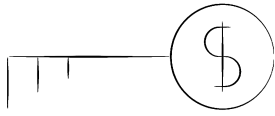


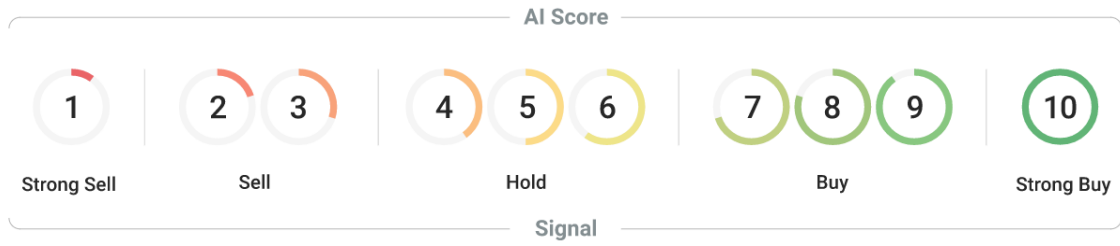
GRYNING | CAPITAL is a research service trusted by traders, pm's & top firms to surface broader, deeper and more differentiated insights at speed.

Cut through the noise and get straight to the signals.

Broad Market Dashboard | AI Score & Alpha Breakdown



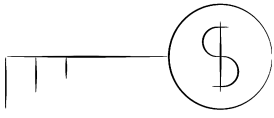
Broad Market Overview



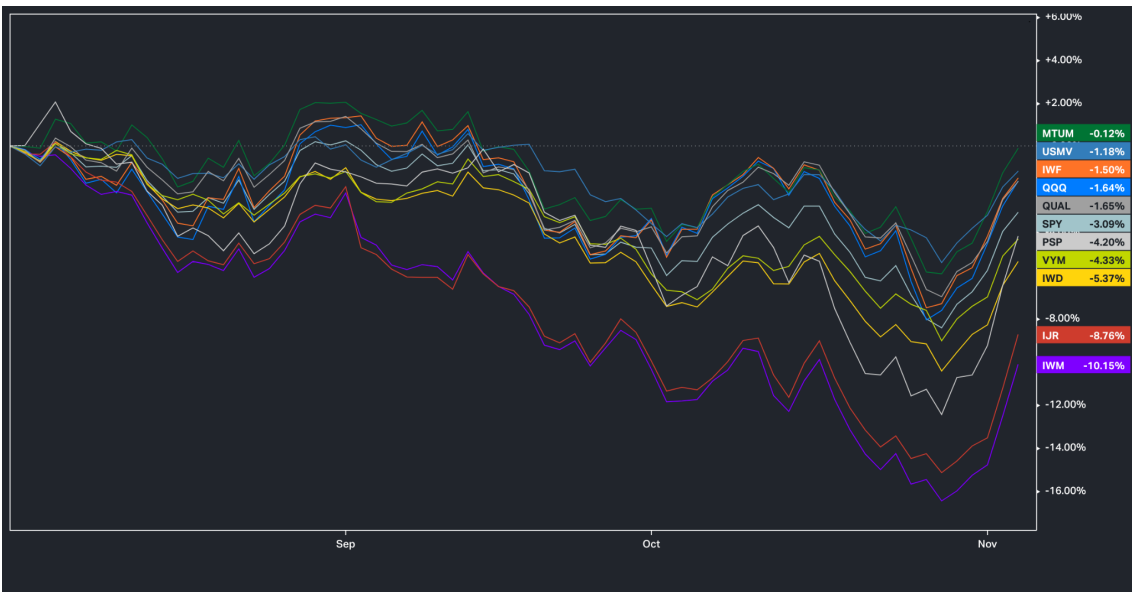
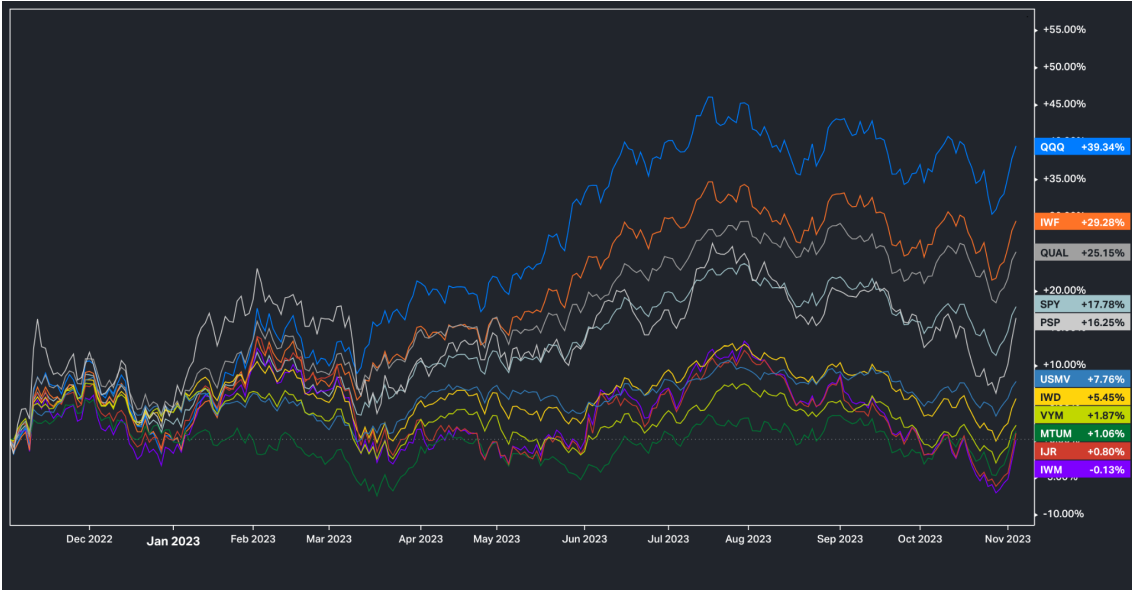
AI Scores | Broad Market | 06 Nov 2023

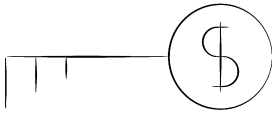
BROAD MARKET	SPY	QQQ	IWM	IWF	IWD	MTUM	IJR	USMV	VYM	QUAL	PSP
Fundamental	5	9	4	8	4	5	5	5	4	6	5
Technical	5	2	7	3	3	3	9	2	3	3	3
Sentiment	4	9	5	10	5	7	5	5	5	9	5
Low Risk	10	7	9	8	10	9	9	10	10	9	7
AI Score	4	3	9	4	3	2	9	5	2	2	3

Asset Class	RANK	I	II	III	IV	V	VI	VII	VIII	IX	X
Bond	Ticker	ZROZ	TLT	EDV	LTPZ	VGLT	TLH	TLTW	SPTL	SCHQ	BLV
	Fundamental	4	4	4	4	4	4	4	4	4	4
	Technical	10	10	10	10	10	10	10	9	10	10
	Sentiment	2	2	4	3	3	2	3	3	2	3
	Low Risk	8	10	9	10	10	10	10	10	10	10
	AI Score	10	10	10	10	10	10	10	9	9	9
Commodity	Ticker	WEAT	UNG	BDRY	DBB	BCI	USO	DBA	SIVR	BNO	PDBC
	Fundamental	5	5	5	4	4	6	5	4	5	5
	Technical	10	8	6	4	3	4	3	3	3	2
	Sentiment	6	5	6	6	5	5	6	7	5	3
	Low Risk	4	1	2	9	5	3	10	8	3	7
	AI Score	10	9	8	4	4	3	3	3	3	3
Equity	Ticker	CQQQ	ICLN	XBI	LIT	JETS	SLYV	RPV	SILJ	ARKG	IJS
	Fundamental	8	5	4	4	9	4	5	6	6	4
	Technical	10	10	10	10	10	10	10	9	10	10
	Sentiment	5	5	5	4	5	6	5	5	6	6
	Low Risk	4	7	4	6	5	9	10	4	3	9
	AI Score	10	10	10	10	10	10	10	10	10	10
Multi Asset	Ticker	RYLD	YYY	TAIL	CYA	RPAR	PCEF	PTLC	DRSK	XYLD	HNDL
	Fundamental	4	4	3	3	4	4	5	4	5	4
	Technical	8	9	8	5	7	4	2	4	4	2
	Sentiment	4	4	3	3	4	4	4	3	4	4
	Low Risk	10	10	10	1	10	10	10	10	10	10
	AI Score	9	9	8	5	4	4	3	3	3	3

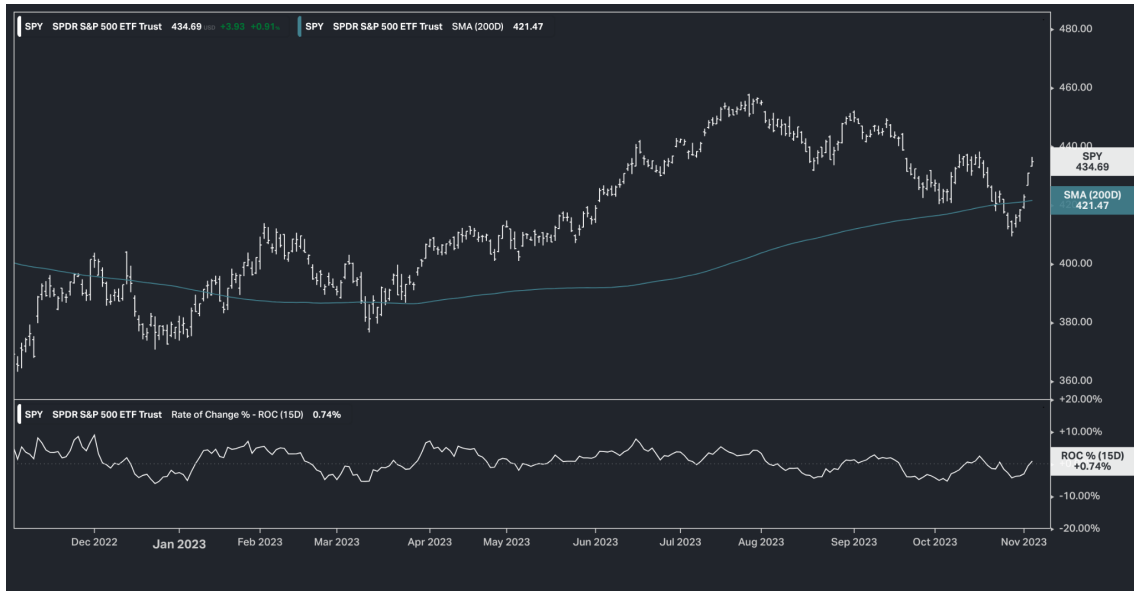


Broad Market | Performance Chart (1Yr, 3M)





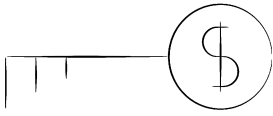
SPY | SPDR S&P 500 ETF
Fundamental 5 | Technical 5 | Sentiment 4 | Low Risk 10
AI Score 4 | Hold
#642 of 2156 in ETFs, #51 of 334 in Large Cap



SPDR S&P 500 ETF Trust (SPY) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (33.49%) is **-4.41%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of SPDR S&P 500 ETF Trust (SPY) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

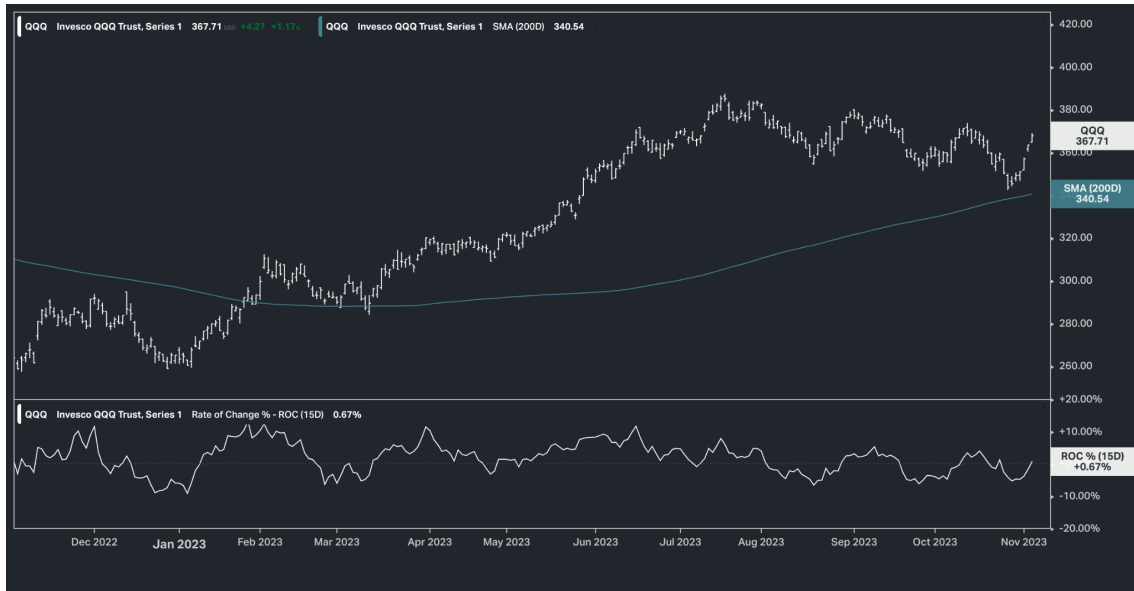
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	APO 90d	-6.61	53.92%	96/100
Technical	PLUS DI 180	18.22	50.35%	93/100
Technical	MACD 90d	-2.28	49.68%	92/100
Technical	MACD signal extended	-2.54	48.64%	89/100
Technical	Phasor inphase	-9.33%	47.78%	87/100
Technical	Phasor quadrature	8.23%	47.04%	85/100
Technical	MACD hist	1.47	46.73%	83/100
Technical	MINUS DI 300d	24.83	46.59%	82/100
Technical	MFI 90d	46.05	46.09%	80/100



QQQ | Invesco QQQ Trust
Fundamental 9 | Technical 2 | Sentiment 9 | Low Risk 7

AI Score 3 | Sell

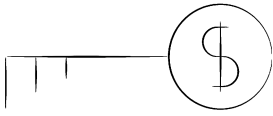
#886 of 2156 in ETFs, #134 of 334 in Large Cap



Invesco QQQ Trust (QQQ) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.76%) is **-6.14%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Invesco QQQ Trust (QQQ) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

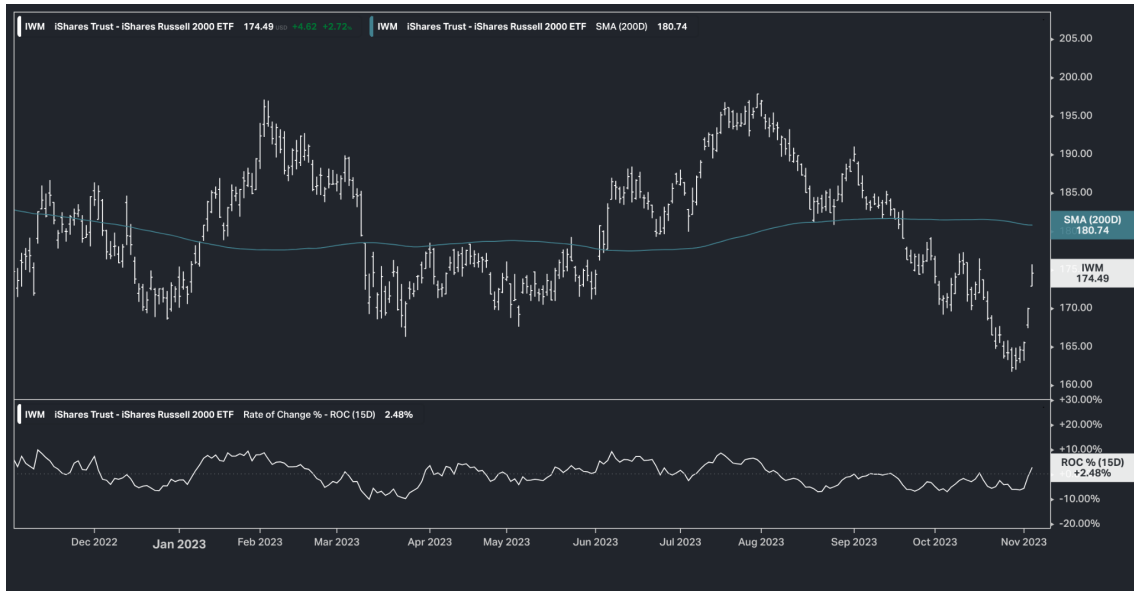
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MACD 90d	-1.69	49.68%	92/100
Technical	APO 90d	-4.13	49.20%	91/100
Technical	MACD signal extended	-1.81	48.64%	89/100
Technical	Phasor inphase	-10.62%	47.78%	87/100
Technical	Phasor quadrature	11.62%	47.04%	85/100
Technical	MACD hist	1.15	46.73%	83/100
Technical	MINUS DI 300d	24.19	46.59%	82/100
Sentiment	Asset Class Style	Growth	46.58%	82/100



IWM | iShares Russell 2000 ETF
Fundamental 4 | Technical 7 | Sentiment 5 | Low Risk 9

AI Score 9 | Buy

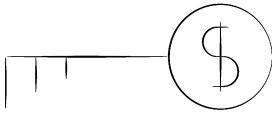
#263 of 2156 in ETFs, #29 of 117 in Small Cap



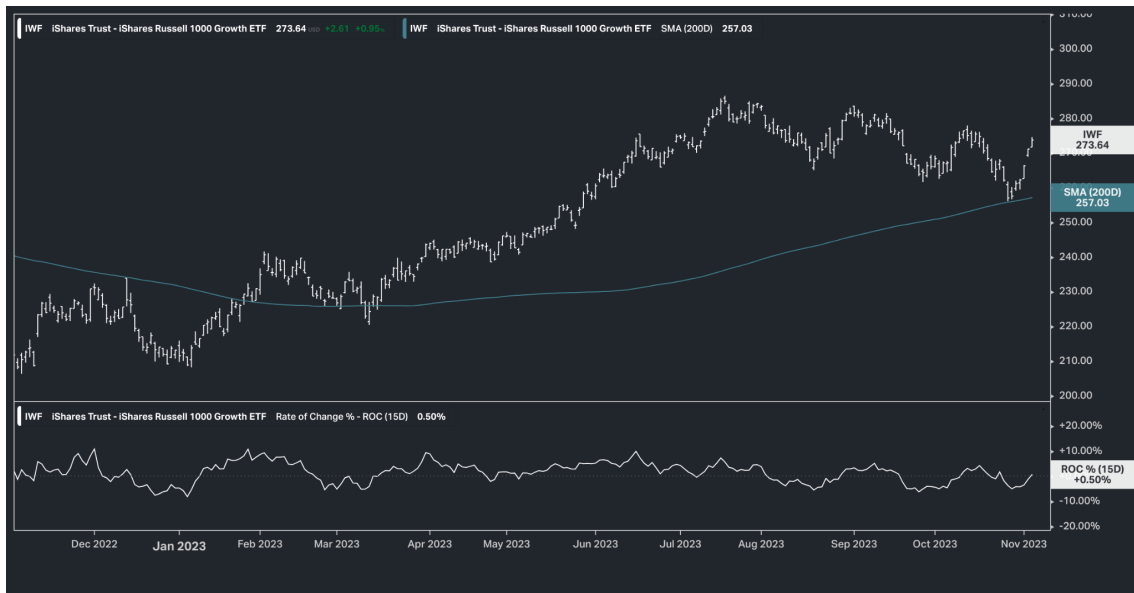
iShares Russell 2000 ETF (IWM) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (46.09%) is **+8.19%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of iShares Russell 2000 ETF (IWM) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	APO 90d	-7.41	53.92%	96/100
Technical	MOM 180d	-16.68	52.13%	96/100
Technical	MACD 90d	-2.27	49.68%	92/100
Technical	TRIX 18d	-0.26	49.48%	91/100
Technical	MOM 90d	-8.9	49.43%	91/100
Technical	MACD signal extended	-3.35	48.64%	89/100
Technical	MFI 180d	46.46	48.32%	89/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-21.69%	48.10%	88/100
Technical	MFI 90d	44.77	47.46%	86/100



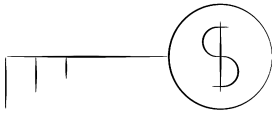
IWF | iShares Russell 1000 Growth ETF
Fundamental 8 | Technical 3 | Sentiment 10 | Low Risk 8
AI Score 4 | Hold
 #662 of 2156 in ETFs, #58 of 334 in Large Cap



iShares Russell 1000 Growth ETF (IWF) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (33.14%) is **-4.76%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

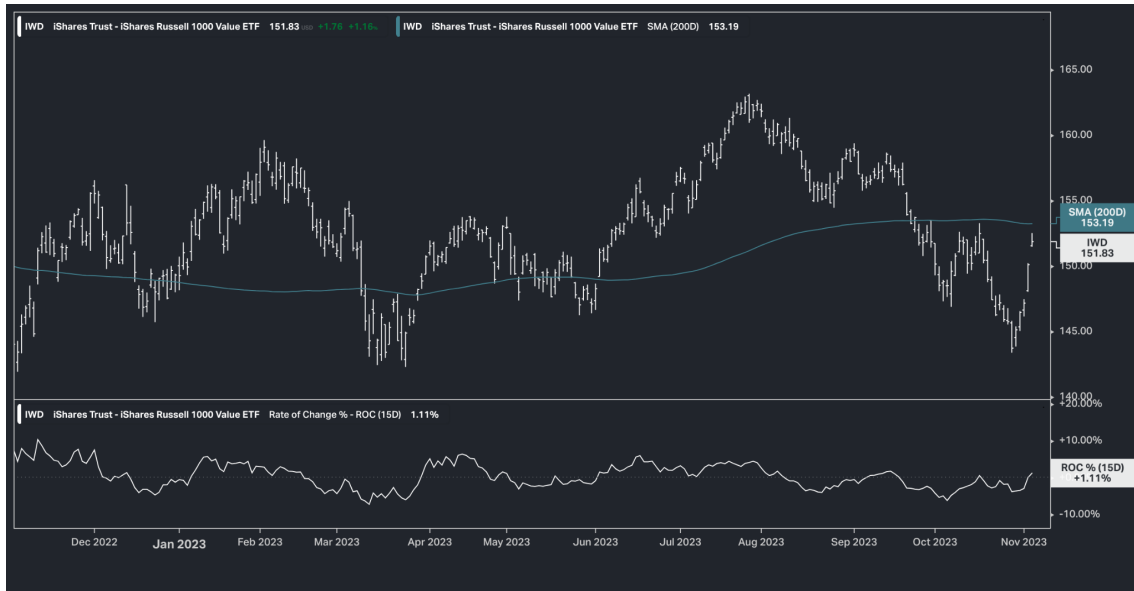
The AI-powered overall analysis of iShares Russell 1000 Growth ETF (IWF) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Growth	52.50%	96/100
Sentiment	Strategy	Growth	51.04%	94/100
Technical	APO 90d	-2.83	49.20%	91/100
Technical	Phasor inphase	-7.83%	47.78%	87/100
Technical	Phasor quadrature	7.80%	47.04%	85/100
Technical	MACD 90d	-1.16	46.64%	83/100
Technical	MINUS DI 300d	24.38	46.59%	82/100
Sentiment	Asset Class Style	Growth	46.58%	82/100
Technical	ATR 180d	4.44	46.40%	82/100



IWD | iShares Russell 1000 Value ETF
Fundamental 4 | Technical 3 | Sentiment 5 | Low Risk 10
AI Score 3 | Sell

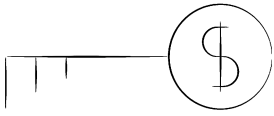
#881 of 2156 in ETFs, #132 of 334 in Large Cap



iShares Russell 1000 Value ETF (IWD) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.78%) is **-6.12%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

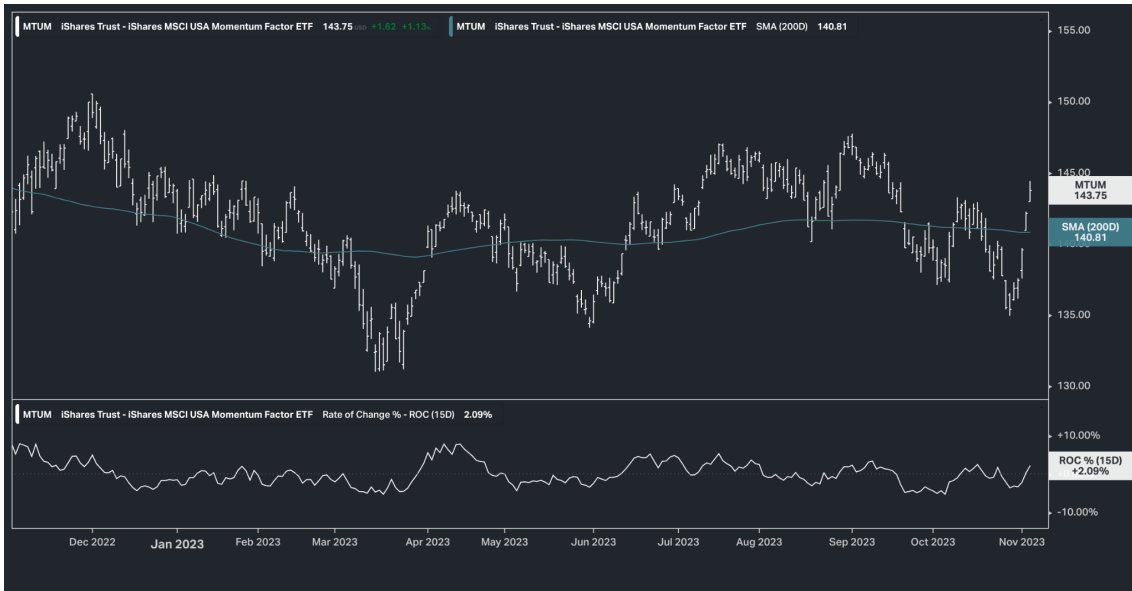
The AI-powered overall analysis of iShares Russell 1000 Value ETF (IWD) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	PLUS DI 180	18.14	50.35%	93/100
Technical	Chart pattern 90d	n/a	26.20%	92/100
Technical	APO 90d	-3.36	49.20%	91/100
Technical	MFI 90d	43.03	47.46%	86/100
Technical	TRIX 30d	-0.1	46.82%	84/100
Technical	MACD 90d	-1.13	46.64%	83/100
Technical	MINUS DI 300d	25.08	46.59%	82/100
Technical	TRIX 18d	-0.16	46.54%	82/100
Technical	Phasor inphase	-2.31%	46.11%	80/100



MTUM | iShares MSCI USA Momentum Factor ETF
Fundamental 5 | Technical 3 | Sentiment 7 | Low Risk 9
AI Score 2 | Sell

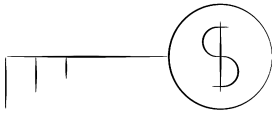
#1870 of 2156 in ETFs, #337 of 480 in Total Market



iShares MSCI USA Momentum Factor ETF (MTUM) has an AI Score of 2/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (29.64%) is **-8.26%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of iShares MSCI USA Momentum Factor ETF (MTUM) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

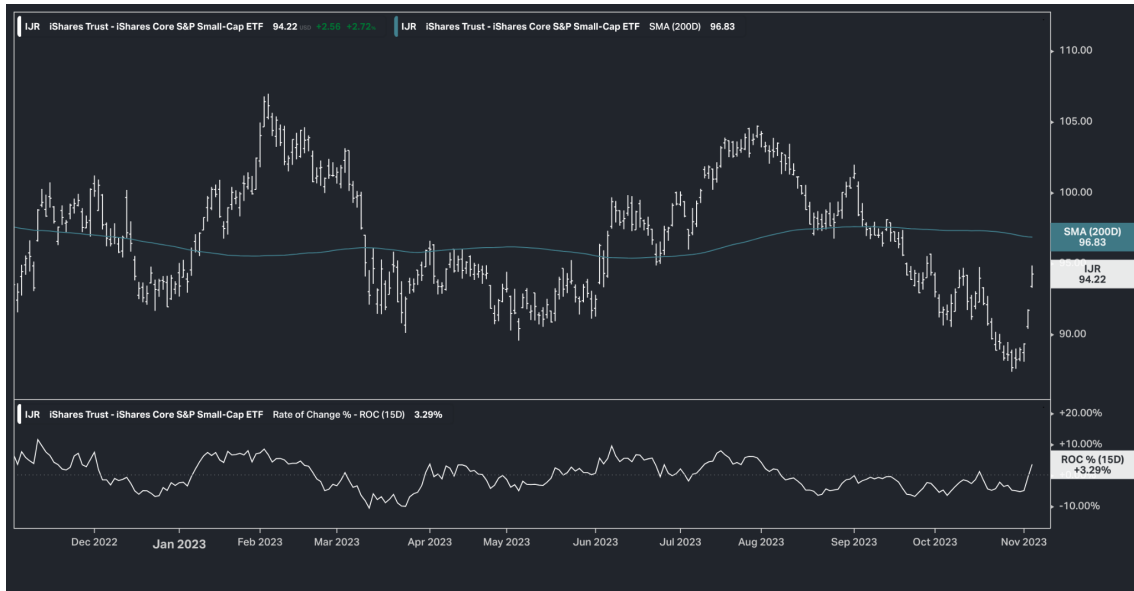
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 90d	n/a	19.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	Chart pattern 120d	n/a	24.53%	95/100
Technical	APO 90d	-1.5	47.29%	86/100
Technical	PLUS DI 180	16.01	47.24%	85/100
Sentiment	Asset Class Style	Growth	46.58%	82/100
Technical	Phasor inphase	-3.43%	46.11%	80/100
Fundamental	ETF Turnover ratio	111%	30.02%	78/100
Technical	RSI SLOPE 90d	-0.23	45.71%	77/100
Technical	SAR 90d (in dollars)	-0.06	45.57%	76/100



IJR | iShares Core S&P Small-Cap ETF
Fundamental 5 | Technical 9 | Sentiment 5 | Low Risk 9

AI Score 9 | Buy

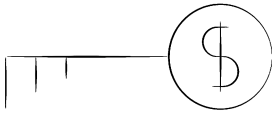
#234 of 2156 in ETFs, #26 of 117 in Small Cap



iShares Core S&P Small-Cap ETF (IJR) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (46.85%) is +8.95% vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

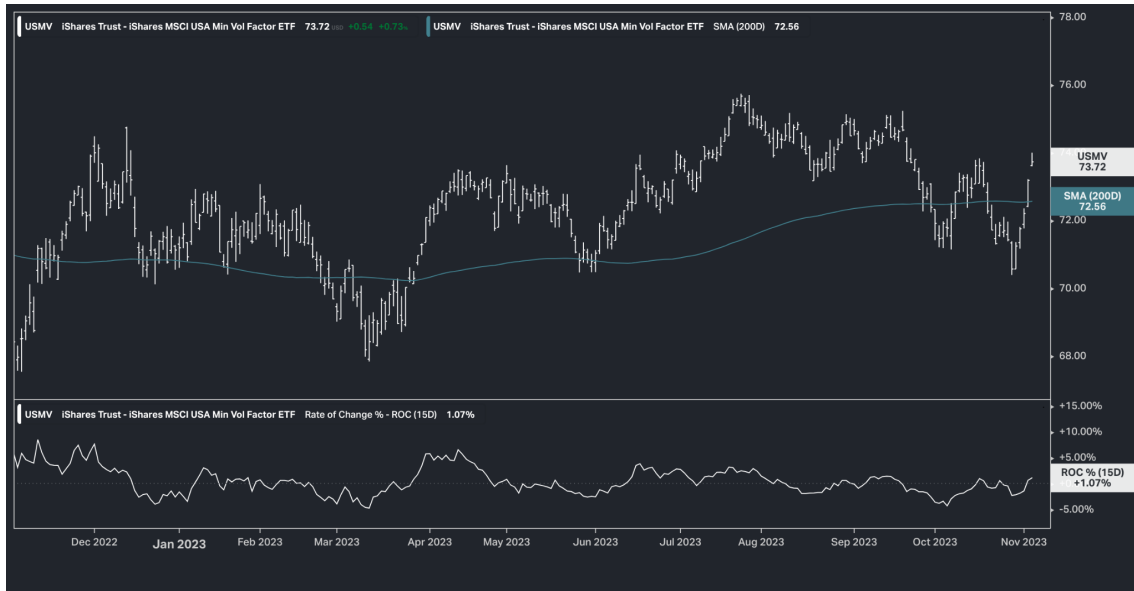
The AI-powered overall analysis of iShares Core S&P Small-Cap ETF (IJR) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	APO 90d	-3.73	49.20%	91/100
Technical	MFI 180d	46.96	48.32%	89/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-21.24%	48.10%	88/100
Technical	PLUS DI 180	20.99	47.29%	85/100
Technical	Upside based on 90-day Price Forecast	-19.63%	46.97%	84/100
Technical	Upside based on 60-day Price Forecast	-14.74%	46.95%	84/100
Technical	TRIX 30d	-0.16	46.82%	84/100
Technical	Upside based on 90-day Price Forecast (lower bound)	-30.71%	46.73%	83/100
Technical	MACD 90d	—0.94	46.64%	83/100



USMV | iShares MSCI USA Min Vol Factor ETF
Fundamental 5 | Technical 2 | Sentiment 5 | Low Risk 10
AI Score 5 | Hold

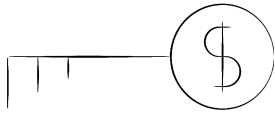
#500 of 2156 in ETFs, #67 of 480 in Total Market



iShares MSCI USA Min Vol Factor ETF (USMV) has an AI Score of 5/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (37.95%) is **+0.05%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

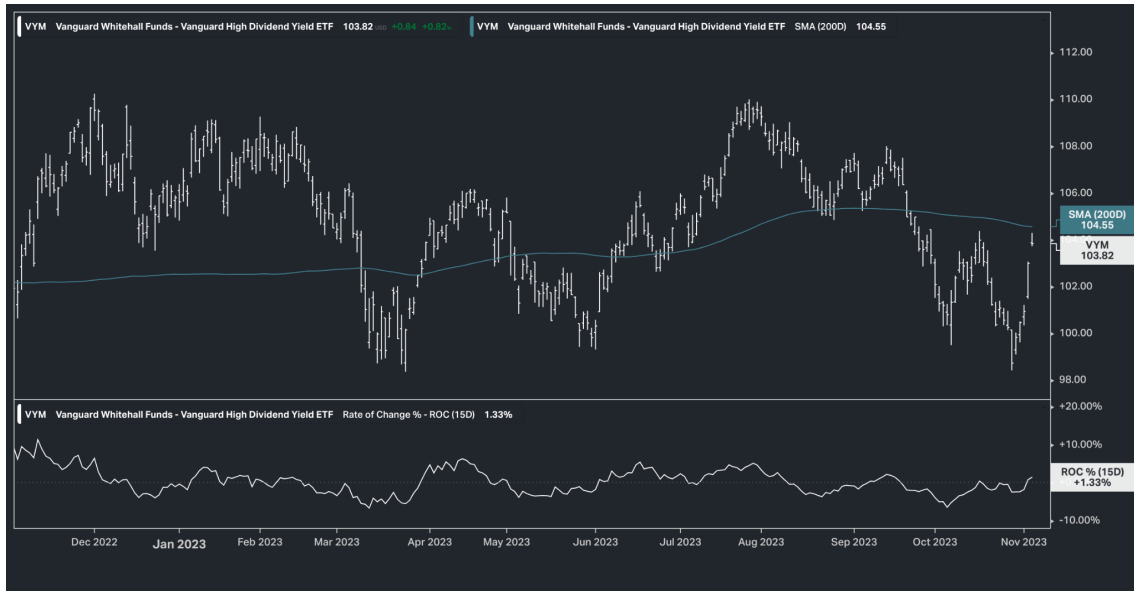
The AI-powered overall analysis of iShares MSCI USA Min Vol Factor ETF (USMV) is based on the 26 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 90d	n/a	19.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	Chart pattern 120d	n/a	24.53%	95/100
Technical	PLUS DI 180	13.67	47.24%	85/100
Technical	MINUS DI 300d	23.17	45.52%	76/100
Technical	DC Phase	2583.65%	45.36%	74/100
Technical	Ultimate Oscillator	57.04	45.28%	74/100
Technical	TRIX 30d	-0.04	45.16%	73/100
Technical	DC Period	1896.24%	44.97%	72/100
Technical	MFI 14d	44.15	44.79%	71/100



VYM | Vanguard High Dividend Yield Index Fund
Fundamental 4 | Technical 3 | Sentiment 5 | Low Risk 10
AI Score 2 | Sell

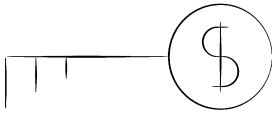
#1876 of 2156 in ETFs, #28 of 39 in High Dividend Yield



Vanguard High Dividend Yield Index Fund (VYM) has an AI Score of 2/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (29.62%) is **-8.28%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

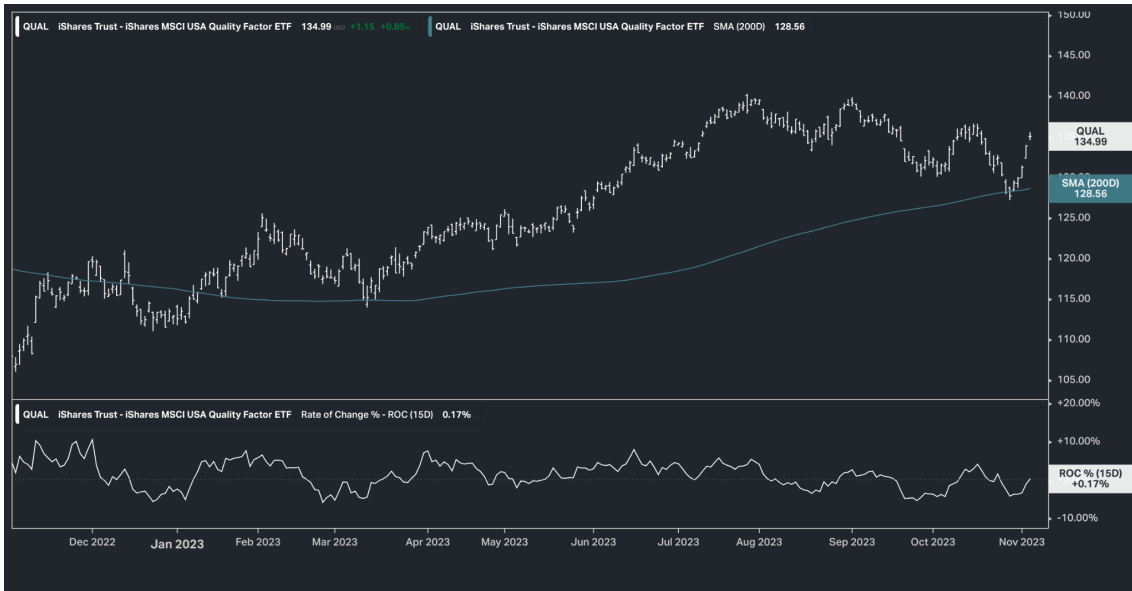
The AI-powered overall analysis of Vanguard High Dividend Yield Index Fund (VYM) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	Chart pattern 90d	n/a	26.20%	92/100
Technical	Chart pattern 180d	n/a	28.18%	87/100
Technical	APO 90d	-1.74	47.29%	86/100
Technical	PLUS DI 180	14.14	47.24%	85/100
Technical	MINUS DI 300d	25.9	46.59%	82/100
Technical	ATR 180d	2.1	45.67%	77/100
Technical	RSI 100	49.48	45.48%	76/100
Technical	MFI 90d	51.08	45.45%	75/100
Technical	ADX 180d	5.75	45.42%	75/100



QUAL | iShares MSCI USA Quality Factor ETF
Fundamental 6 | Technical 3 | Sentiment 9 | Low Risk 9
AI Score 2 | Sell

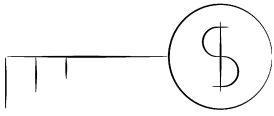
#1749 of 2156 in ETFs, #340 of 480 in Total Market



iShares MSCI USA Quality Factor ETF (QUAL) has an AI Score of 2/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (29.89%) is **-8.01%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of iShares MSCI USA Quality Factor ETF (QUAL) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 90d	n/a	19.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	PLUS DI 180	20.29	50.35%	93/100
Technical	APO 90d	-1.36	47.29%	86/100
Technical	MINUS DI 300d	24.48	46.59%	82/100
Sentiment	Asset Class Style	Growth	46.58%	82/100
Technical	Aroon Oscillator Momentum	-64.29	46.32%	81/100
Technical	Phasor inphase	-3.78%	46.11%	80/100
Technical	ATR 180d	2.32	45.67%	77/100
Technical	ADXR 50d	16.59	45.59%	76/100



PSP | Invesco Global Listed Private Equity ETF
Fundamental 5 | Technical 3 | Sentiment 5 | Low Risk 7
AI Score 3 | Sell

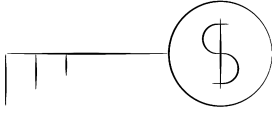
#1073 of 2156 in ETFs, #23 of 42 in Financials



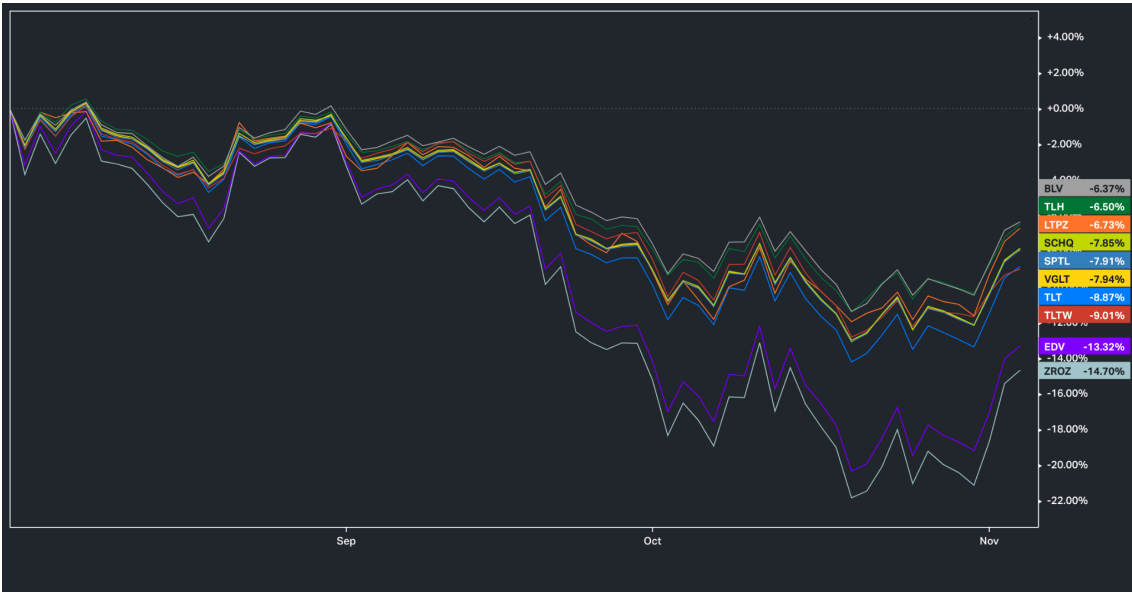
Invesco Global Listed Private Equity ETF (PSP) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.19%) is **-6.71%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

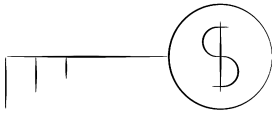
The AI-powered overall analysis of Invesco Global Listed Private Equity ETF (PSP) is based on the 19 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	ATR 180d	27.06	50.37%	93/100
Technical	APO 90d	-1.16	47.29%	86/100
Technical	Chart pattern 15d	n/a	46.88%	84/100
Technical	ADX 90d	20	46.86%	84/100
Technical	TRIX 30d	-0.12	46.82%	84/100
Technical	MINUS DI 300d	23.91	46.59%	82/100
Technical	TRIX 18d	-0.22	46.54%	82/100
Technical	Upside based on 30-day Price Forecast	-8.29%	46.27%	81/100
Technical	MFI 90d	38.06	46.18%	80/100



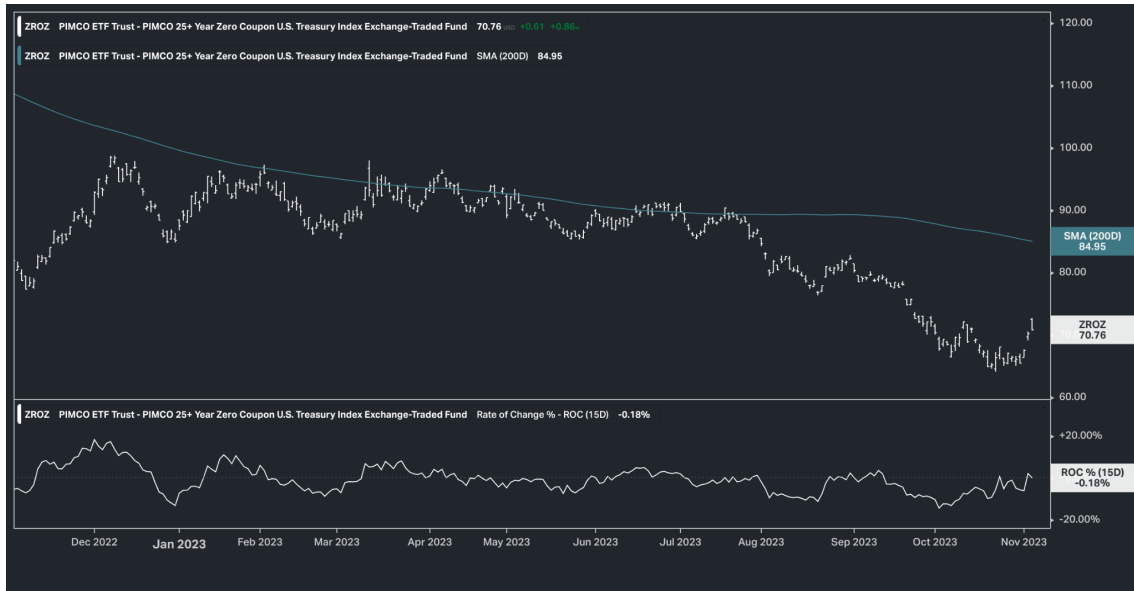
Bonds | Performance Charts (1Yr, 3M)





ZROZ | PIMCO 25+ Year Zero Coupon U.S. Treasury Index ETF
Fundamental 4 | Technical 10 | Sentiment 2 | Low Risk 8
AI Score 10 | Strong Buy

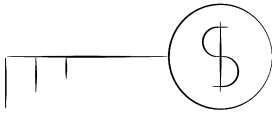
#38 of 2156 in ETFs, #1 of 237 in Investment Grade



PIMCO 25+ Year Zero Coupon U.S. Treasury Index ETF (ZROZ) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (52.97%) is **+15.07%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

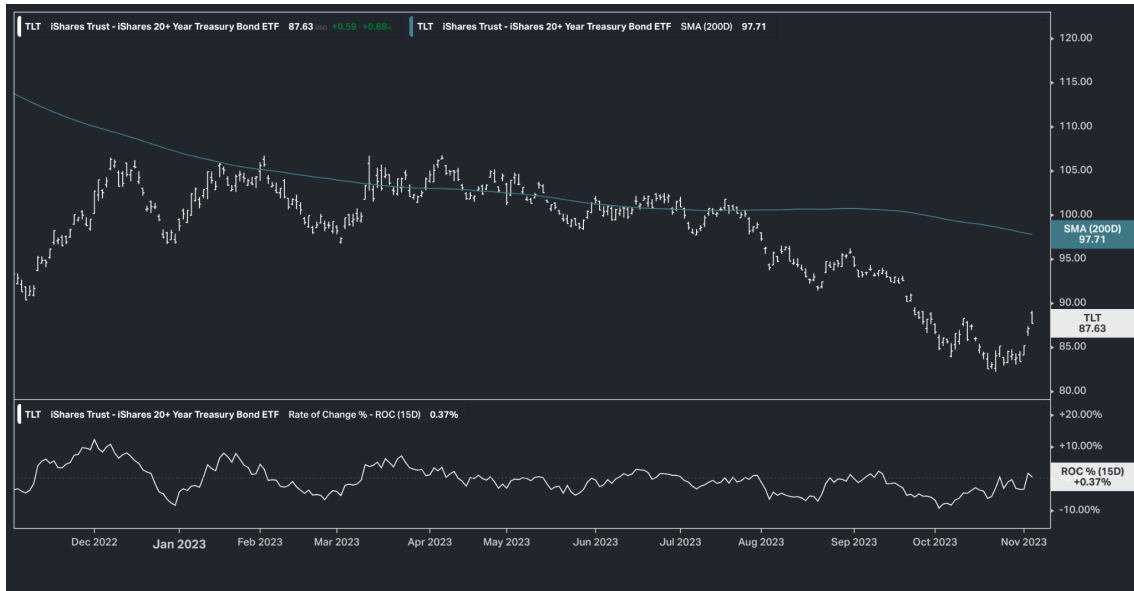
The AI-powered overall analysis of PIMCO 25+ Year Zero Coupon U.S. Treasury Index ETF (ZROZ) is based on the 33 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 60d	n/a	57.86%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	APO 90d	-6.11	53.92%	96/100
Sentiment	Niche	Long-Term	22.74%	96/100
Technical	MOM 180d	-16.94	52.13%	96/100
Sentiment	Brand	PIMCO	24.18%	95/100
Sentiment	Issuer	Allianz Investment Management LLC	24.18%	95/100
Technical	KAMA 200d	12.75%	50.97%	94/100
Fundamental	Propectus Objctive	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100



TLT | iShares 20+ Year Treasury Bond ETF
Fundamental 4 | Technical 10 | Sentiment 2 | Low Risk 10
AI Score 10 | Strong Buy

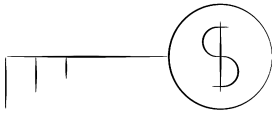
#58 of 2156 in ETFs, #3 of 237 in Investment Grade



iShares 20+ Year Treasury Bond ETF (TLT) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (51.81%) is **+13.91%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

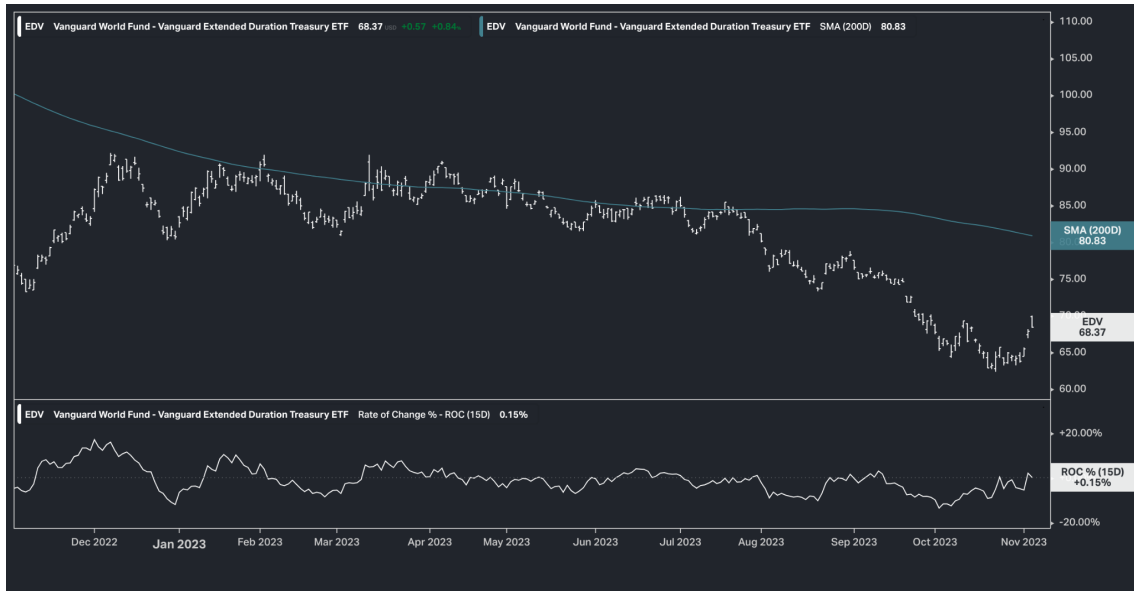
The AI-powered overall analysis of iShares 20+ Year Treasury Bond ETF (TLT) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Technical	MOM 180d	-11.41	52.13%	96/100
Fundamental	Propectus Objective	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	APO 180d	-4.58	50.19%	93/100
Technical	TRIX 30d	-0.23	49.72%	92/100
Technical	TRIX 18d	-0.25	49.48%	91/100



EDV | Vanguard Extended Duration Treasury Index Fund
Fundamental 4 | Technical 10 | Sentiment 4 | Low Risk 9
AI Score 10 | Strong Buy

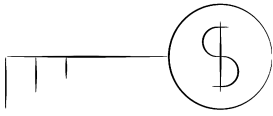
#94 of 2156 in ETFs, #4 of 237 in Investment Grade



Vanguard Extended Duration Treasury Index Fund (EDV) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (50.53%) is **+12.63%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Vanguard Extended Duration Treasury Index Fund (EDV) is based on the 31 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

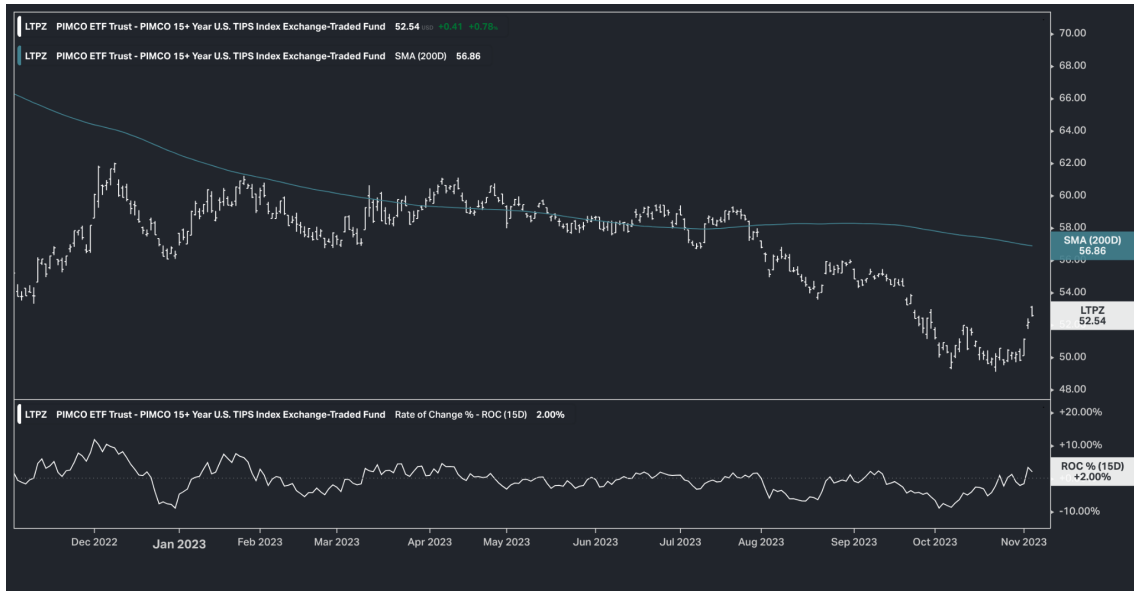
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 60d	n/a	57.86%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Technical	MOM 180d	-14.81	52.13%	96/100
Fundamental	Propectus Objective	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	APO 180d	-5.48	50.19%	93/100
Technical	MIDPRICE 180d	14.52%	50.17%	93/100



LTPZ | PIMCO 15+ Year U.S. TIPS Index ETF
Fundamental 4 | Technical 10 | Sentiment 3 | Low Risk 10

AI Score 10 | Strong Buy

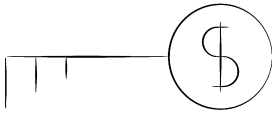
#126 of 2156 in ETFs, #5 of 237 in Investment Grade



PIMCO 15+ Year U.S. TIPS Index ETF (LTPZ) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (49.45%) is **+11.55%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of PIMCO 15+ Year U.S. TIPS Index ETF (LTPZ) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

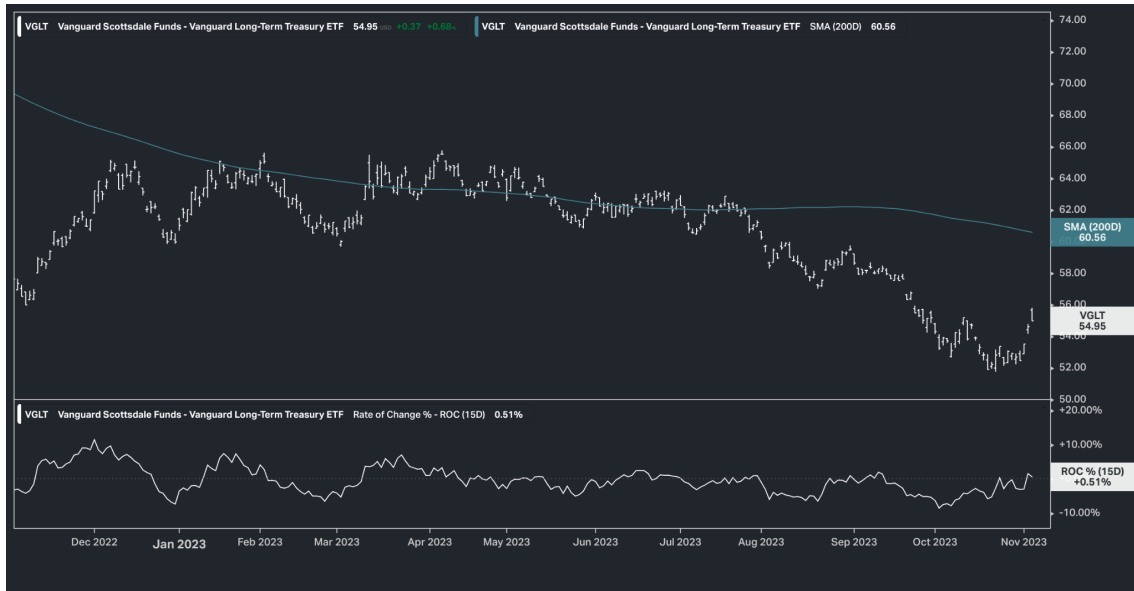
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Sentiment	Issuer	Allianz Investment Management LLC	24.18%	95/100
Sentiment	Brand	PIMCO	24.18%	95/100
Fundamental	Propectus Objctive	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	TRIX 30d	-0.2	49.72%	92/100
Technical	MFI 180d	43.8	49.17%	91/100



VGLT | Vanguard Long-Term Treasury Index Fund
Fundamental 4 | Technical 10 | Sentiment 3 | Low Risk 10

AI Score 10 | Strong Buy

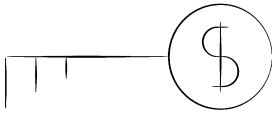
#130 of 2156 in ETFs, #6 of 237 in Investment Grade



Vanguard Long-Term Treasury Index Fund (VGLT) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (49.35%) is **+11.45%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Vanguard Long-Term Treasury Index Fund (VGLT) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

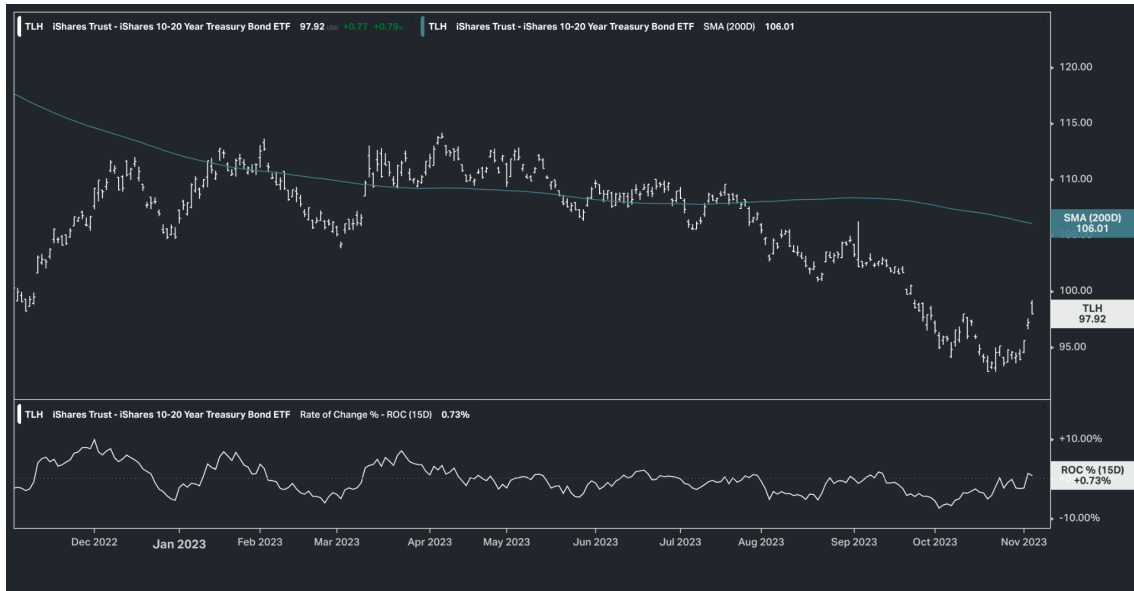
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Fundamental	Propectus Objective	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	TRIX 30d	-0.21	49.72%	92/100
Technical	MFI 180d	44.73	49.17%	91/100
Technical	KAMA 200d	6.72%	49.15%	91/100
Technical	MOM 90d	-8.06	47.96%	88/100



TLH | iShares 10-20 Year Treasury Bond ETF
Fundamental 4 | Technical 10 | Sentiment 2 | Low Risk 10

AI Score 10 | Strong Buy

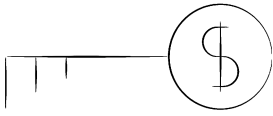
#168 of 2156 in ETFs, #9 of 237 in Investment Grade



iShares 10-20 Year Treasury Bond ETF (TLH) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (48.38%) is **+10.48%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of iShares 10-20 Year Treasury Bond ETF (TLH) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

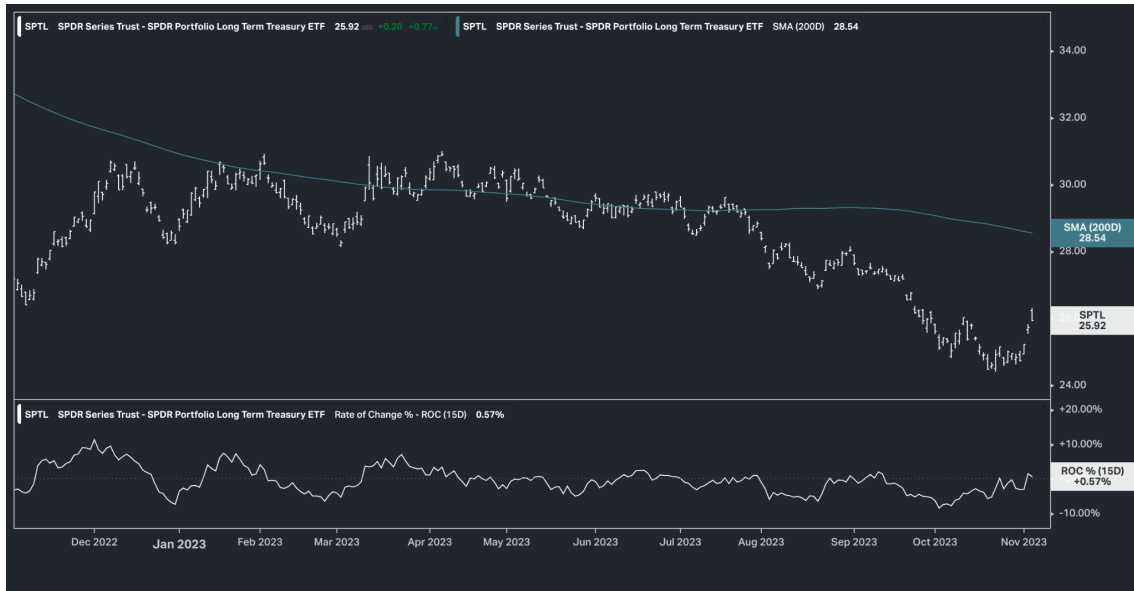
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 180d	n/a	74.61%	99/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Fundamental	Propectus Objective	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	APO 180d	-3.89	50.19%	93/100
Technical	MOM 90d	-11.68	49.43%	91/100
Technical	APO 90d	-3.8	49.20%	91/100



SPTL | SPDR Portfolio Long Term Treasury ETF
Fundamental 4 | Technical 9 | Sentiment 3 | Low Risk 10

AI Score 9 | Buy

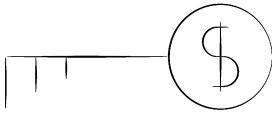
#209 of 2156 in ETFs, #12 of 237 in Investment Grade



SPDR Portfolio Long Term Treasury ETF (SPTL) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (47.44%) is **+9.54%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of SPDR Portfolio Long Term Treasury ETF (SPTL) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

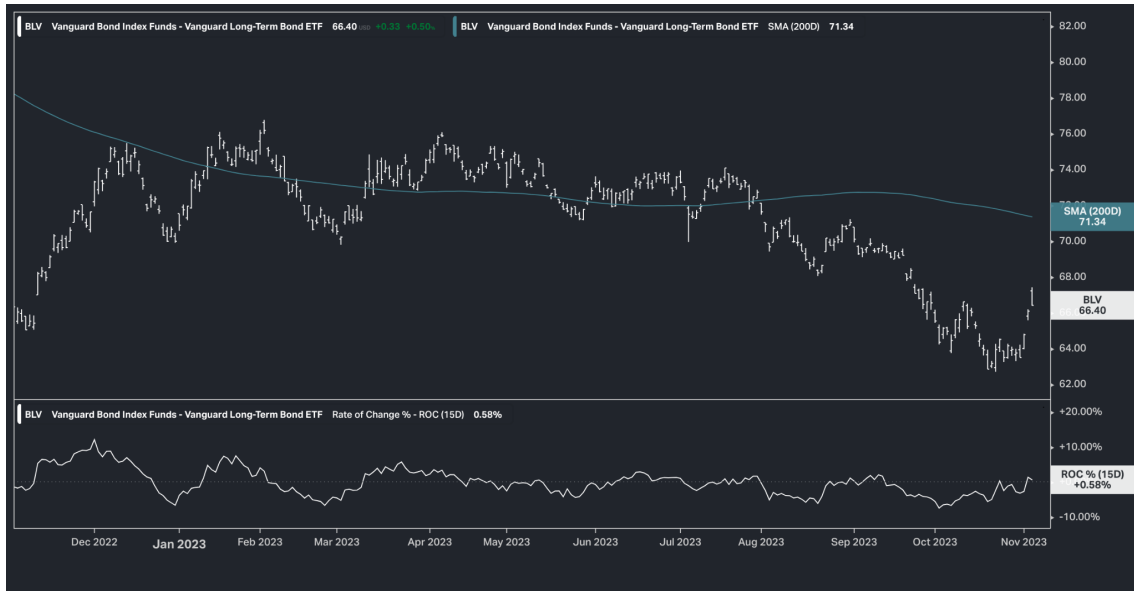
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Fundamental	Propectus Objective	Government Bond	25.28%	94/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	TRIX 30d	-0.21	49.72%	92/100
Technical	KAMA 200d	6.69%	49.15%	91/100
Technical	MFI 180d	45.34	48.32%	89/100
Technical	MIFI 90d	44.07	47.46%	86/100



BLV | Vanguard Long-Term Bond Fund
Fundamental 4 | Technical 10 | Sentiment 3 | Low Risk 10

AI Score 9 | Buy

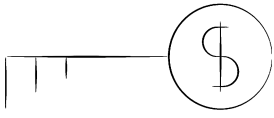
#280 of 2156 in ETFs, #14 of 237 in Investment Grade



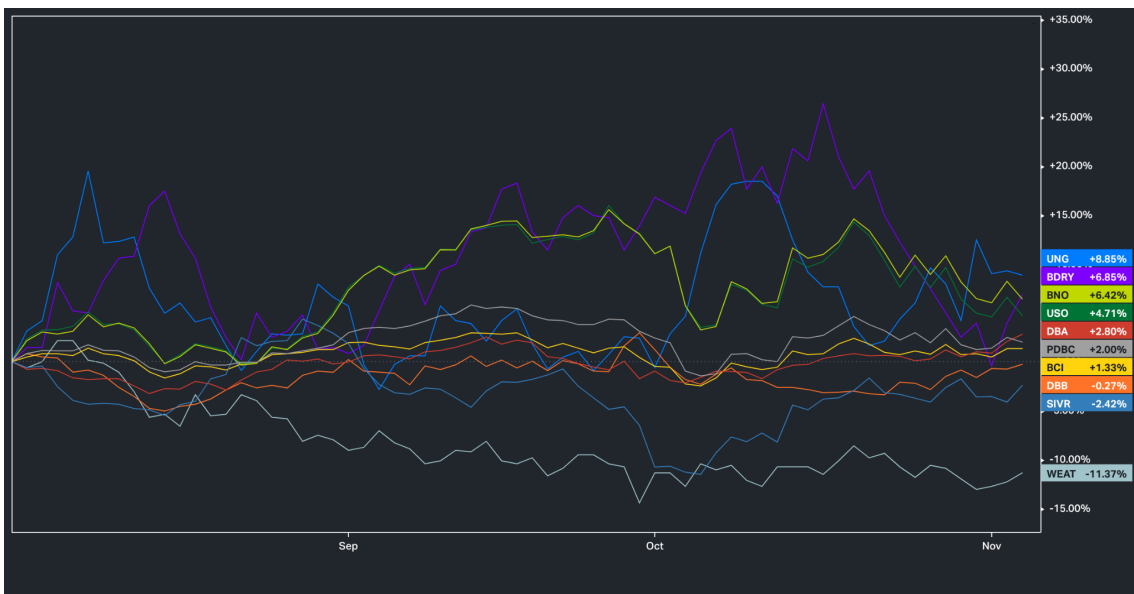
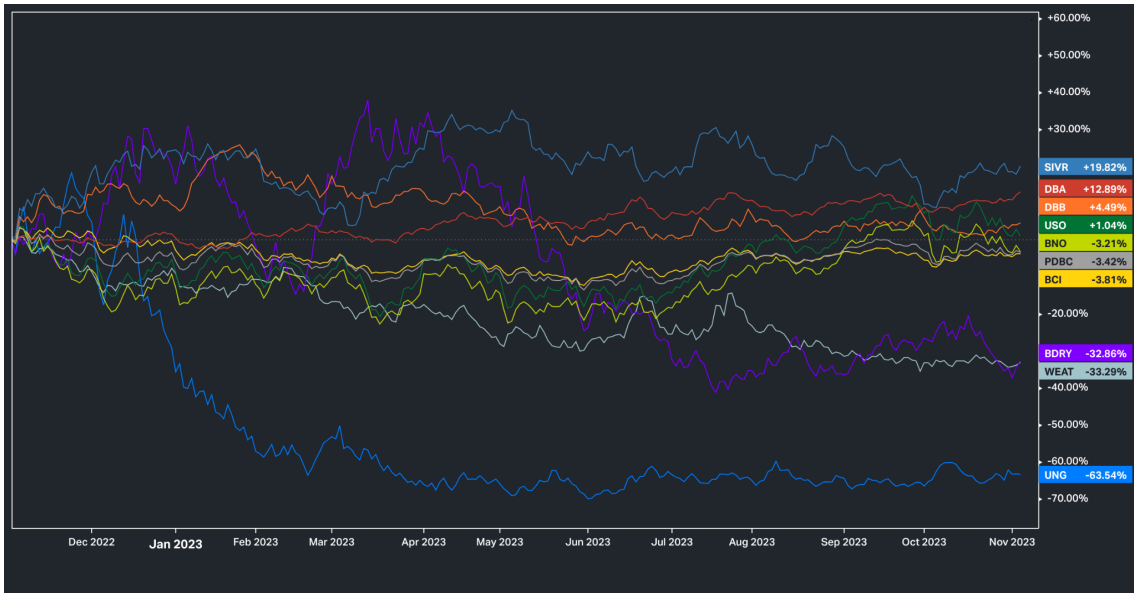
Vanguard Long-Term Bond Fund (BLV) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (45.82%) is **+7.92%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

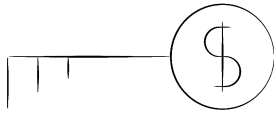
The AI-powered overall analysis of Vanguard Long-Term Bond Fund (BLV) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 120d	n/a	60.15%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Niche	Long-Term	22.74%	96/100
Sentiment	Weighting Scheme	Market Value	25.36%	93/100
Sentiment	Focus	Investment Grade	25.44%	93/100
Fundamental	Propectus Objective	Income	25.48%	93/100
Sentiment	Asset Class	Bond	25.54%	93/100
Technical	MOM 90d	-7.32	47.96%	88/100
Technical	APO 90d	-2.45	47.29%	86/100
Technical	RSI 100	46.09	47.25%	85/100



Commodity | Performance Charts (1Yr, 3M)





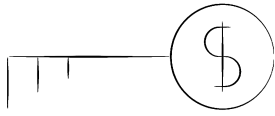
WEAT | Teucrium Wheat Fund
Fundamental 5 | Technical 10 | Sentiment 6 [Low Risk 4
AI Score 10 | Strong Buy
 #21 of 2156 in ETFs, #1 of 1 in Wheat



Teucrium Wheat Fund (WEAT) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (54.92%) is **+17.02%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Teucrium Wheat Fund (WEAT) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

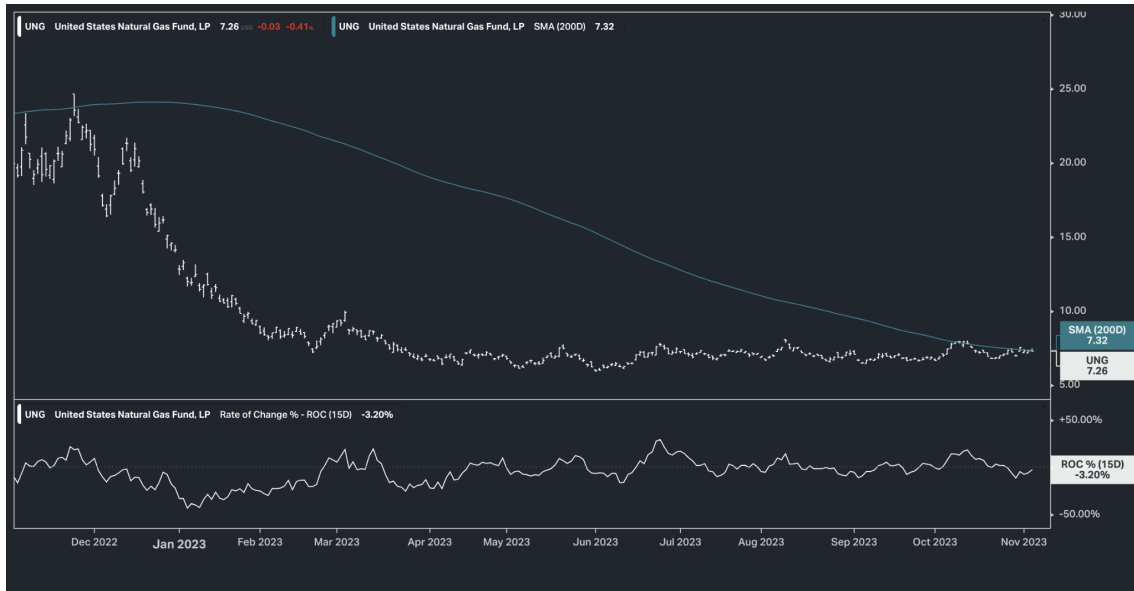
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 180d	n/a	71.73%	99/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	26.2	53.29%	96/100
Technical	MIDPRICE 180d	16.07%	50.17%	93/100
Technical	TRIX 90d	-0.14	49.80%	92/100
Technical	MFI 180d	44.56	49.17%	91/100
Technical	KAMA 200d	8.16%	49.15%	91/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-21.53%	48.10%	88/100
Technical	WILLR 90d	-88.17	47.72%	87/100
Technical	RSI 100	45.79	47.25%	85/100



UNG | United States Natural Gas Fund, LP
Fundamental 5 | Technical 8 | Sentiment 5 | Low Risk 1

AI Score 9 | Buy

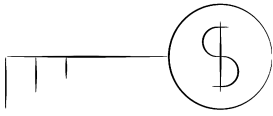
#214 of 2156 in ETFs, #2 of 4 in Natural Gas



United States Natural Gas Fund, LP (UNG) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (47.31%) is **+9.41%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of United States Natural Gas Fund, LP (UNG) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

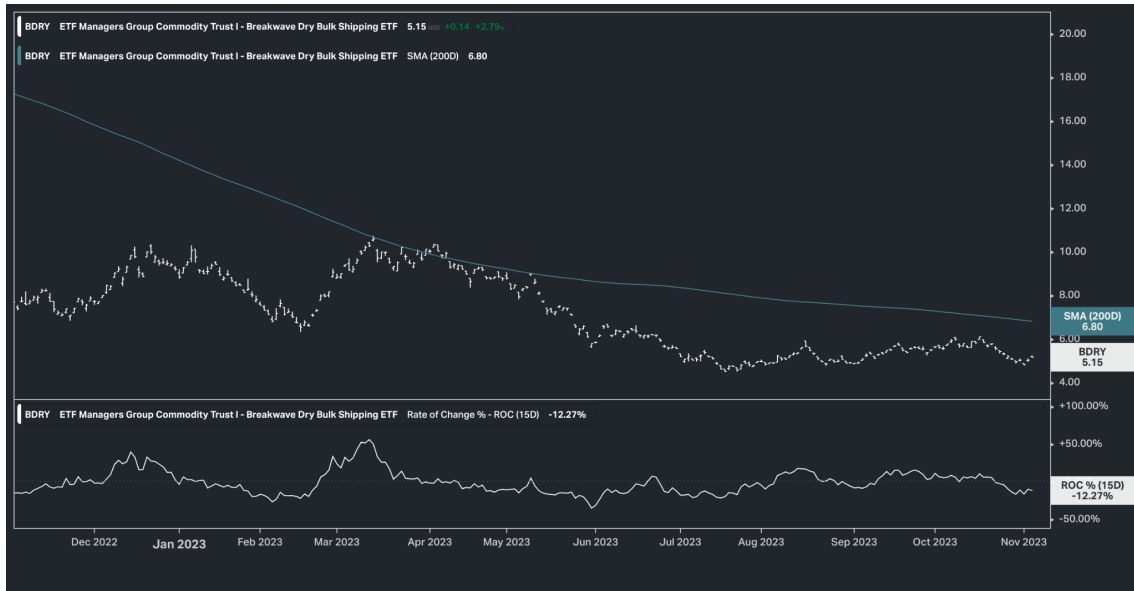
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 120d	n/a	15.25%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	28.57	53.29%	96/100
Technical	Chart pattern 15d	n/a	49.53%	92/100
Technical	Upside based on 30-day Price Forecast (lower bound)	-22.29%	48.17%	88/100
Technical	MIDPRICE 180d	9.23%	47.36%	86/100
Technical	Chart pattern 90d	n/a	28.47%	86/100
Technical	RSI 100	46.75	47.25%	85/100
Technical	Upside based on 90-day Price Forecast (lower bound)	-33.83%	46.73%	83/100
Technical	MINUS DI 300d	24.92	46.59%	82/100



BDRY | Breakwave Dry Bulk Shipping ETF
Fundamental 5 | Technical 6 | Sentiment 6 | Low Risk 2

AI Score 8 | Buy

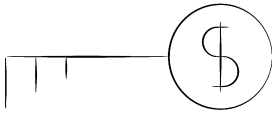
#396 of 2156 in ETFs, #2 of 26 in Broad Market



Breakwave Dry Bulk Shipping ETF (BDRY) has an AI Score of 8/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (42.05%) is **+4.15%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Breakwave Dry Bulk Shipping ETF (BDRY) is based on the 20 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	36.69	53.29%	96/100
Technical	KAMA 200d	21.33%	50.97%	94/100
Technical	MINUS DI 300d	37.43	49.04%	90/100
Technical	Upside based on 15-day Price Forecast (lower bound)	-16.10%	48.00%	88/100
Technical	RSI 100	45.58	47.25%	85/100
Technical	Distance from Fibonacci 100% resistance	-15.44%	47.03%	85/100
Sentiment	Niche	Laddered	28.84%	84/100
Sentiment	Strategy	Laddered	28.84%	84/100
Technical	Chart pattern 120d	n/a	29.09%	83/100



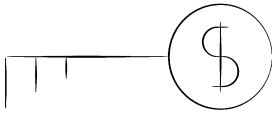
DBB | Invesco DB Base Metals Fund
Fundamental 4 | Technical 4 | Sentiment 6 | Low Risk 9
AI Score 4 | Hold
 #552 of 2156 in ETFs, #4 of 26 in Broad Market



Invesco DB Base Metals Fund (DBB) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (35.67%) is **-2.23%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

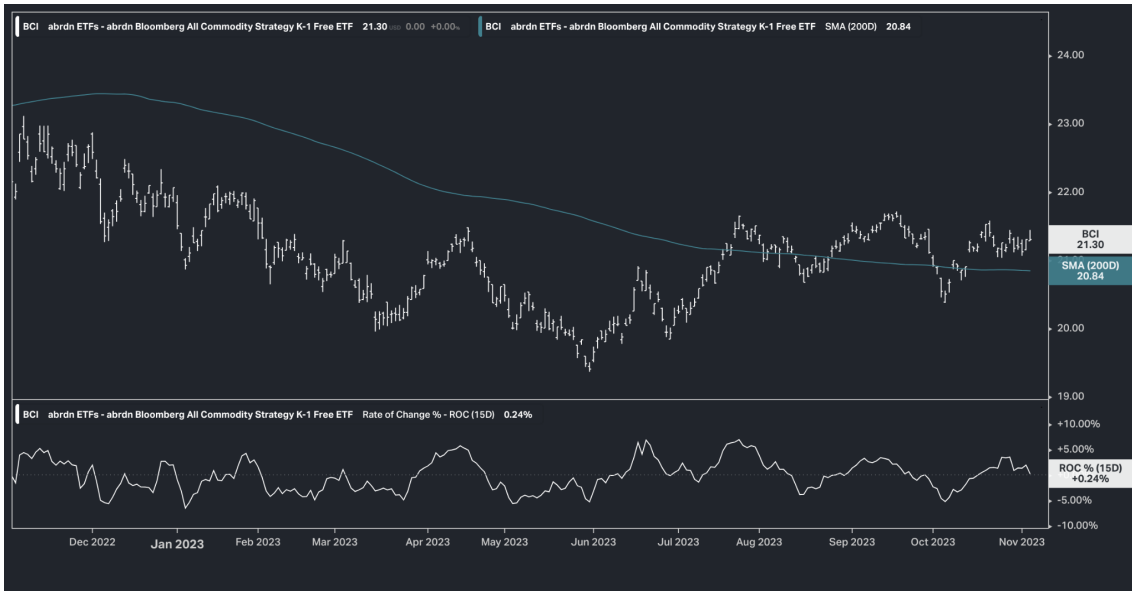
The AI-powered overall analysis of Invesco DB Base Metals Fund (DBB) is based on the 25 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 90d	n/a	17.81%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	31.87	53.29%	96/100
Technical	Chart pattern 120d	n/a	24.80%	94/100
Technical	MIFI 180d	43.97	49.17%	91/100
Technical	MINUS DI 300d	29.59	47.93%	88/100
Technical	MIFI 90d	43.55	47.46%	86/100
Fundamental	Propectus Objective	Specialty — pre	47.01%	85/100
Technical	TRIX 90d	-0.05	46.94%	84/100
Technical	RSI SLOPE 90d	-0.02	46.78%	83/100



BCI | Abrdn Bloomberg Commodity Strategy K-1 Free ETF
Fundamental 4 | Technical 3 | Sentiment 5 | Low Risk 5
AI Score 4 | Hold

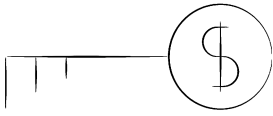
#600 of 2156 in ETFs, #6 of 26 Broad Market



abrdn Bloomberg All Commodity Strategy K-1 Free ETF (BCI) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (34.27%) is **-3.63%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of abrdn Bloomberg All Commodity Strategy K-1 Free ETF (BCI) is based on the 25 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

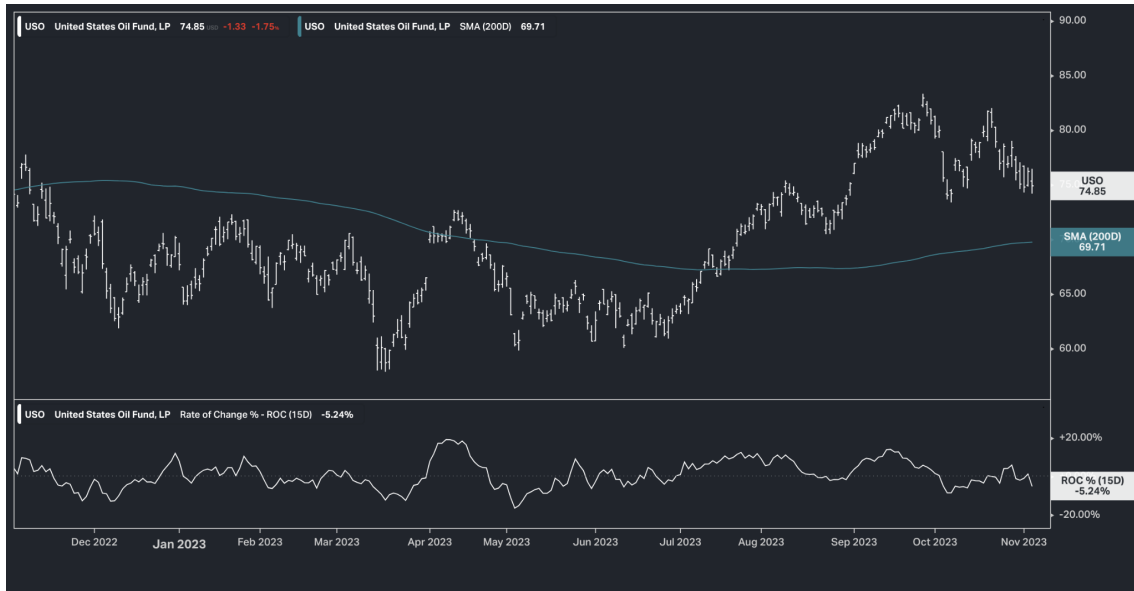
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 120d	n/a	11.29%	99/100
Technical	Chart pattern 180d	n/a	12.68%	99/100
Technical	Chart pattern 90d	n/a	18.02%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	26.16	53.29%	96/100
Technical	PLUS DI 180	19.93	50.35%	93/100
Technical	TRIX 90d	-0.05	46.94%	84/100
Fundamental	ETF Dividend Yield	20.68%	29.06%	83/100
Technical	RSI SLOPE 90d	-0.12	46.24%	81/100
Technical	Ultimate Oscillator	48.82	45.87%	78/100



USO | United States Oil Fund, LP
Fundamental 6 | Technical 4 | Sentiment 5 | Low Risk 3

AI Score 3 | Sell

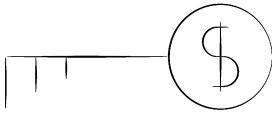
#701 of 2156 in ETFs, #2 of 8 in Crude Oil



United States Oil Fund, LP (USO) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (32.76%) is **-5.14%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

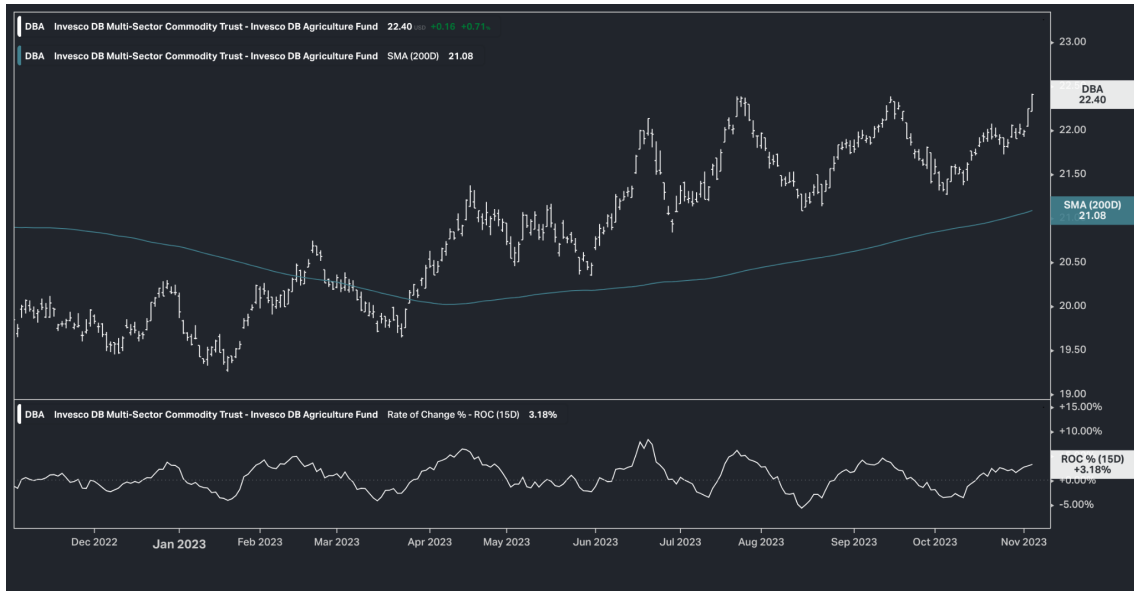
The AI-powered overall analysis of United States Oil Fund, LP (USO) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Strategy	Laddered	28.84%	84/100
Sentiment	Niche	Laddered	28.84%	84/100
Technical	MACD 90d	-0.67	46.64%	83/100
Technical	MINUS DI 300d	25.01	46.59%	82/100
Technical	RSI SLOPE 90d	-0.14	46.24%	81/100
Technical	Distance from Fibonacci 100% resistance	-8.36%	46.16%	80/100
Technical	MOM 300d	-5.85	46.05%	79/100
Technical	DEMA IOOD	4.61%	46.01%	79/100
Technical	RSI 18	44.33	46.00%	79/100



DBA | Invesco DB Agriculture Fund
Fundamental 5 | Technical 3 | Sentiment 6 | Low Risk 10
AI Score 3 | Sell

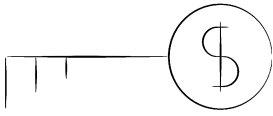
#764 of 2156 in ETFs, #10 of 26 in Broad Market



Invesco DB Agriculture Fund (DBA) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (32.27%) is **-5.63%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Invesco DB Agriculture Fund (DBA) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

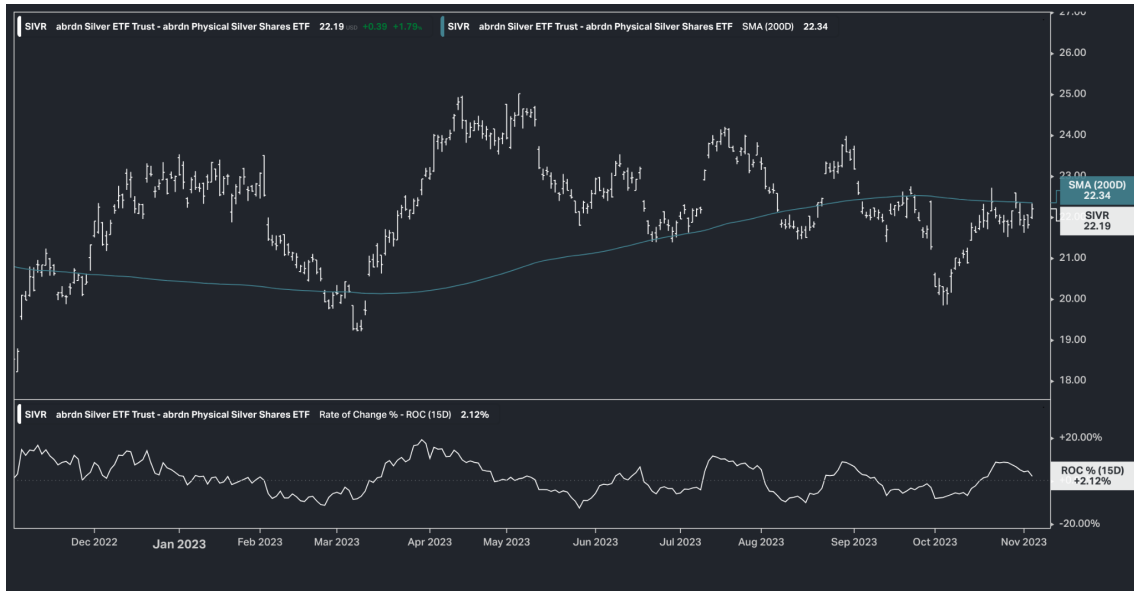
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 120d	n/a	18.81%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	Chart pattern 180d	n/a	24.35%	95/100
Technical	ADX 180d	5.79	45.42%	75/100
Technical	RSI SLOPE 90d	0.01	44.96%	72/100
Technical	RSI SLOPE 20d	0.84	44.66%	69/100
Technical	MFI 180d	49.13	44.65%	69/100
Technical	# days beat SP500 in last 10d	6	44.36%	66/100
Sentiment	Focus	Broad Market	31.52%	65/100
Sentiment	Brand	Invesco DB	31.75%	63/100



SIVR | Abrdn Physical Silver Shares ETF
Fundamental 4 | Technical 3 | Sentiment 7 | Low Risk 8

AI Score 3 | Sell

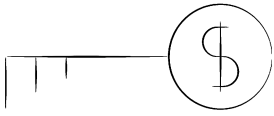
#773 of 2156 in ETFs, #2 of 4 in Silver



abrdn Physical Silver Shares ETF (SIVR) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (32.22%) is **-5.68%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of abrdn Physical Silver Shares ETF (SIVR) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	27.81	53.29%	96/100
Sentiment	Niche	Physically Held	50.39%	93/100
Sentiment	Category	Precious Metals	47.54%	86/100
Technical	MFI 90d	45.01	47.46%	86/100
Fundamental	Propectus Objective	Specialty - Pre	47.01%	85/100
Technical	RSI SLOPE 90d	-0.06	46.97%	84/100
Technical	Chart pattern 90d	n/a	46.74%	83/100
Technical	Aroon Oscillator Momentum	-28.57	45.97%	79/100
Technical	MINUS DI 300d	23.09	45.52%	76/100



BNO | United States Brent Oil Fund, LP
Fundamental 5 | Technical 3 | Sentiment 5 | Low Risk 3

AI Score 3 | Sell

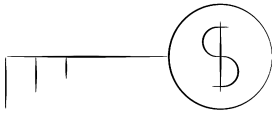
#781 of 2156 in ETFs, #4 of 8 in Crude Oil



United States Brent Oil Fund, LP (BNO) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (32.19%) is **-5.71%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of United States Brent Oil Fund, LP (BNO) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

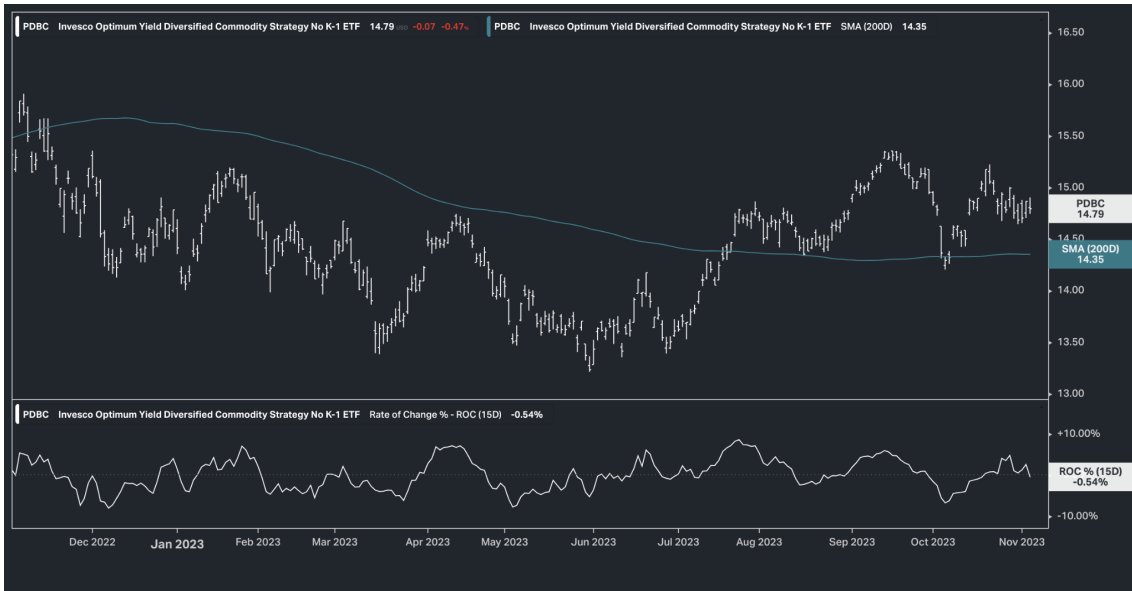
Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	RSI SLOPE 90d	-0.11	46.24%	81/100
Technical	MINUS DI 90d	25.11	45.99%	79/100
Technical	Ultimate Oscillator	43.21	45.80%	78/100
Technical	MINUS DI 300d	22.79	45.52%	76/100
Technical	Rate of Change ratio 100 scale : (price/price -1d)*100	9384.52%	45.48%	75/100
Technical	RSI 18	45.85	45.47%	75/100
Technical	MFI 90d	50.16	45.45%	75/100
Technical	MFI 180d	48.85	45.37%	74/100
Technical	Aroon upside	28.57	45.27%	74/100



PDBC | Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF
Fundamental 5 | Technical 2 | Sentiment 3 | Low Risk 7

AI Score 3 | Sell

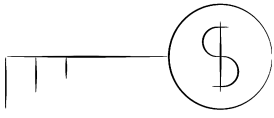
#850 of 2156 in ETFs, #12 of 26 in Broad Market



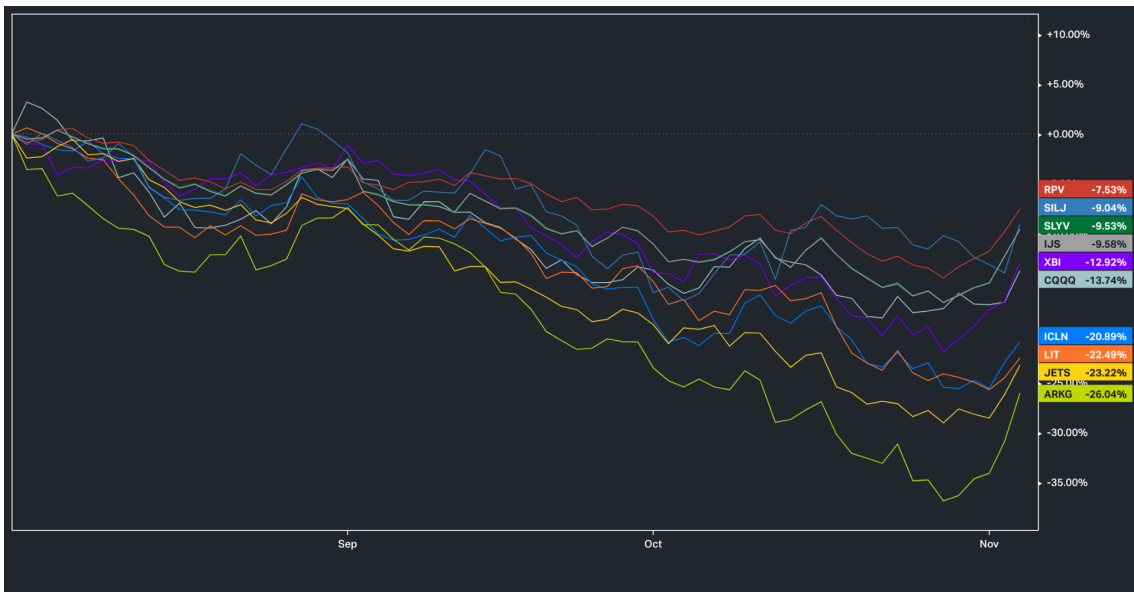
Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF (PDBC) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.89%) is **-6.01%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

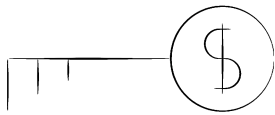
The AI-powered overall analysis of Invesco Optimum Yield Diversified Commodity Strategy No K-1 ETF (PDBC) is based on the 25 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 180d	n/a	8.31%	99/100
Technical	Chart pattern 120d	n/a	11.29%	99/100
Technical	Chart pattern 90d	n/a	16.65%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Fundamental	ETF Dividend Yield	13.04%	29.06%	83/100
Technical	RSI SLOPE 90d	-0.13	46.24%	81/100
Technical	Ultimate Oscillator	46.43	45.87%	78/100
Technical	ADX 180d	10.52	45.76%	78/100
Technical	PLUS DI	20.25	45.54%	76/100
Technical	MINUS DI 300d	20.84	45.52%	76/100

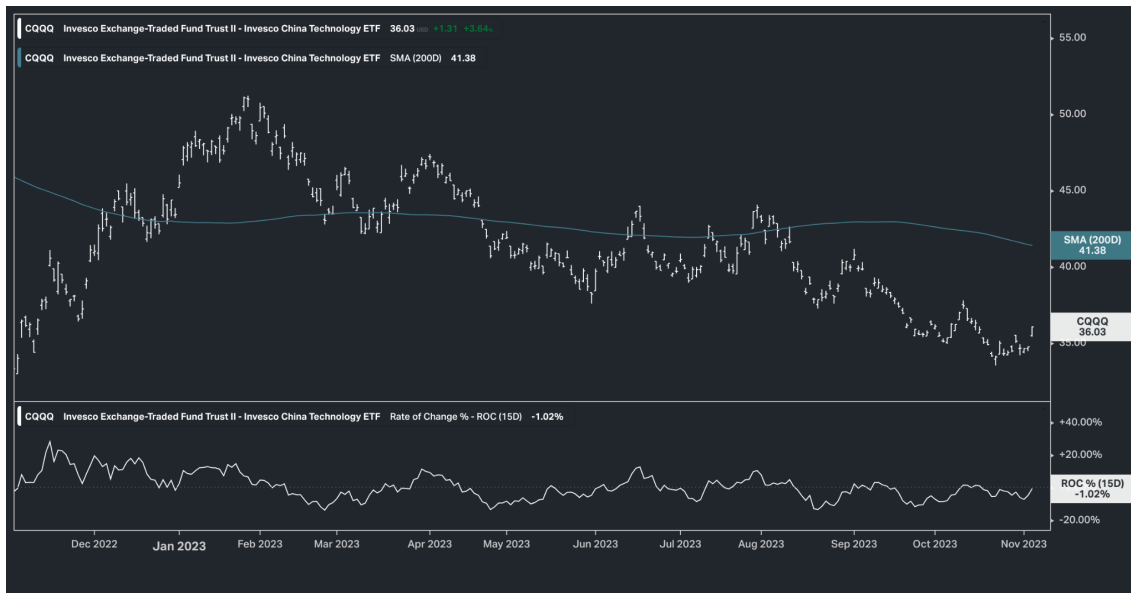


Equity | Performance Charts (1Yr, 3M)





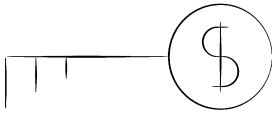
CQQQ | Invesco China Technology ETF
Fundamental 8 | Technical 10 | Sentiment 5 | Low Risk 4
AI Score 10 | Strong Buy
 #7 of 2156 in ETFs, #1 of 48 in Information Technology



Invesco China Technology ETF (CQQQ) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (58.04%) is **+20.14%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Invesco China Technology ETF (CQQQ) is based on the 28 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signa Relevance
Technical	Chart pattern 180d	n/a	71.73%	99/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Focus	Information Technology	54.29%	96/100
Technical	MINUS DI 90d	32.92	53.29%	96/100
Sentiment	Specific Region	China	24.07%	95/100
Technical	Chart pattern 30d	n/a	50.38%	93/100
Fundamental	Propectus Objective	Specialty - Tech	49.88%	92/100
Technical	TRIX 30d	-0.23	49.72%	92/100
Technical	TRIX 18d	-0.26	49.48%	91/100
Technical	KAMA 200d	9.18%	49.15%	91/100



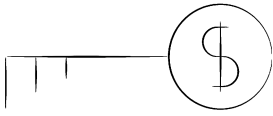
ICLN | iShares Global Clean Energy ETF
Fundamental 5 | Technical 10 | Sentiment 5 | Low Risk 7
AI Score 10 | Strong Buy
 #11 of 2156 in ETFs, #4 of 187 in Theme



iShares Global Clean Energy ETF (ICLN) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (57.38%) is **+19.48%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of iShares Global Clean Energy ETF (ICLN) is based on the 28 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Niche	Renewable Energy	10.28%	99/100
Technical	Chart pattern 60d	n/a	57.86%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	31.34	53.29%	96/100
Technical	KAMA 200d	14.33%	50.97%	94/100
Technical	MIDPRICE 180d	20.03%	50.17%	93/100
Technical	TRIX 90d	-0.14	49.80%	92/100
Technical	MFI 180d	40.89	49.17%	91/100
Technical	DEMA 180d	8.95%	49.14%	91/100
Technical	RSI 100	41.79	49.13%	91/100



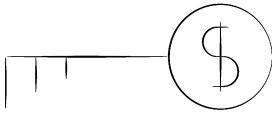
XBI | SPDR S&P Biotech ETF
Fundamental 4 | Technical 10 | Sentiment 5 | Low Risk 4
AI Score 10 | Strong Buy
 #19 of 2156 in ETFs, #5 of 44 in Health Care



SPDR S&P Biotech ETF (XBI) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (55.00%) is **+17.10%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of SPDR S&P Biotech ETF (XBI) is based on the 27 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MOM 180d	-13.31	52.13%	96/100
Technical	PLUS DI 180	19.62	50.35%	93/100
Technical	TRIX 30d	-0.3	49.72%	92/100
Technical	MACD 90d	-1.39	49.68%	92/100
Technical	TRIX 18d	-0.41	49.48%	91/100
Technical	MOM 90d	-12.52	49.43%	91/100
Technical	APO 90d	-4.69	49.20%	91/100
Technical	MFI 180d	44.8	49.17%	91/100
Technical	KAMA 200d	10.29%	49.15%	91/100



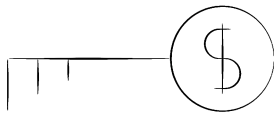
LIT | Global X Lithium & Battery Tech ETF
Fundamental 4 | Technical 10 | Sentiment 4 | Low Risk 6
AI Score 10 | Strong Buy
 #22 of 2156 in ETFs, #7 of 187 in Theme



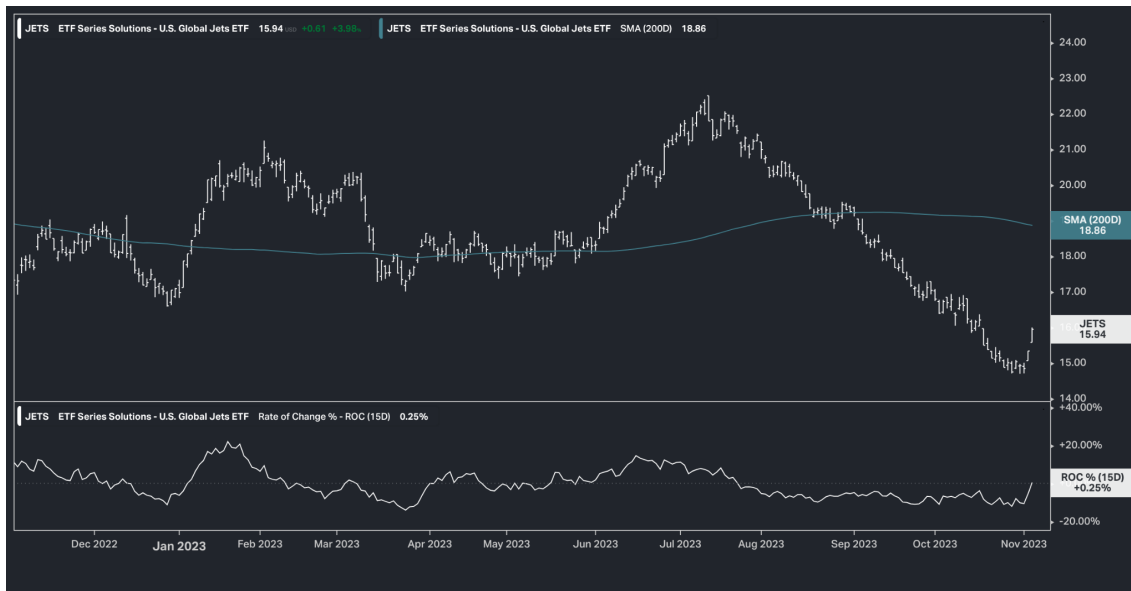
Global X Lithium & Battery Tech ETF (LIT) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (54.74%) is **+16.84%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Global X Lithium & Battery Tech ETF (LIT) is based on the 25 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	34.36	53.29%	96/100
Technical	MOM 180d	-19.11	52.13%	96/100
Technical	KAMA 200d	21.09%	50.97%	94/100
Technical	MIDPRICE 180d	17.44%	50.17%	93/100
Technical	MACD 90d	-1.79	49.68%	92/100
Technical	MOM 90d	-14.06	49.43%	91/100
Technical	APO 90d	-4.87	49.20%	91/100
Technical	MFI 180d	44.56	49.17%	91/100
Technical	DEMA 180d	9.41%	49.14%	91/100



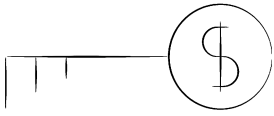
JETS | U.S. Global Jets ETF
Fundamental 9 | Technical 10 | Sentiment 5 | Low Risk 5
AI Score 10 | Strong Buy
 #24 of 2156 in ETFs, #1 of 25 in Industrials



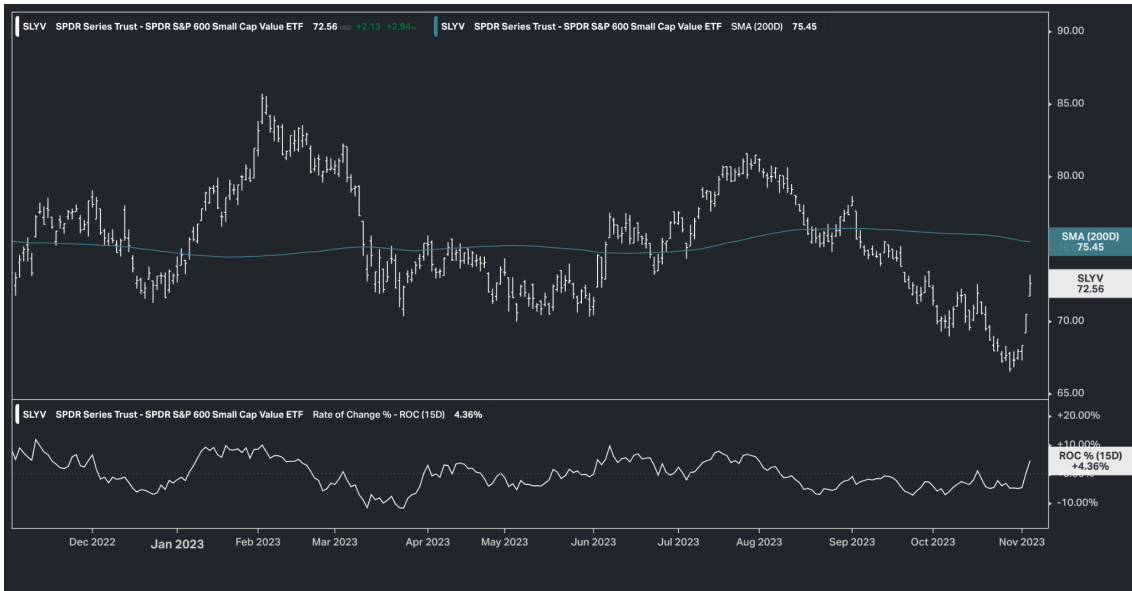
U.S. Global Jets ETF (JETS) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (54.42%) is **+16.52%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of U.S. Global Jets ETF (JETS) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 60d	n/a	57.86%	98/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	27.33	53.29%	96/100
Technical	KAMA 200d	15.82%	50.97%	94/100
Technical	MIDPRICE 180d	16.66%	50.17%	93/100
Technical	DEMA 180d	10.66%	49.14%	91/100
Technical	RSI 100	44.52	49.13%	91/100
Technical	TRIX 18d	-0.54	49.12%	90/100
Technical	TRIX 30d	-0.42	49.00%	90/100
Technical	MFI 180d	46.31	48.32%	89/100



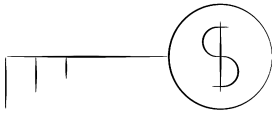
SLYV | SPDR S&P 600 Small Cap Value ETF
Fundamental 4 | Technical 10 | Sentiment 6 | Low Risk 9
AI Score 10 | Strong Buy
 #45 of 2156 in ETFs, #3 of 117 in Small Cap



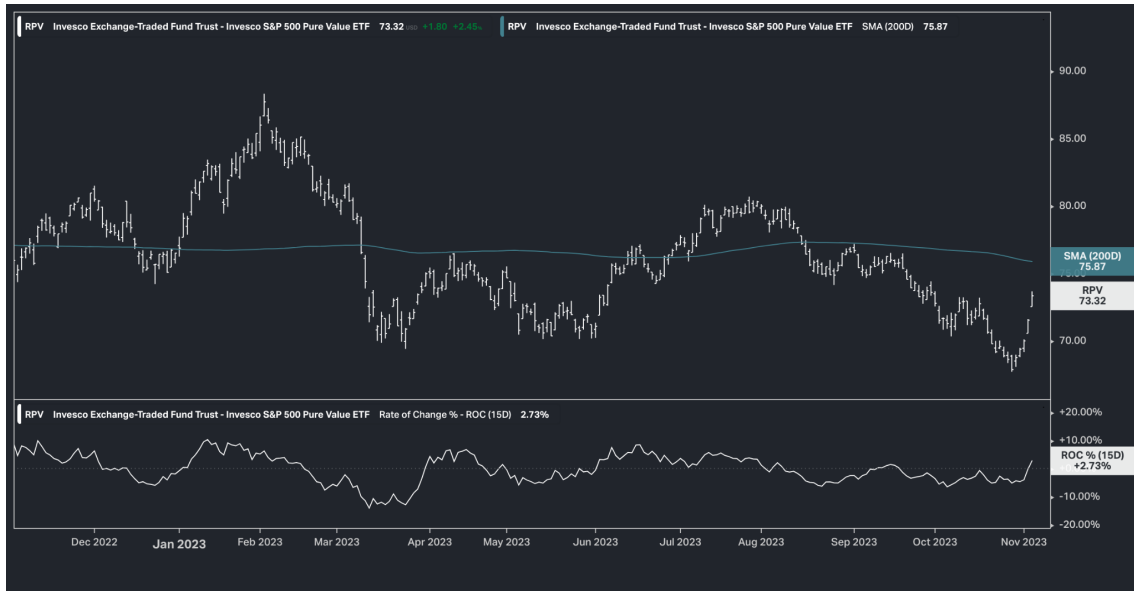
SPDR S&P 600 Small Cap Value ETF (SLYV) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (52.24%) is **+14.34%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of SPDR S&P 600 Small Cap Value ETF (SLYV) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	PLUS DI 180	20.41	50.35%	93/100
Technical	TRIX 30d	-0.18	49.72%	92/100
Technical	TRIX 18d	-0.25	49.48%	91/100
Technical	APO 90d	-3.34	49.20%	91/100
Technical	Chart pattern 15d	n/a	48.87%	90/100
Technical	Upside based on 30-day Price Forecast (lower bound)	-16.23%	48.17%	88/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-25.16%	48.10%	88/100
Technical	Upside based on 90-day Price Forecast	-22.53%	46.97%	84/100
Technical	Upside based on 60-day Price Forecast	-17.06%	46.95%	84/100



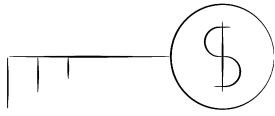
RPV | Invesco S&P 500 Pure Value ETF
Fundamental 5 | Technical 10 | Sentiment 6 | Low Risk 10
AI Score 10 | Strong Buy
 #49 of 2156 in ETFs, #2 of 334 in Large Cap



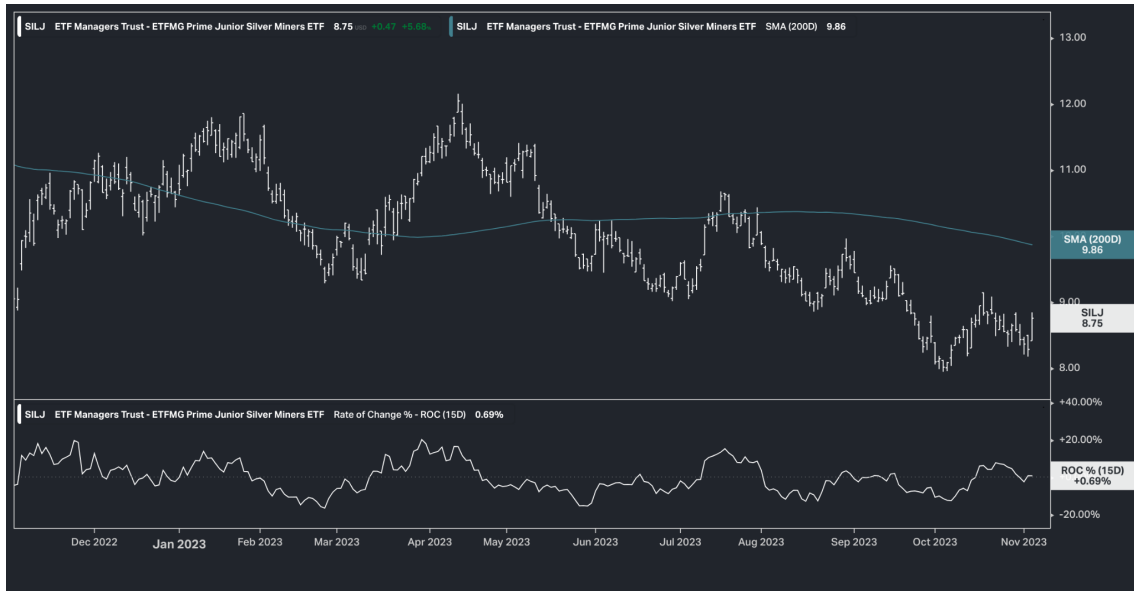
Invesco S&P 500 Pure Value ETF (RPV) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (52.08%) is **+14.18%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Invesco S&P 500 Pure Value ETF (RPV) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	27.33	53.29%	96/100
Technical	MOM 180d	-12.35	52.13%	96/100
Technical	APO 90d	-2.8	49.20%	91/100
Technical	MFI 180d	41.14	49.17%	91/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-21.60%	48.10%	88/100
Technical	MFI 90d	43.95	47.46%	86/100
Technical	Upside based on 90-day Price Forecast	-18.50%	46.97%	84/100
Technical	Upside based on 60-day Price Forecast	-13.80%	46.95%	84/100
Technical	TRIX 30d	-0.16	46.82%	84/100



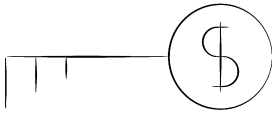
SILJ | ETFMG Prime Junior Silver Miners ETF
Fundamental 6 | Technical 9 | Sentiment 5 | Low Risk 4
AI Score 10 | Strong Buy
 #66 of 2156 in ETFs, #1 of 31 in Materials



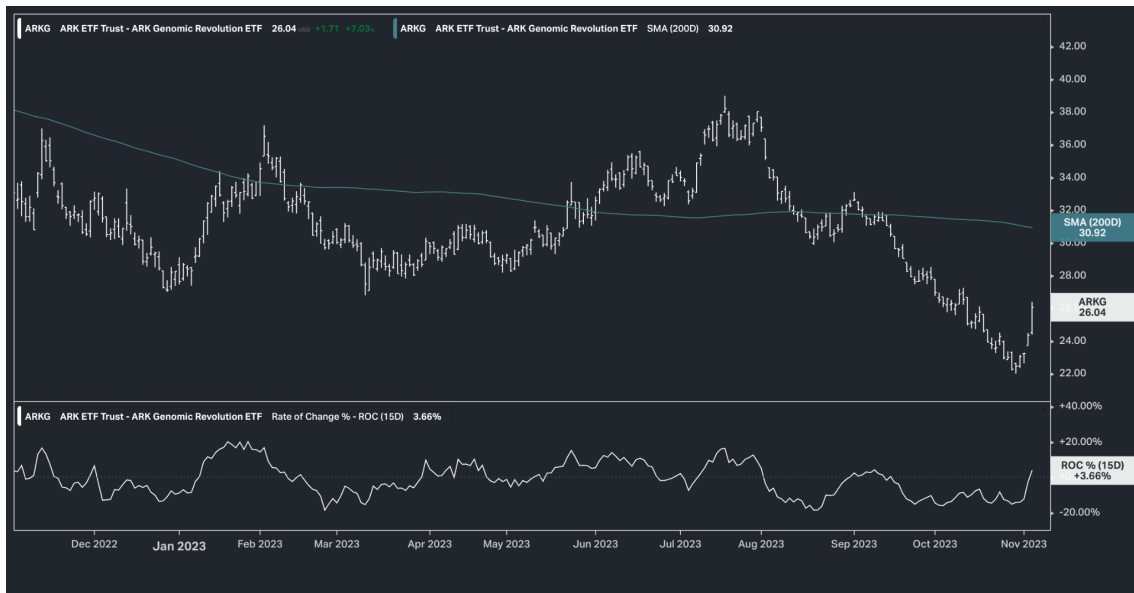
ETFMG Prime Junior Silver Miners ETF (SILJ) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (51.55%) is **+13.65%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of ETFMG Prime Junior Silver Miners ETF (SILJ) is based on the 22 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 180d	n/a	66.65%	99/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	26.48	53.29%	96/100
Technical	MIDPRICE 180d	14.80%	50.17%	93/100
Technical	TRIX 30d	-0.2	49.72%	92/100
Technical	KAMA 200d	8.61%	49.15%	91/100
Technical	Upside based on 30-day Price Forecast (lower bound)	-18.17%	48.17%	88/100
Technical	Upside based on 15-day Price Forecast (lower bound)	-15.43%	48.00%	88/100
Fundamental	Propectus Objctive	Specialty - Pre	47.01%	85/100
Technical	RSI SLOPE 90d	-0.1	46.97%	84/100



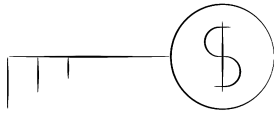
ARKG | ARK Genomic Revolution ETF
Fundamental 6 | Technical 10 | Sentiment 5 | Low Risk 3
AI Score 10 | Strong Buy
 #69 of 2156 in ETFs, #21 of 187 in Theme



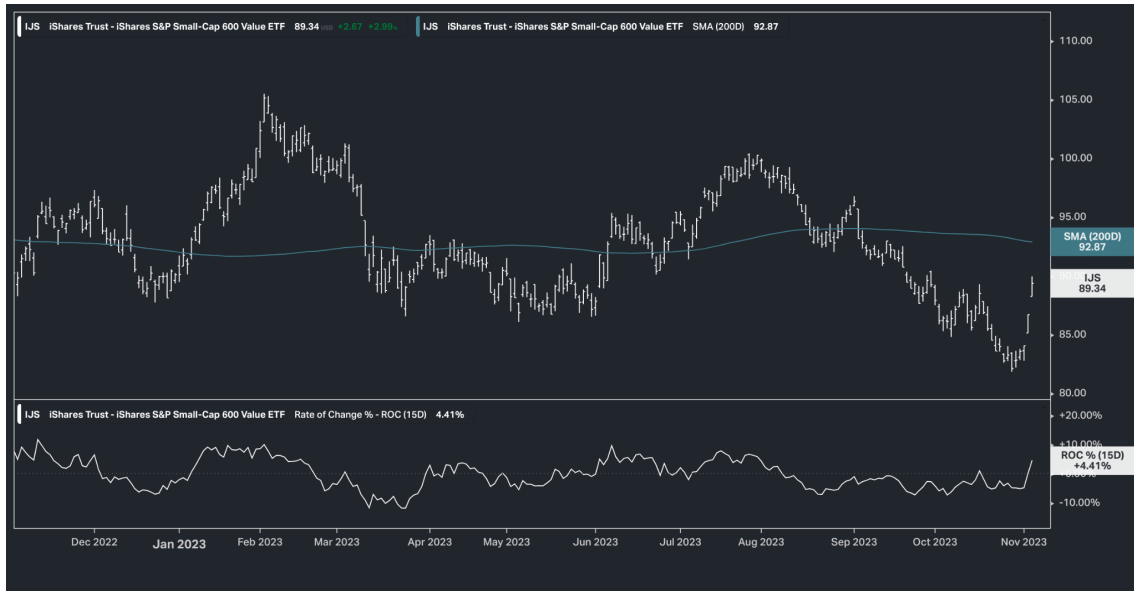
ARK Genomic Revolution ETF (ARKG) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (51.34%) is **+13.44%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of ARK Genomic Revolution ETF (ARKG) is based on the 26 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	26.1	53.29%	96/100
Technical	KAMA 200d	18.40%	50.97%	94/100
Technical	MIDPRICE 180d	17.01%	50.17%	93/100
Technical	APO 90d	-3.44	49.20%	91/100
Technical	TRIX 18d	-0.72	49.12%	90/100
Technical	TRIX 30d	-0.5	49.00%	90/100
Technical	Chart pattern 15d	n/a	48.87%	90/100
Technical	Chart pattern 60d	n/a	48.37%	89/100
Technical	MFI 180d	45.71	48.32%	89/100



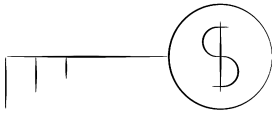
IJS | iShares S&P Small-Cap 600 Value ETF
Fundamental 4 | Technical 10 | Sentiment 6 | Low Risk 9
AI Score 10 | Strong Buy
 #71 of 2156 in ETFs, #5 of 117 in Small Cap



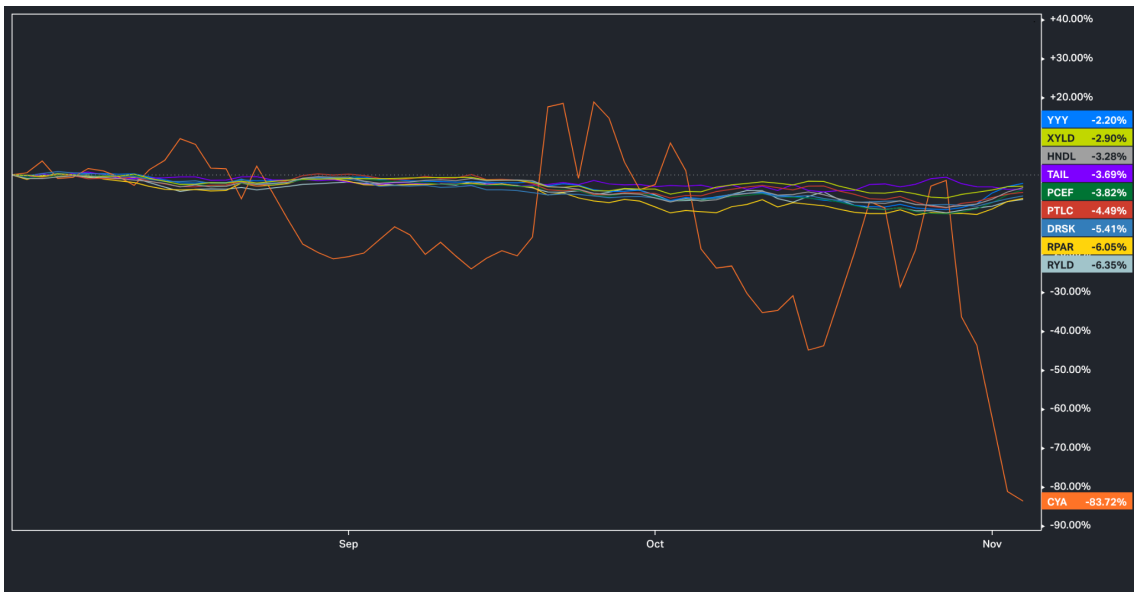
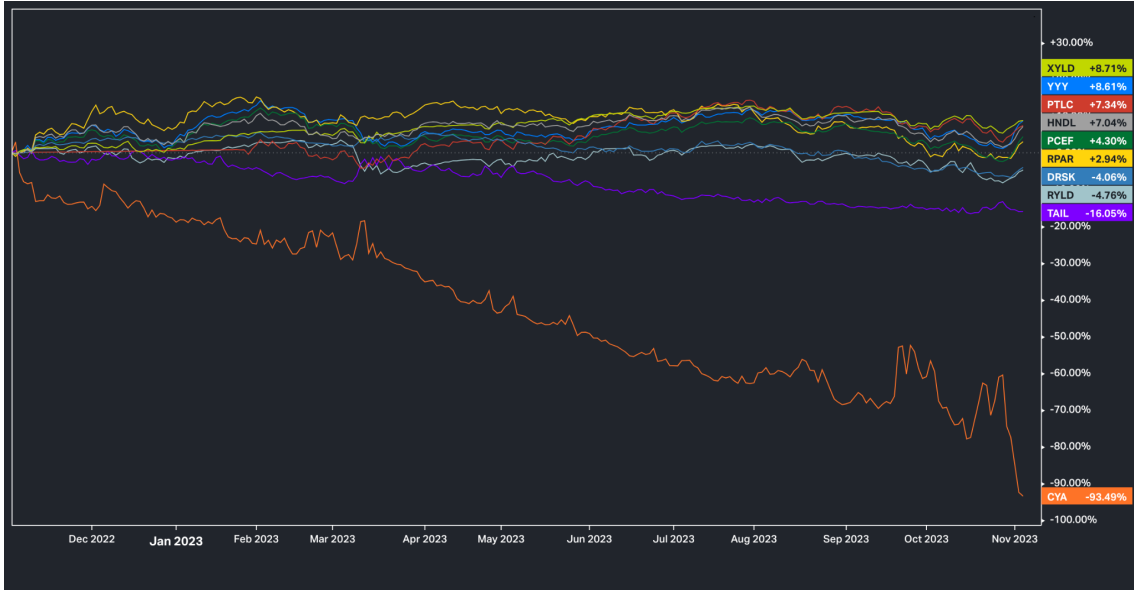
iShares S&P Small-Cap 600 Value ETF (IJS) has an AI Score of 10/10 (Strong Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (51.26%) is **+13.36%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

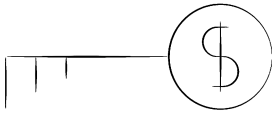
The AI-powered overall analysis of iShares S&P Small-Cap 600 Value ETF (IJS) is based on the 23 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MOM 180d	-12.97	52.13%	96/100
Technical	TRIX 30d	-0.18	49.72%	92/100
Technical	TRIX 18d	-0.25	49.48%	91/100
Technical	APO 90d	-4.11	49.20%	91/100
Technical	Chart pattern 15d	n/a	48.87%	90/100
Technical	Upside based on 30-day Price Forecast (lower bound)	-16.11%	48.17%	88/100
Technical	Upside based on 60-day Price Forecast (lower bound)	-25.73%	48.10%	88/100
Technical	PLUS DI 180	20.66	47.29%	85/100
Technical	Upside based on 90-day Price Forecast	-22.59%	46.97%	84/100



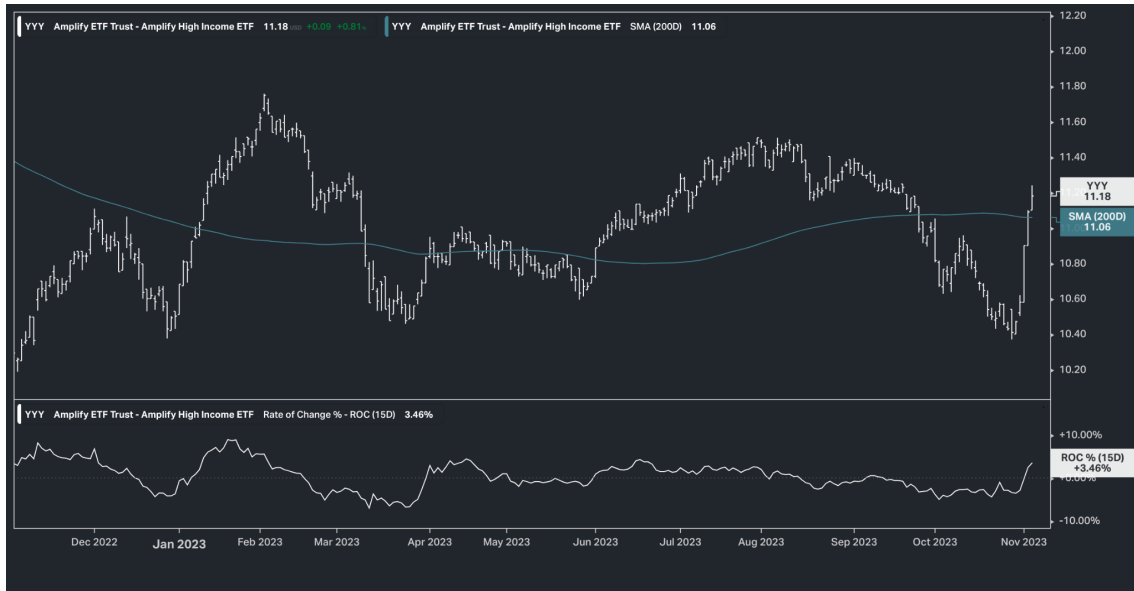
Multi Asset | Performance Charts (1Yr, 3M)





YYY | Amplify High Income ETF
Fundamental 4 | Technical 9 | Sentiment 4 | Low Risk 10
AI Score 9 | Buy

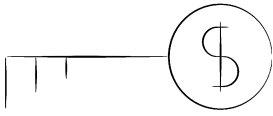
#345 of 256 in ETFs, #2 of 59 in Target Outcome



Amplify High Income ETF (YYY) has an AI Score of 9/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (43.63%) is **+5.73%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Amplify High Income ETF (YYY) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	27.29	53.29%	96/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Fundamental	Propectus Objctive	Income	25.48%	93/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	MFI 180d	45.97	48.32%	89/100
Technical	MINUS DI 300d	27.18	47.93%	88/100
Technical	RSI 100	46.39	47.25%	85/100
Technical	Upside based on 90-day Price Forecast	-16.99%	46.97%	84/100



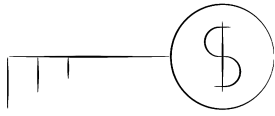
TAIL | Cambria Tail Risk ETF
Fundamental 3 | Technical 8 | Sentiment 3 | Low Risk 10
AI Score 8 | Buy
 #392 of 2156 in ETFs, #4 of 59 in Target Outcome



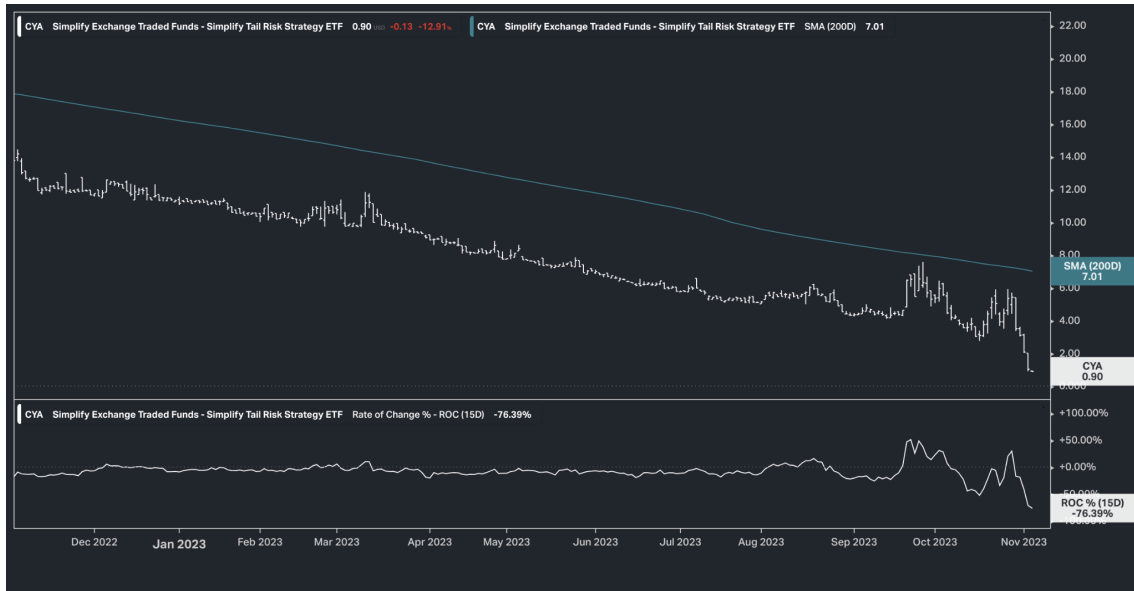
Cambria Tail Risk ETF (TAIL) has an AI Score of 8/10 (Buy) because its overall probability of beating the market (S&P 500) in the next 3 months (42.24%) is **+4.34%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Cambria Tail Risk ETF (TAIL) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 180d	n/a	64.42%	99/100
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	RSI 100	44.45	49.13%	91/100
Technical	WILLR 90d	-84.16	47.72%	87/100
Technical	MIDPRICE 180d	10.68%	47.36%	86/100
Technical	TRIX 90d	-0.08	46.94%	84/100
Technical	Ultimate Oscillator	48.2	45.87%	78/100



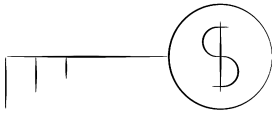
CYA | Simplify Tail Risk Strategy ETF
Fundamental 3 | Technical 5 | Sentiment 3 | Low Risk 1
AI Score 5 | Hold
 #527 of 2156 in ETFs, #6 of 59 in Target Outcome



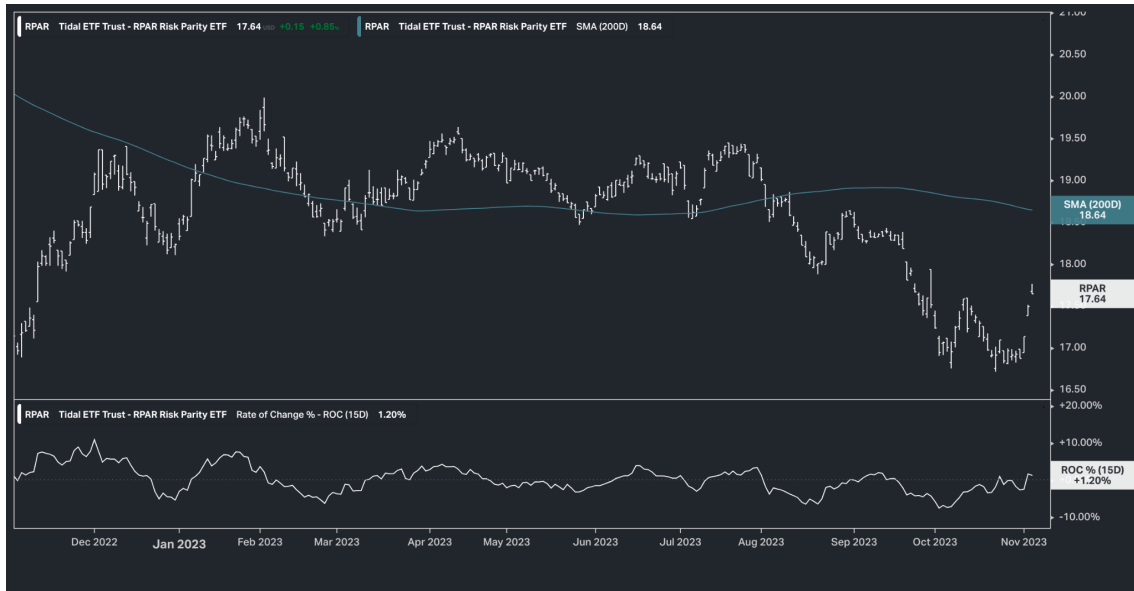
Simplify Tail Risk Strategy ETF (CYA) has an AI Score of 5/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (36.68%) is **-1.22%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Simplify Tail Risk Strategy ETF (CYA) is based on the 21 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Technical	DEMA 180d	257.49%	51.51%	95/100
Fundamental	Propectus Objctive	Income	25.48%	93/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	RSI 100	39.4	49.13%	91/100
Technical	TRIX 18d	-0.87	49.12%	90/100
Technical	MINUS DI 300d	31.95	49.04%	90/100
Technical	TRIX 30d	-0.51	49.00%	90/100



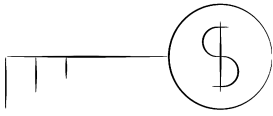
RPAR | Risk Parity ETF
Fundamental 4 | Technical 7 | Sentiment 4 | Low Risk 10
AI Score 4 | Hold
 #583 of 256 in ETFs, 33 of 10 in Global Macro



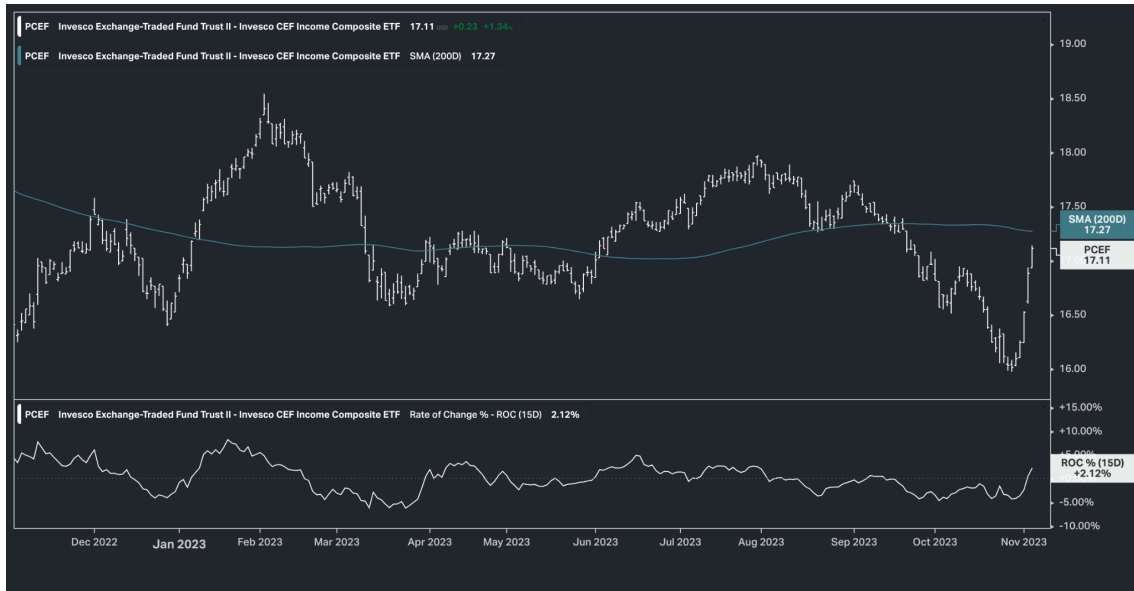
RPAR Risk Parity ETF (RPAR) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (34.69%) is **-3.21%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of RPAR Risk Parity ETF (RPAR) is based on the 17 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	Chart pattern 120d	n/a	86.76%	99/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	MINUS DI 90d	30.63	53.29%	96/100
Technical	PLUS DI 180	19.56	50.35%	93/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	RSI 100	45.9	47.25%	85/100
Technical	Upside based on 90-day Price Forecast	-15.89%	46.97%	84/100
Technical	Upside based on 60-day Price Forecast	-12.15%	46.95%	84/100
Technical	TRIX 30d	-0.17	46.82%	84/100
Technical	MINUS DI 300d	24.78	46.59%	82/100



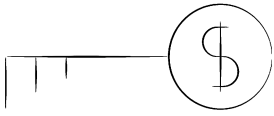
PCEF | Invesco CEF Income Composite ETF
Fundamental 4 | Technical 4 | Sentiment 4 | Low Risk 10
AI Score 4 | Hold
 #603 of 2156 in ETFs, #7 of 59 in Target Outcome



Invesco CEF Income Composite ETF (PCEF) has an AI Score of 4/10 (Hold) because its overall probability of beating the market (S&P 500) in the next 3 months (34.26%) is **-3.64%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

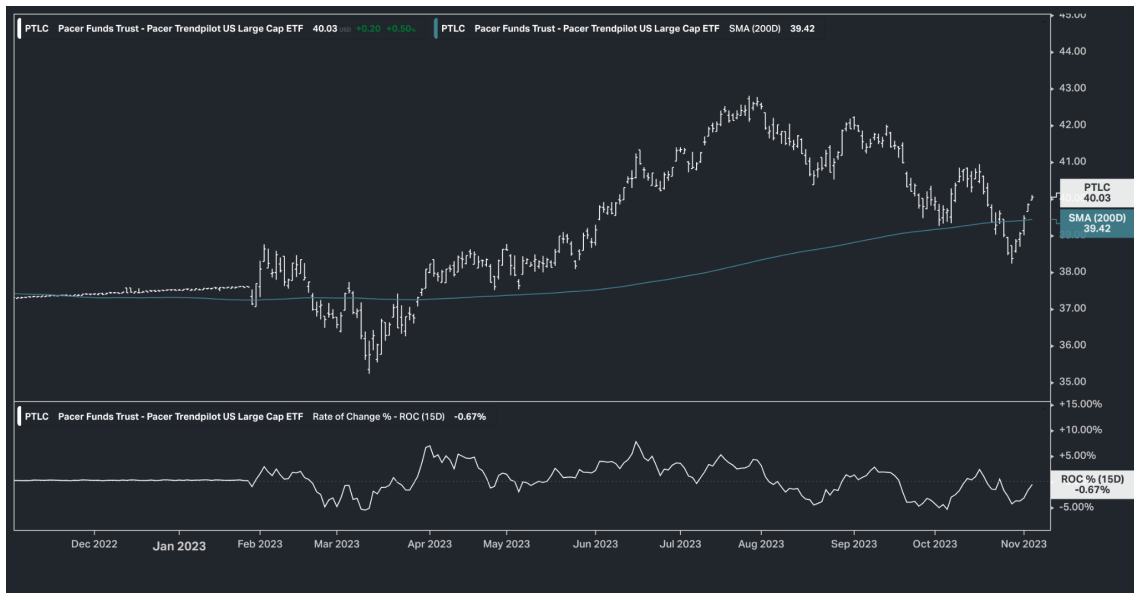
The AI-powered overall analysis of Invesco CEF Income Composite ETF (PCEF) is based on the 19 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Fundamental	Propectus Objctive	Income	25.48%	93/100
Technical	Chart pattern 90d	figure_57	26.20%	92/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	MFI 180d	42.15	49.17%	91/100
Technical	Chart pattern 180d	n/a	28.18%	87/100
Technical	TRIX 30d	-0.11	46.82%	84/100
Fundamental	ETF Dividend Yield	10.38%	29.06%	83/100



PTLC | Pacer Trendpilot US Large Cap ETF
Fundamental 5 | Technical 2 | Sentiment 4 | Low Risk 10
AI Score 3 | Sell

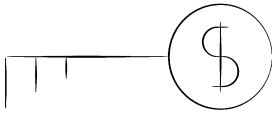
#968 of 2156 in ETFs, #165 of 334 in Large Cap



Pacer Trendpilot US Large Cap ETF (PTLC) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.52%) is **-6.38%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

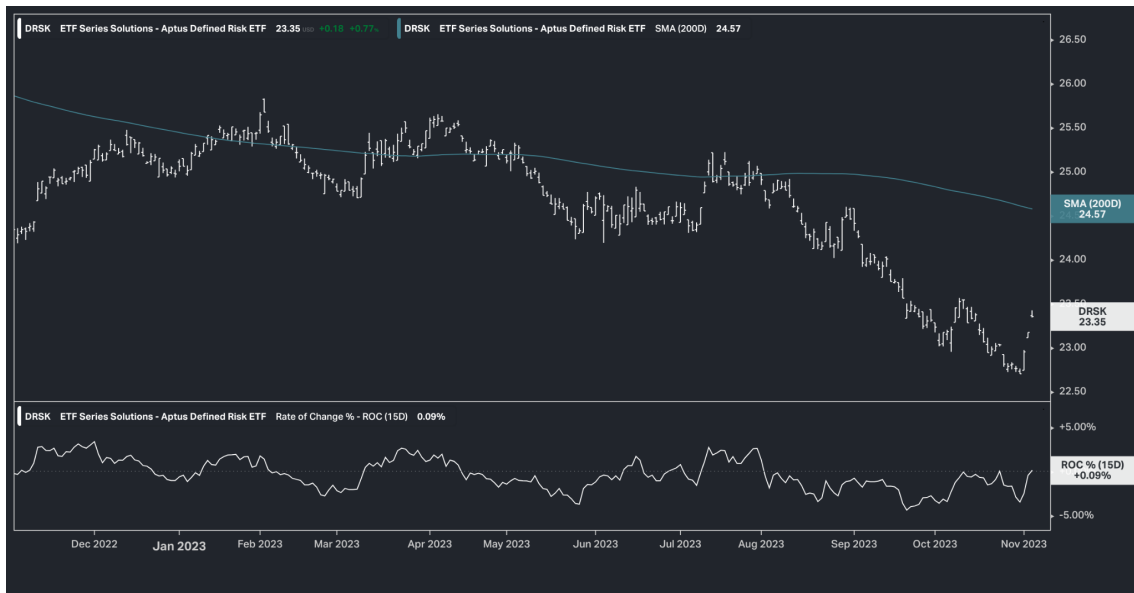
The AI-powered overall analysis of Pacer Trendpilot US Large Cap ETF (PTLC) is based on the 25 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Technical	PLUS DI 180	18.61	50.35%	93/100
Technical	Chart pattern 90d	n/a	26.20%	92/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	MINUS DI 300d	26.93	47.93%	88/100
Technical	ADX 50d	16.22	45.59%	76/100
Technical	Ultimate Oscillator	56.8	45.28%	74/100
Technical	TRIX 30d	-0.07	45.16%	73/100
Technical	Short Line Candle pattern	YES	44.82%	71/100
Technical	PLUS DI	25.47	44.78%	70/100



DRSK | Aptus Defined Risk ETF
Fundamental 4 | Technical 4 | Sentiment 3 | Low Risk 10
AI Score 3 | Sell

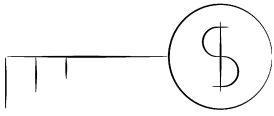
#1052 of 2156 in ETFs, #21 of 59 in Target Outcome



Aptus Defined Risk ETF (DRSK) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (31.26%) is **-6.64%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

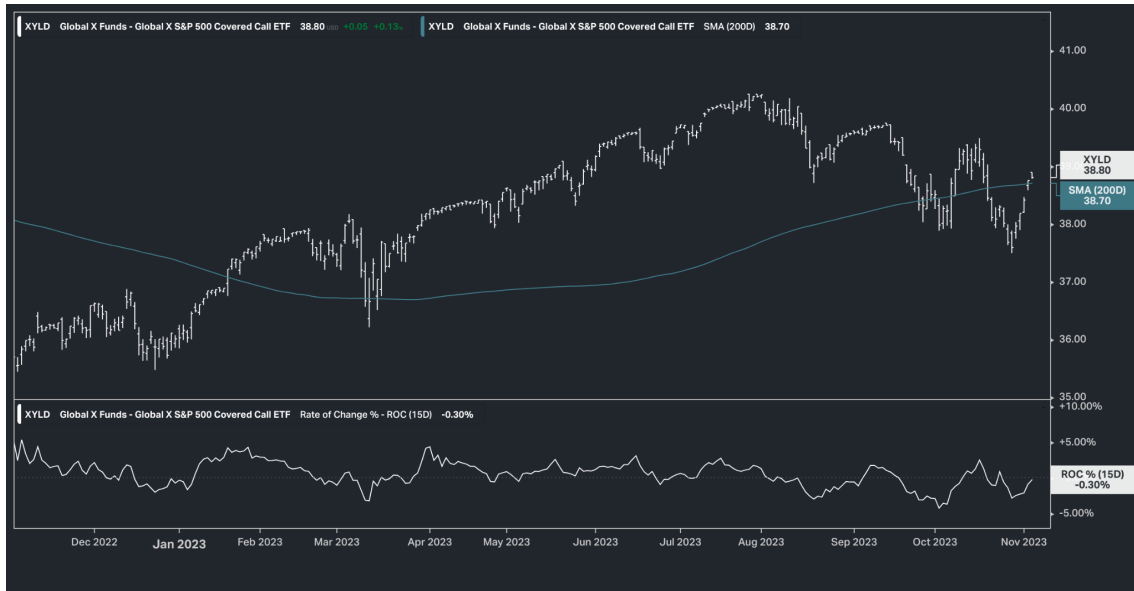
The AI-powered overall analysis of Aptus Defined Risk ETF (DRSK) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Technical	Chart pattern 90d	n/a	26.20%	92/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	MFI 180d	37.25	49.17%	91/100
Technical	RSI 100	44.59	49.13%	91/100
Technical	MINUS DI 300d	26.4	47.93%	88/100
Technical	ADXR 90d	14.86	46.86%	84/100
Technical	TRIX 30d	-0.11	46.82%	84/100



XYLD | Global X S&P Covered Call ETF
Fundamental 5 | Technical 4 | Sentiment 4 | Low Risk 10
AI Score 3 | Sell

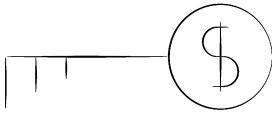
#1442 of 2156 in ETFs, #264 of 334 in Large Cap



Global X S&P 500 Covered Call ETF (XYLD) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (30.39%) is **-7.51%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

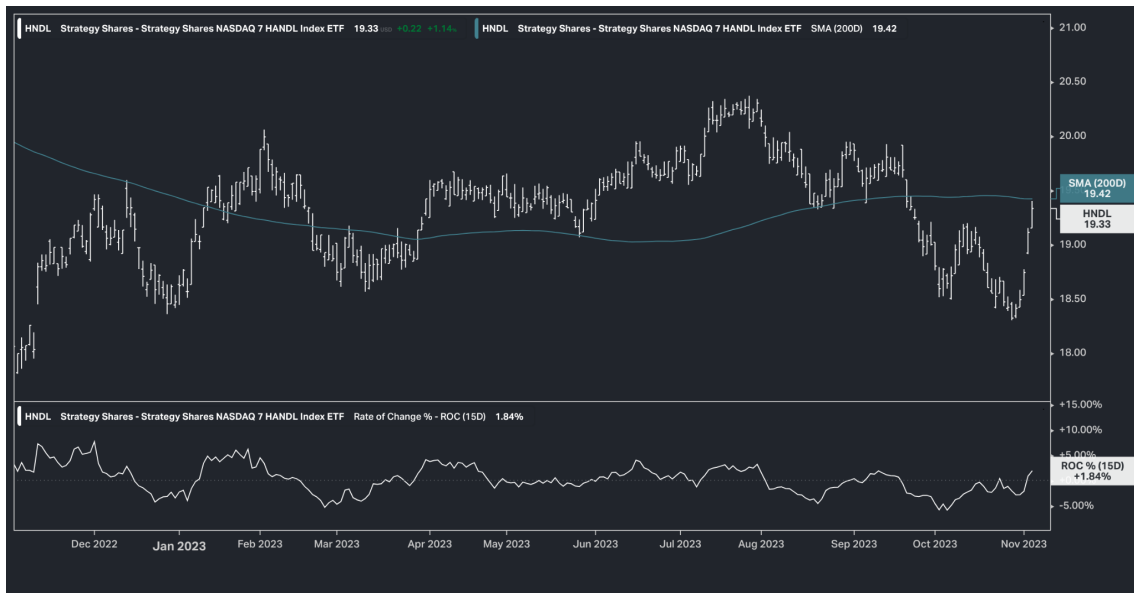
The AI-powered overall analysis of Global X S&P 500 Covered Call ETF (XYLD) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	MINUS DI 300d	28.18	47.93%	88/100
Technical	Chart pattern 180d	n/a	28.18%	87/100
Technical	RSI 100	45.91	47.25%	85/100
Sentiment	Strategy	Buy-write	28.55%	85/100
Technical	ADXR 90d	15.11	46.86%	84/100
Fundamental	ETF Dividend Yield	11.28%	29.06%	83/100
Technical	Chart pattern 5d	n/a	46.62%	83/100
Technical	MINUS DI 90d	24.27	45.99%	79/100



HNDL | Strategy Shares Nasdaq 7 Handl Index ETF
Fundamental 4 | Technical 2 | Sentiment 4 | Low Risk 10
AI Score 3 | Sell

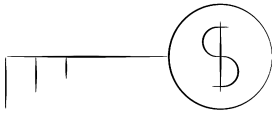
#1446 of 2156 in ETFs, #39 of 59 in Target Outcome



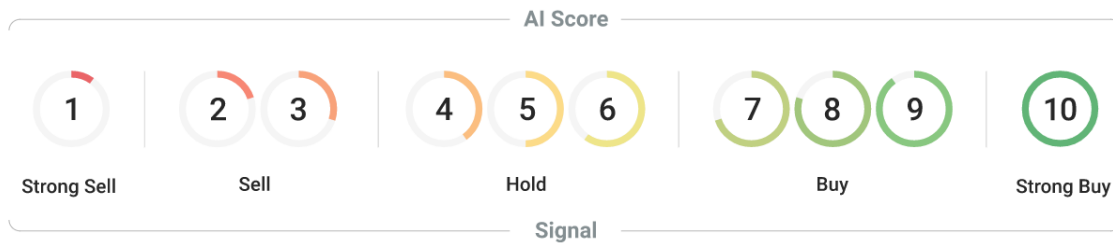
Strategy Shares Nasdaq 7 Handl Index ETF (HNDL) has an AI Score of 3/10 (Sell) because its overall probability of beating the market (S&P 500) in the next 3 months (30.37%) is **-7.53%** vs. the average probability (37.90%) of US stocks analyzed by our Artificial Intelligence.

The AI-powered overall analysis of Strategy Shares Nasdaq 7 Handl Index ETF (HNDL) is based on the 24 fundamental, technical, and sentiment features that are among the ones that had the greatest impact on the performance of ETFs during the last 12 months (alpha signals):

Type	Alpha Signal	Current Value	Odds to Beat Market	Signal Relevance
Sentiment	Focus	Target Outcome	20.69%	97/100
Technical	S&P 500 AI Score	7	54.37%	97/100
Sentiment	Category	Asset Allocation	24.04%	95/100
Sentiment	Strategy	Fixed Asset Allocation	24.30%	95/100
Technical	Chart pattern 90d	n/a	26.20%	92/100
Sentiment	Asset Class	Multi-Asset	26.39%	91/100
Technical	Chart pattern 180d	n/a	28.18%	87/100
Fundamental	ETF Dividend Yield	6.68%	29.06%	83/100
Sentiment	Niche	Capital Appreciation	29.20%	82/100
Technical	MFI 90d	48.23	46.37%	81/100



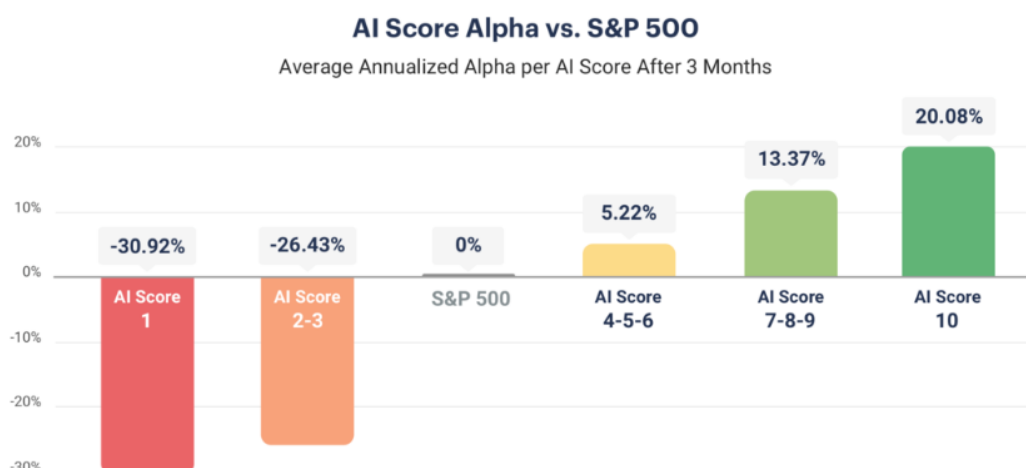
GRYNING | CAPITAL is a stock analytics research firm powered by Explainable Artificial Intelligence. It rates stocks and ETFs with an easy-to-understand global AI Score, ranging from 1 to 10; the higher the score, the higher the probability of beating the market in the next 3 months.

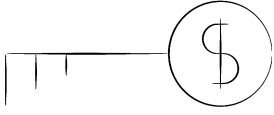


Our AI transforms hundreds of complex stock/ETFs indicators and thousands of stock/ETFs features to rate stocks and ETFs with an easy-to-understand score: the AI Score. The AI Score rates stocks and ETFs according to the probability of beating the market in the next 3 months. For U.S. Listed Single Stocks and ETF's, the benchmark is the S&P 500 TR index, and for European Stocks, it is the STOXX Europe 600 index. Stocks and ETFs with the highest AI Scores (7 to 10) have a higher probability of outperforming the market, while stocks and ETFs with the lowest AI Scores (1 to 3) have a lower probability.

Our Artificial Intelligence calculates probabilities, not certainties. The AI Scores and the ratings/signals should be used as useful but not infallible information to complement your own investment decision process.

We continuously measure how successful is our Artificial Intelligence at ordering stocks and ETFs according to their potential of overperforming the market (generating alpha). Tickers with the highest AI Score (10/10) outperformed the market (S&P 500) by +20.08% on average after 3 months (annualized alpha) in the last 5 years, while stocks with the lowest AI Score (1/10) underperformed the market by -30.92% on average (annualized alpha).





Fundamental, Technical, Sentiment, and Low Risk Subscores

While the AI Score has a holistic approach, considering all the different types of information available for a stock or ETF, the Fundamental, Technical, and Sentiment subscores rate the probability of beating the market based only on those specific types of indicators.

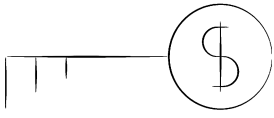
These specific subscores can be helpful to enrich your investment strategy. For example, if you favor fundamental analysis when picking a stock or ETF, you could select the one with the highest Fundamental subscore between two with the same global AI Score. The same would apply to investors that usually favor technical or sentiment analysis in their stock/ETF picking process.

The Low Risk subscore rates the negative price fluctuations (semi-deviation) of the latest 500 days. The higher the Low Risk subscore, the lower the downside risk.

The AI Score is not the average of the subscores. The AI Score is calculated by analyzing all the data types available for a stock or ETF, independently of the specific subscores.

Understanding the Alpha Signals Behind our AI Scores

The alpha signals are the stock and ETF features that are more relevant to calculate the probability of beating the market. These alpha signals are ordered according to their alpha relevance. In the Scores Explanation table, alpha signals are represented as percentages; above 50% means a higher than average alpha odds, below 50% means a lower than average alpha odds.



Disclaimer:

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