximum drawdown, which uses daily returns. When comparing two portfolios, Koyfin calculates risk metrics for the report period.

Market: SPY is used to represent the Market for relevant risk metrics.

Risk-Free Rate: Three-month Treasury Bills are used to represent the risk-free rate.

Annualized Returns: Geometric average yearly performance of an investment portfolio.

Annualized Excess Returns: The average extra gains of an investment portfolio over the risk-free rate.

Standard Deviation ('Volatility'): Measures volatility or variation in a portfolio's returns around its average. A sample standard deviation of monthly returns is scaled by the square root of 12 to annualize this metric.

Downside Deviation: Measures the extent of volatility or risk associated with negative returns. This metric is annualized.

Maximum Drawdown: Represents the largest peak-to-trough decline in portfolio value over the period.

Stock Market Correlation: The degree to which your portfolio moves in relation to the market.

Sharpe Ratio: A measure of risk-adjusted excess return of a portfolio. It is calculated by taking the annual return minus the risk-free rate and dividing by the annualized volatility.

Sortino Ratio: Evaluates the excess return of a portfolio relative to risk but uses downside deviation as the risk metric. It is calculated by taking the annual return minus the risk-free rate and dividing by the annualized downside deviation.

Calmar Ratio: Measures return relative to the largest peak-to-trough decline in value. It is calculated by taking

the annualized return minus the risk-free rate and dividing by the maximum drawdown.

Positive Months (Percentage): Proportion of months in which the portfolio generated positive returns.

Alpha and Beta: Alpha and beta are calculated using the portfolio's assigned benchmark, not the report's comparison security. Alpha and beta calculations are based on the maximum overlap between the portfolio and its benchmark, which may start after the report's start date. Alpha measures if a portfolio is performing better or worse than expected given its level of risk. Beta indicates how much the portfolio's value might go up or down compared to the benchmark.

