

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

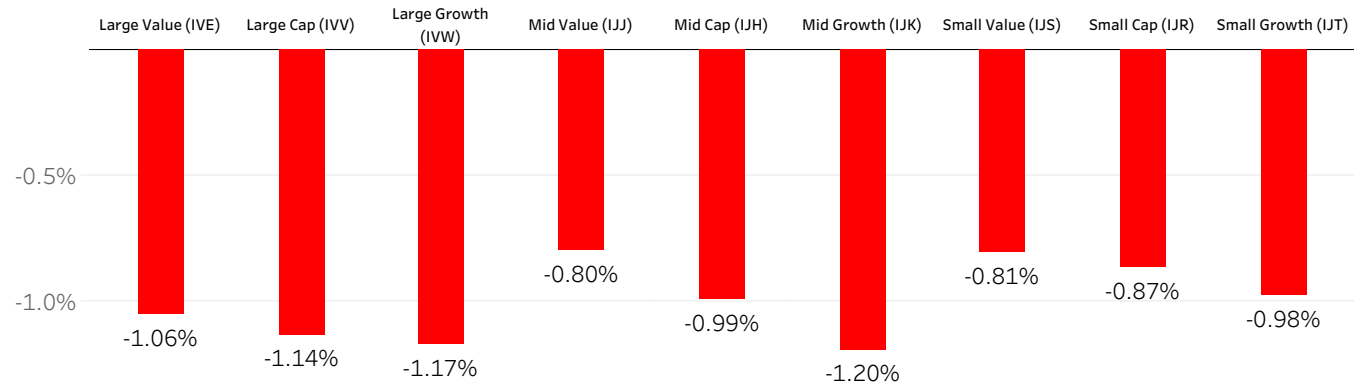


Small Cap Blend (S&P 600) IJR



■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QMOM	Momentumshares US Quantitative Momentum ETF	0.86%
RPHS	Regents Park Hedged Market Strategy ETF	0.59%
EQRR	ProShares Equities for Rising Rates ETF	0.52%
QVAL	Alpha Architect US Quantitative Value ETF	0.44%
RUFF	Alpha Dog ETF	0.36%
MFUS	PIMCO RAFI Dynamic Multi-Factor U.S. Equity ETF	0.27%
SPVU	Invesco S&P 500 Enhanced Value ETF	0.26%
COWZ	Pacer US Cash Cows 100 ETF	0.24%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.07%
SYLD	Cambria Shareholder Yield ETF	0.05%

Size & Style Most Overbought

Ticker	Fund	Value
RPV	Invesco S&P 500 Pure Value ETF	58.81
ABEQ	Absolute Select Value ETF	57.95
SDOG	ALPS Sector Dividend Dogs ETF	57.03
RFV	Invesco S&P Midcap 400 Pure Value ETF	56.02
SPDV	AAM S&P 500 High Dividend Value ETF	53.66
RZV	Invesco S&P Smallcap 600 Pure Value ETF	53.64
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	53.57
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	53.55
FNK	First Trust Mid Cap Value AlphaDEX Fund	53.19
FDL	First Trust Morningstar Dividend Leaders Index Fund	52.89

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
LCG	Sterling Capital Focus Equity ETF	-3.03%
IPO	Renaissance IPO ETF	-2.77%
FPX	First Trust US Equity Opportunities ETF	-1.96%
BIBL	Inspire 100 ETF	-1.92%
SCHG	Schwab U.S. Large-Cap Growth ETF	-1.81%
VUG	Vanguard Growth ETF	-1.79%
VOT	Vanguard Mid-Cap Growth ETF	-1.79%
MGK	Vanguard Mega Cap Growth ETF	-1.78%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-1.73%
ILCG	iShares Morningstar Growth ETF	-1.71%

Size & Style Most Oversold

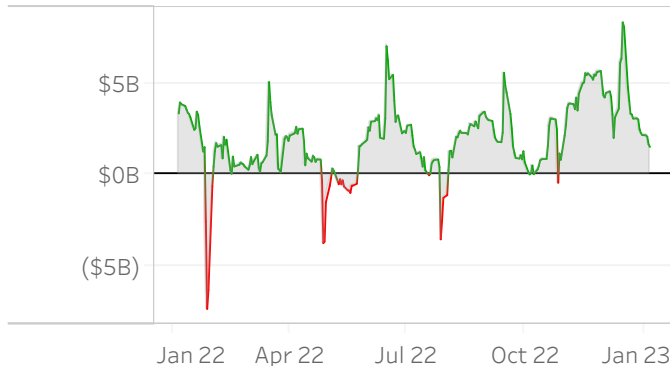
Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	27.43
WBIG	WBI BullBear Yield 3000 ETF	31.34
PTLC	Pacer Trendpilot US Large Cap ETF	32.49
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	32.68
QMOM	Momentumshares US Quantitative Momentum E..	32.81
QVML	Invesco S&P 500 QVM Multi-factor ETF	32.98
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	33.59
FPX	First Trust US Equity Opportunities ETF	34.46
FDMO	Fidelity Momentum Factor ETF	34.75
QQH	HCM Defender 100 Index ETF	35.09

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

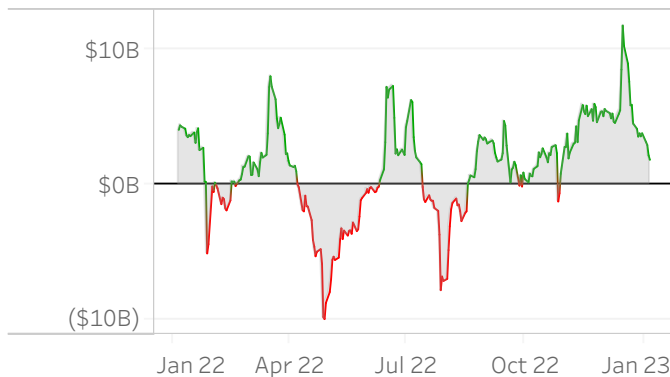
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,180B	(\$1.71B)	\$12.02B	\$35.73B	\$57.19B
Large Cap, Beta Growth, Beta: Growth	10	\$212B	(\$0.27B)	\$9.39B	\$15.26B	\$21.27B
Large Cap, Beta Growth, Beta: Value	11	\$224B	(\$0.16B)	\$1.71B	\$2.73B	\$20.08B
Mid Cap, Beta, Beta	10	\$179B	(\$0.02B)	\$4.93B	\$7.25B	\$11.46B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.03B	\$0.63B	\$1.13B	\$0.62B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.00B	\$1.40B	\$1.28B	\$1.84B
Small Cap, Beta, Beta	13	\$187B	(\$0.99B)	\$3.09B	\$4.40B	\$0.44B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.00B	\$1.11B	\$1.03B	\$1.77B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.06B)	\$1.21B	(\$0.68B)	(\$2.31B)

U.S. Size & Style Flow Leaders

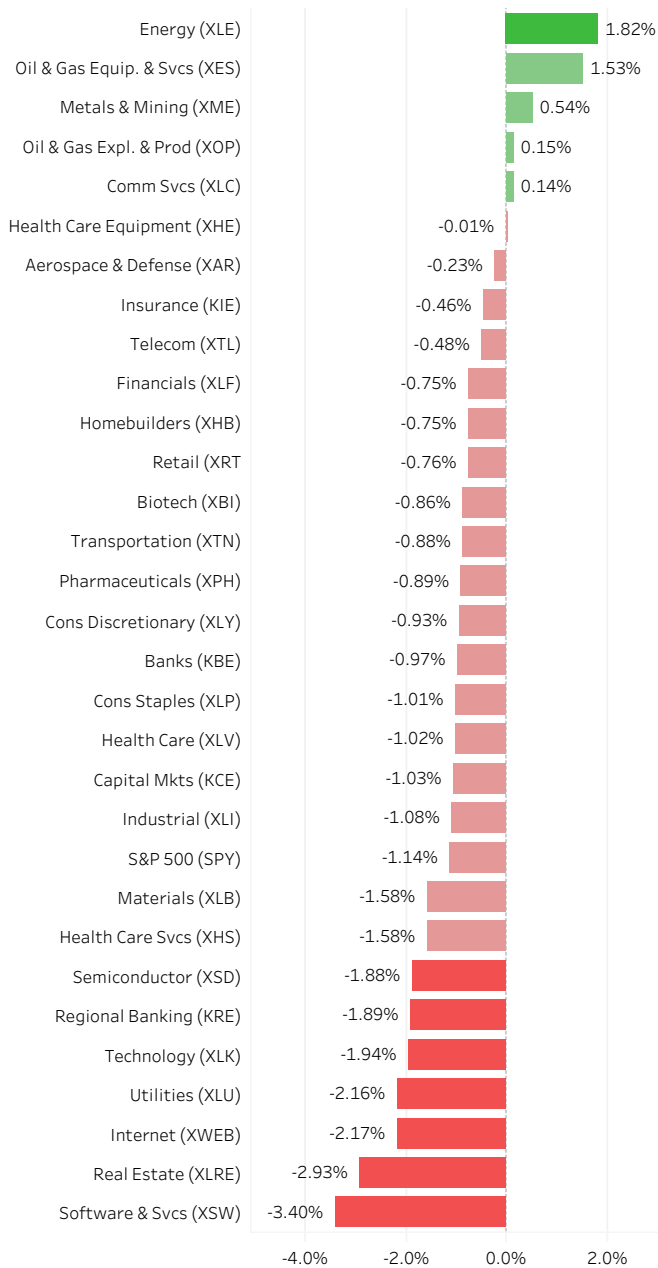
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SCHD	Schwab US Dividend Equity ETF	\$0.20B	\$4.45B	\$8.09B	\$15.35B	\$45.23B
VTI	Vanguard Total Stock Market ETF	\$0.19B	\$5.94B	\$13.45B	\$25.52B	\$262.39B
VTV	Vanguard Value ETF	\$0.17B	(\$3.50B)	(\$1.63B)	\$10.77B	\$100.21B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.15B	(\$0.27B)	(\$1.67B)	(\$1.95B)	\$17.81B
COWZ	Pacer US Cash Cows 100 ETF	\$0.11B	\$2.54B	\$4.09B	\$9.38B	\$10.39B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.10B	(\$0.76B)	(\$1.89B)	\$2.22B	\$39.45B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	\$0.10B	\$0.10B	\$0.13B	\$0.10B	\$3.07B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.09B	(\$1.63B)	(\$1.62B)	(\$0.55B)	\$19.74B
IWB	iShares Russell 1000 ETF	\$0.08B	\$0.96B	\$1.06B	\$1.46B	\$27.72B
VUG	Vanguard Growth ETF	\$0.08B	\$2.24B	\$4.41B	\$9.27B	\$68.19B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.14B)	\$6.22B	\$8.00B	(\$17.22B)	\$356.82B
IWM	iShares Russell 2000 ETF	(\$0.99B)	\$0.77B	(\$0.31B)	(\$2.88B)	\$51.87B
IWD	iShares Russell 1000 Value ETF	(\$0.38B)	\$1.02B	\$0.64B	(\$0.15B)	\$54.53B
IVV	iShares Core S&P 500 ETF	(\$0.33B)	\$1.09B	\$6.81B	\$19.71B	\$290.18B
VYM	Vanguard High Dividend Yield Index ETF	(\$0.32B)	\$0.90B	\$2.69B	\$8.51B	\$50.22B
QQQ	Invesco QQQ Trust	(\$0.32B)	(\$1.42B)	(\$1.06B)	\$0.30B	\$144.78B
IWF	iShares Russell 1000 Growth ETF	(\$0.27B)	\$2.93B	\$3.12B	\$3.26B	\$58.88B
VIG	Vanguard Dividend Appreciation ETF	(\$0.19B)	\$1.43B	\$1.73B	\$3.53B	\$65.61B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.10B)	\$0.37B	\$1.00B	\$1.14B	\$29.50B
XVV	iShares ESG Screened S&P 500 ETF	(\$0.10B)	(\$0.09B)	(\$0.08B)	(\$0.24B)	\$0.13B

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLV	Health Care Select Sector SPDR Fund	-5.88%	12.13%	-0.77%	2.70%	43.27
XLI	Industrial Select Sector SPDR Fund	-6.20%	18.57%	-0.37%	4.54%	48.55
XLP	Consumer Staples Select Sector SPDR Fund	-8.39%	10.99%	-1.17%	0.07%	41.08
XLE	Energy Select Sector SPDR Fund	-8.66%	37.60%	-3.03%	5.98%	48.06
XLU	Utilities Select Sector SPDR Fund	-10.91%	13.13%	-0.08%	-2.30%	44.62
XLB	Materials Select Sector SPDR Fund	-14.19%	15.42%	-1.95%	-1.10%	44.32
XLF	Financial Select Sector SPDR Fund	-15.67%	14.26%	-0.28%	2.32%	53.48
SPY	SPDR S&P 500 ETF Trust	-17.80%	6.40%	-2.71%	-4.36%	42.42
XLK	Technology Select Sector SPDR Fund	-26.14%	3.96%	-5.75%	-9.56%	37.01
XLRE	Real Estate Select Sector SPDR Fund	-27.25%	9.00%	-2.17%	-10.34%	44.81
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.63%	2.20%	-6.12%	-14.32%	39.22
XLC	Communication Services Select Sector SPDR Fund	-34.82%	9.21%	1.60%	-9.19%	56.74

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
MLPA	Global X MLP ETF	1.99%
PXJ	Invesco Dynamic Oil & Gas Services ETF	1.86%
XLE	Energy Select Sector SPDR Fund	1.82%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.77%
VDE	Vanguard Energy ETF	1.67%
FENY	Fidelity MSCI Energy Index ETF	1.66%
IYE	iShares U.S. Energy ETF	1.61%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.53%
AMZA	InfraCap MLP ETF	1.52%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	1.42%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	59.66
IYZ	iShares U.S. Telecommunications ETF	59.32
IHI	iShares U.S. Medical Devices ETF	57.56
XAR	SPDR S&P Aerospace & Defense ETF	57.50
XLC	Communication Services Select Sector SPDR Fund	56.74
XHE	SPDR S&P Health Care Equipment ETF	56.51
KBWP	Invesco KBW Property & Casualty Insurance ETF	56.49
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ..	56.45
PJP	Invesco Dynamic Pharmaceuticals ETF	56.42
FXD	First Trust Consumer Discretionary AlphaDEX Fund	56.22

Sector & Industry 1 Day Performance Laggards

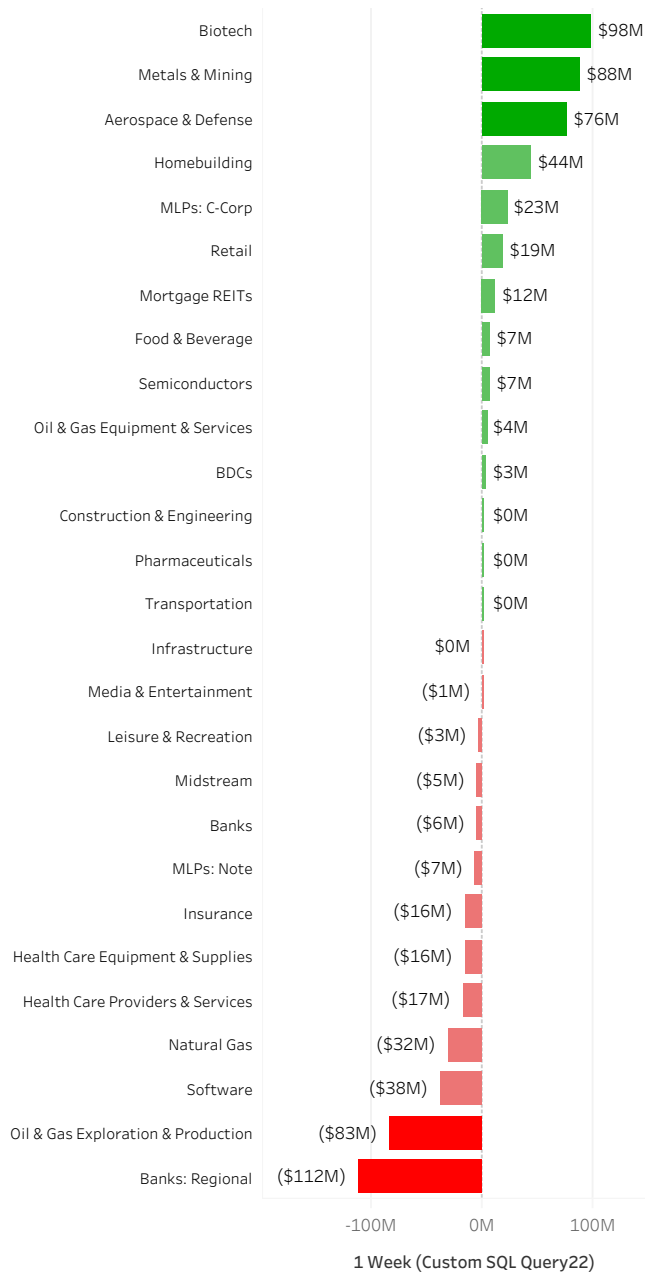
Ticker	Fund	1 Day Performance
XSW	SPDR S&P Software & Services ETF	-3.40%
IGV	iShares Expanded Tech-Software Sector ETF	-3.22%
XLRE	Real Estate Select Sector SPDR Fund	-2.93%
ICF	iShares Cohen & Steers REIT ETF	-2.92%
NURE	Nuveen Short-Term REIT ETF	-2.88%
PPTY	US Diversified Real Estate ETF	-2.86%
RWR	SPDR Dow Jones REIT ETF	-2.85%
PSR	Invesco Active U.S. Real Estate Fund	-2.78%
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	-2.77%
FREL	Fidelity MSCI Real Estate Index ETF	-2.75%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHF	iShares U.S. Healthcare Providers ETF	29.88
QABA	First Trust NASDAQ ABA Community Bank Index Fund	35.60
PSL	Invesco DWA Consumer Staples Momentum ETF	35.70
FXG	First Trust Consumer Staples AlphaDEX Fund	36.60
PRN	Invesco DWA Industrials Momentum ETF	36.92
FCG	First Trust Natural Gas ETF	36.96
NURE	Nuveen Short-Term REIT ETF	36.97
PXI	Invesco DWA Energy Momentum ETF	36.99
XLK	Technology Select Sector SPDR Fund	37.01
FTXG	First Trust Nasdaq Food & Beverage ETF	37.48

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U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$12B	\$7M	\$242M	(\$262M)	(\$1,211M)
Consumer Discretionary	12	\$19B	\$109M	(\$666M)	(\$1,001M)	(\$6,296M)
Consumer Staples	10	\$30B	\$90M	\$1,726M	\$2,684M	\$7,949M
Energy	32	\$77B	(\$545M)	\$594M	(\$228M)	(\$1,296M)
Financials	26	\$59B	\$192M	\$568M	(\$261M)	(\$14,122M)
Health Care	23	\$97B	\$126M	\$3,281M	\$3,057M	\$10,627M
Industrial	13	\$30B	\$344M	\$1,196M	\$480M	(\$2,538M)
Materials	9	\$13B	\$95M	(\$233M)	(\$2,237M)	(\$1,802M)
Multi-Sector	19	\$13B	\$18M	(\$397M)	(\$2,013M)	(\$6,926M)
Real Estate	25	\$60B	\$24M	\$356M	(\$1,238M)	(\$5,181M)
Technology	23	\$110B	(\$32M)	\$2,322M	\$1,354M	(\$263M)
Utilities	9	\$26B	\$170M	(\$549M)	\$977M	\$5,938M

U.S. Sector & Industry Flow Leaders

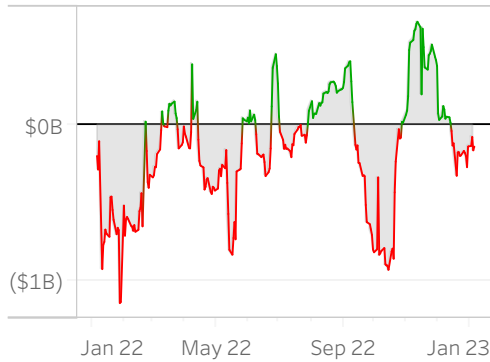
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$343M	\$1,202M	\$804M	(\$7,944M)	\$32,294M
XLI	Industrial Select Sector SPDR Fund	\$254M	\$448M	\$35M	(\$2,968M)	\$13,814M
XLU	Utilities Select Sector SPDR Fund	\$181M	(\$372M)	\$566M	\$4,284M	\$16,641M
XLK	Technology Select Sector SPDR Fund	\$136M	\$849M	\$1,071M	\$1,334M	\$37,954M
XBI	SPDR S&P BIOTECH ETF	\$128M	\$1,115M	\$379M	\$3,189M	\$8,245M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$99M	(\$466M)	(\$383M)	(\$2,487M)	\$12,792M
XME	SPDR S&P Metals & Mining ETF	\$88M	\$196M	(\$169M)	(\$10M)	\$2,026M
VNQ	Vanguard Real Estate ETF	\$75M	(\$211M)	(\$1,208M)	(\$2,467M)	\$34,159M
XHB	SPDR S&P Homebuilders ETF	\$71M	(\$92M)	(\$143M)	(\$966M)	\$877M
VHT	Vanguard Health Care ETF	\$68M	\$366M	\$564M	\$960M	\$17,348M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$406M)	(\$525M)	(\$82M)	(\$2,083M)	\$39,045M
KRE	SPDR S&P Regional Banking ETF	(\$110M)	(\$502M)	(\$428M)	(\$1,944M)	\$2,587M
VGT	Vanguard Information Technology ETF	(\$103M)	\$654M	(\$165M)	\$29M	\$39,110M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$79M)	\$393M	\$22M	(\$687M)	\$4,424M
IYR	iShares U.S. Real Estate ETF	(\$61M)	\$445M	(\$112M)	(\$2,224M)	\$3,858M
IGV	iShares Expanded Tech-Software Sector ETF	(\$38M)	(\$387M)	\$143M	\$938M	\$4,429M
PXI	Invesco DWA Energy Momentum ETF	(\$37M)	\$2M	(\$17M)	\$26M	\$203M
IBB	iShares Biotechnology ETF	(\$33M)	\$569M	\$117M	\$210M	\$8,736M
KBWB	Invesco KBW Bank ETF	(\$33M)	(\$190M)	\$69M	(\$301M)	\$1,769M
FCG	First Trust Natural Gas ETF	(\$32M)	(\$29M)	\$144M	\$276M	\$814M

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

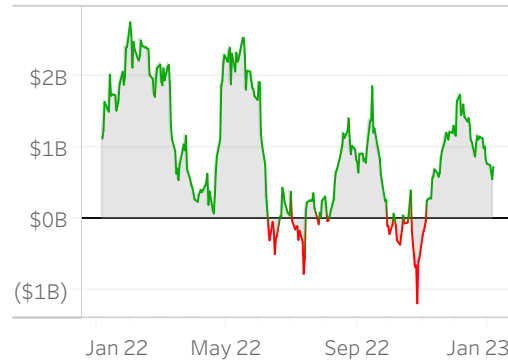
Communication Services



Consumer Discretionary



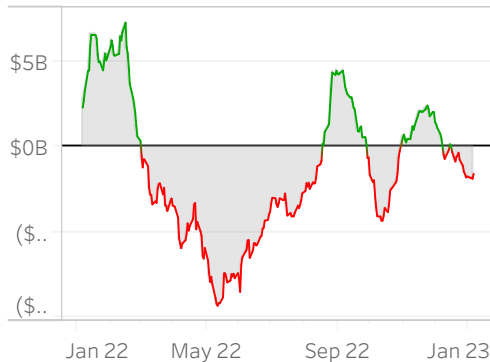
Consumer Staples



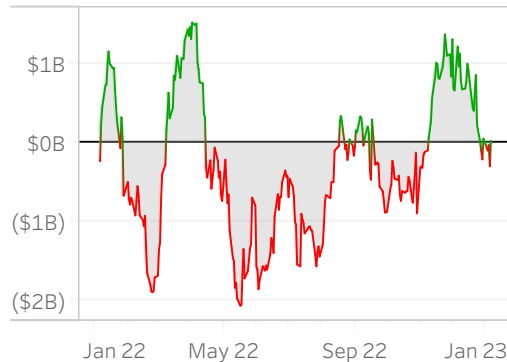
Energy



Financials



Industrial



Health Care



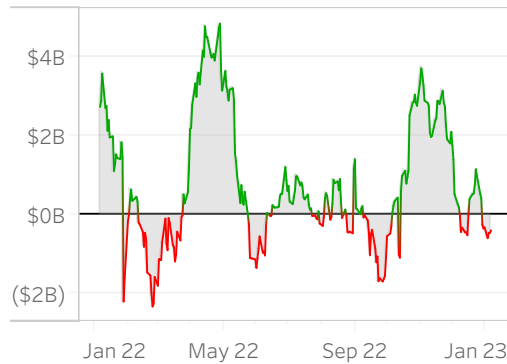
Materials



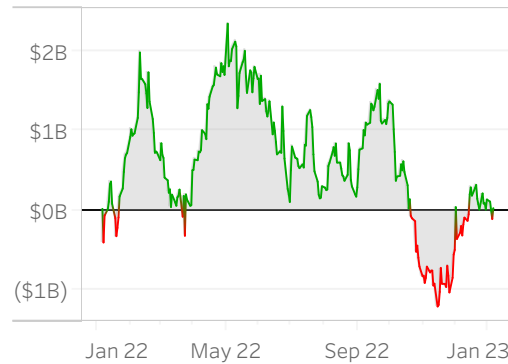
Real Estate



Technology



Utilities

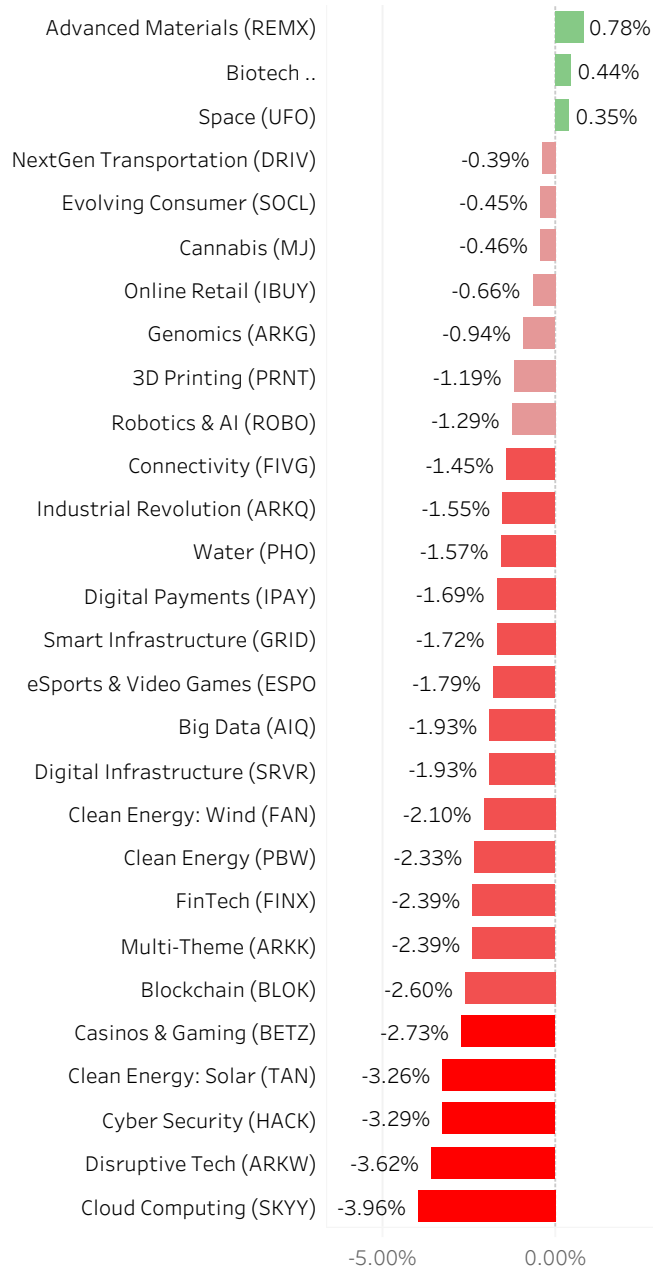


Multi-Sector

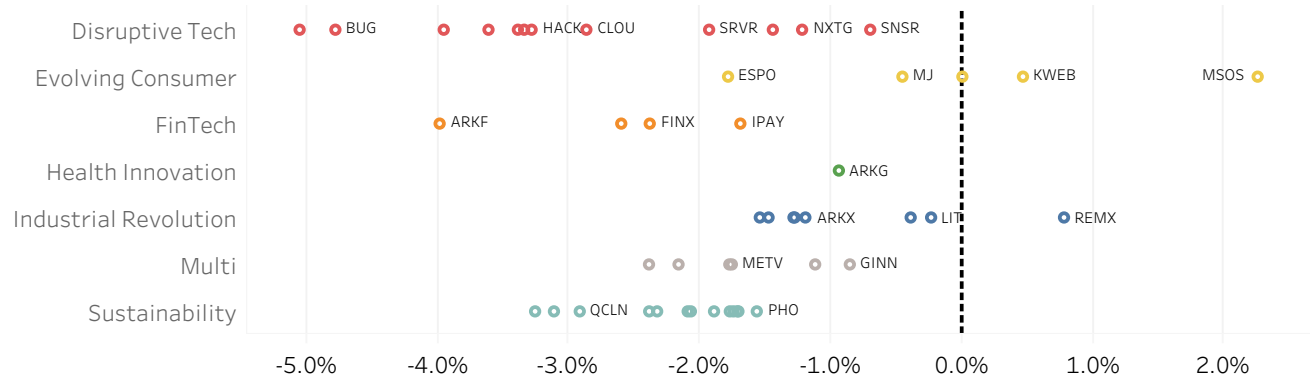


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	2.25%
BTEC	Principal Healthcare Innovators ETF	1.26%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.06%
REMX	VanEck Rare Earth/Strategic Metals ETF	0.78%
KWEB	KraneShares CSI China Internet ETF	0.46%
SBIO	ALPS Medical Breakthroughs ETF	0.44%
UFO	Procure Space ETF	0.35%
AWAY	ETFMG Travel Tech ETF	0.00%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	0.00%
MJUS	ETFMG U.S. Alternative Harvest ETF	0.00%

Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	70.04
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	68.10
SOCL	Global X Social Media ETF	66.03
AWAY	ETFMG Travel Tech ETF	62.32
KGRN	KraneShares MSCI China Clean Technology Index ETF	59.70
LEGR	First Trust Indxx Innovative Transaction & Process ETF	58.10
HERO	Global X Video Games & Esports ETF	57.38
GAMR	Wedbush ETFMG Video Game Tech ETF Wedbush ETFMG V..	54.64
UFO	Procure Space ETF	54.32
BJK	VanEck Gaming ETF	54.18

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
WCLD	WisdomTree Cloud Computing Fund	-5.06%
BUG	Global X Cybersecurity ETF	-4.78%
ARKF	ARK Fintech Innovation ETF	-3.99%
SKYY	First Trust Cloud Computing ETF	-3.96%
ARKW	ARK Next Generation Internet ETF	-3.62%
CIBR	First Trust NASDAQ Cybersecurity ETF	-3.39%
IHAK	iShares Cybersecurity & Tech ETF	-3.34%
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Secu..	-3.29%
TAN	Invesco Solar ETF	-3.26%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-3.18%

Thematic Most Oversold

Ticker	Fund	Price
BUG	Global X Cybersecurity ETF	30.24
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	30.62
LIT	Global X Lithium & Battery Tech ETF	30.98
ACES	ALPS Clean Energy ETF	32.43
BATT	Amplify Lithium & Battery Technology ETF	35.47
TAN	Invesco Solar ETF	35.48
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Securit..	36.22
CIBR	First Trust NASDAQ Cybersecurity ETF	36.28
CTEC	Global X CleanTech ETF	36.60
IHAK	iShares Cybersecurity & Tech ETF	36.65

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$31M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$9M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$8M
TMAT	Main Thematic Innovation ETF	\$7M
WCLD	WisdomTree Cloud Computing Fund	\$6M
ARKX	ARK Space Exploration & Innovation ETF	\$6M
TIME	Clockwise Capital Innovation ETF	\$5M
ONLN	ProShares Online Retail ETF	\$5M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$2M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$2M

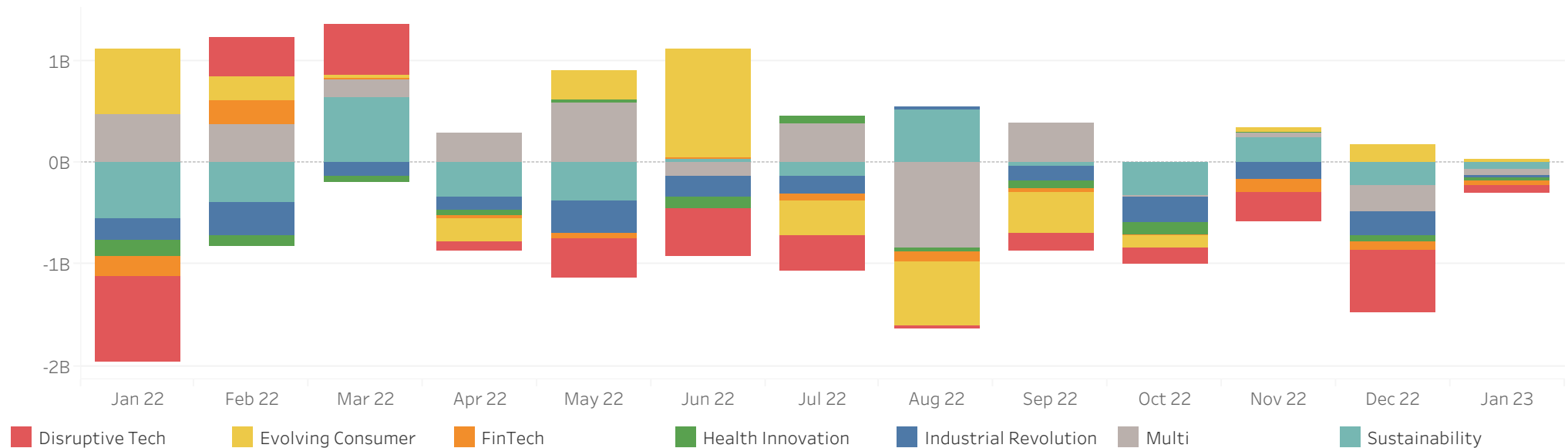
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$113M)
ICLN	iShares Global Clean Energy ETF	(\$57M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$33M)
BUG	Global X Cybersecurity ETF	(\$31M)
ARKG	ARK Genomic Revolution ETF	(\$20M)
PBW	Invesco WilderHill Clean Energy ETF	(\$18M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$15M)
FINX	Global X FinTech ETF	(\$15M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$12M)
TAN	Invesco Solar ETF	(\$12M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$78M)	(\$1,165M)	(\$1,628M)	(\$2,557M)
Evolving Consumer	46	\$11B	\$33M	\$157M	(\$1,352M)	\$796M
FinTech	21	\$2B	(\$43M)	(\$252M)	(\$465M)	(\$510M)
Health Innovation	19	\$3B	(\$21M)	(\$188M)	(\$304M)	(\$719M)
Industrial Revolution	32	\$10B	(\$22M)	(\$653M)	(\$913M)	(\$2,289M)
Multi	41	\$12B	(\$60M)	(\$308M)	(\$620M)	\$1,418M
Sustainability	40	\$17B	(\$72M)	(\$386M)	\$42M	(\$1,015M)
Grand Total	234	\$70B	(\$262M)	(\$2,794M)	(\$5,241M)	(\$4,877M)

Thematic Monthly Flows

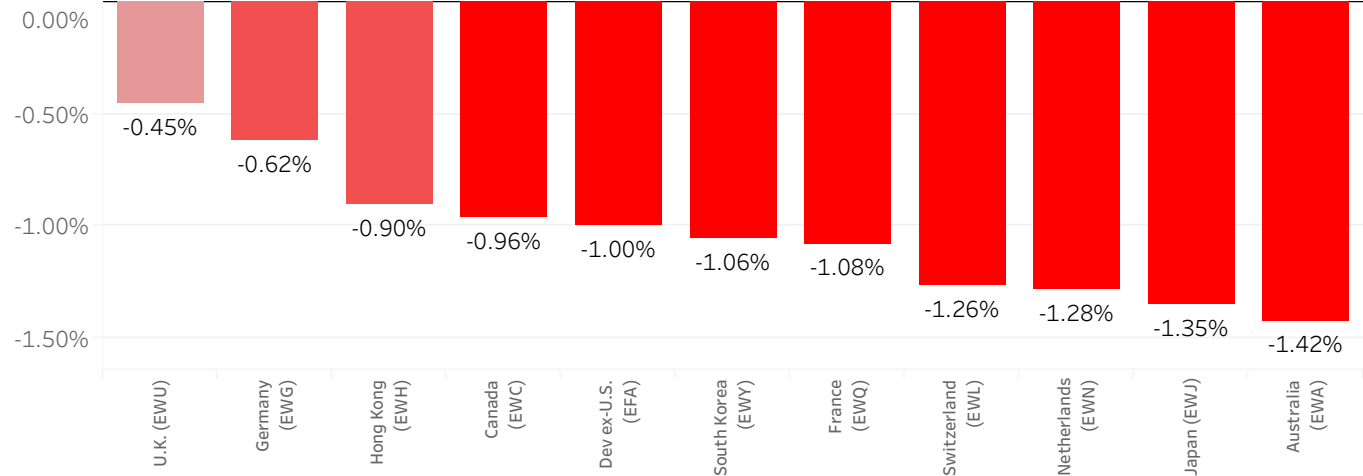


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



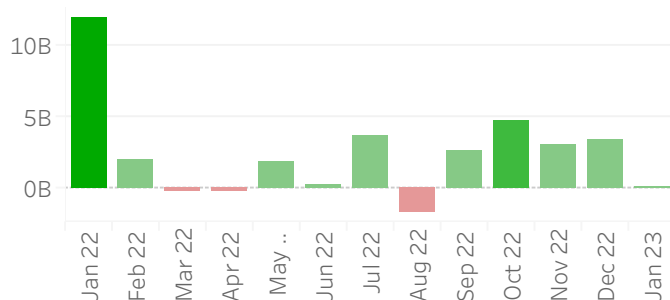
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MINV	Matthews Asia Innovators Active ETF	0.56%
EWS	iShares MSCI Singapore ETF	0.42%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.18%
LVHI	Franklin International Low Volatility High Dividend Index ETF	0.15%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.03%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.07%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-0.15%
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	-0.17%
GREK	Global X MSCI Greece ETF	-0.18%
HEFA	iShares Currency Hedged MSCI EAFE ETF	-0.22%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
MINV	Matthews Asia Innovators Active ETF	66.76
AIA	iShares Asia 50 ETF	65.75
EWSP	iShares MSCI Spain ETF	65.71
EWK	iShares MSCI Hong Kong ETF	65.35
EIRL	iShares MSCI Ireland ETF	65.07
HEDJ	WisdomTree Europe Hedged Equity Fund	63.17
AAXJ	iShares MSCI All Country Asia ex Japan ETF	62.61
EWG	iShares MSCI Germany ETF	62.35
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	62.28
FDD	First Trust Stoxx European Select Dividend Index Fund	61.29

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-2.15%
FSZ	First Trust Switzerland AlphaDEX Fund	-2.09%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	-1.81%
EWJV	iShares MSCI Japan Value ETF	-1.57%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.53%
SCJ	iShares MSCI Japan Small-Cap ETF	-1.47%
GWX	SPDR S&P International Small Cap ETF	-1.45%
EWA	iShares MSCI Australia ETF	-1.42%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.39%
JPN	iShares JPX-Nikkei 400 ETF	-1.36%

Developed ex-U.S. Most Oversold

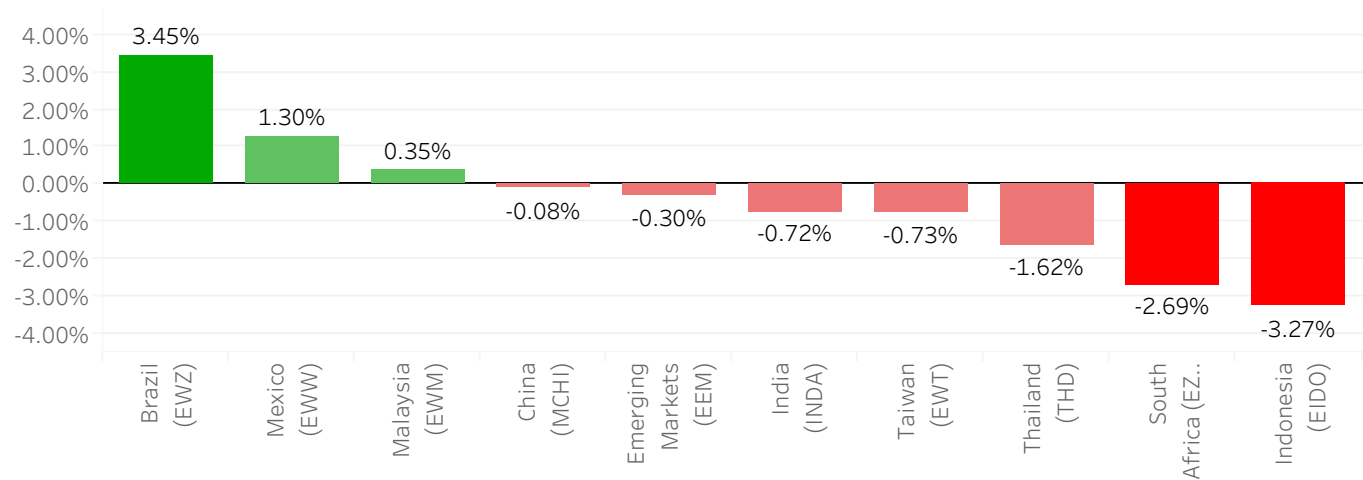
Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	17.62
IVAL	Alpha Architect International Quantitative Value ETF	25.43
IMOM	Alpha Architect International Quantitative Momentum	27.28
DXJ	WisdomTree Japan Hedged Equity Fund	30.31
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	33.26
NORW	Global X MSCI Norway ETF	35.40
EIS	iShares MSCI Israel ETF	36.49
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	37.43
BBJP	JPMorgan BetaBuilders Japan ETF	37.74
FJP	First Trust Japan AlphaDEX Fund	39.51

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Emerging (EEM)



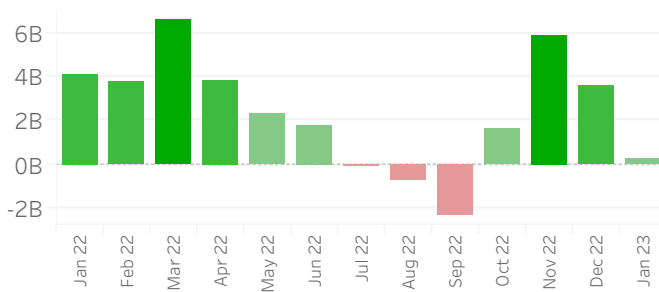
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
FLBR	Franklin FTSE Brazil ETF	3.64%
EWZ	iShares MSCI Brazil ETF	3.45%
FLN	First Trust Latin America AlphaDEX Fund	2.86%
ILF	iShares Latin America 40 ETF	2.75%
FBZ	First Trust Brazil AlphaDEX Fund	2.69%
FLLA	Franklin FTSE Latin America ETF	2.56%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.18%
QAT	iShares MSCI Qatar ETF	1.86%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	1.85%
PGJ	Invesco Golden Dragon China ETF	1.62%

Emerging Most Overbought

Ticker	Fund	Price
PGJ	Invesco Golden Dragon China ETF	69.98
MCHI	iShares MSCI China ETF	69.09
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	68.35
FXI	iShares China Large-Cap ETF	68.01
FLCH	Franklin FTSE China ETF	68.00
FNI	First Trust Chindia ETF	67.87
GXC	SPDR S&P China ETF	67.82
BKF	iShares MSCI BIC ETF	66.39
ECNS	iShares MSCI China Small-Cap ETF	66.22
EPHE	iShares MSCI Philippines ETF	64.79

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-7.88%
EIDO	iShares MSCI Indonesia ETF	-3.27%
EZA	iShares MSCI South Africa ETF	-2.69%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-2.62%
PIE	Invesco DWA Emerging Markets Momentum ETF	-2.13%
LDEM	iShares ESG MSCI EM Leaders ETF	-1.88%
FEM	First Trust Emerging Markets AlphaDEX Fund	-1.86%
EPOL	iShares MSCI Poland ETF	-1.73%
THD	iShares MSCI Thailand ETF	-1.62%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	-1.42%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	25.44
EIDO	iShares MSCI Indonesia ETF	32.42
EWT	iShares MSCI Taiwan ETF	35.59
INDY	iShares India 50 ETF	36.72
NFTY	First Trust India NIFTY 50 Equal Weight ETF	39.10
INDA	iShares MSCI India ETF	40.56
FLIN	Franklin FTSE India ETF	41.36
GLIN	VanEck India Growth Leaders ETF	42.57
EWZS	iShares MSCI Brazil Small-Cap ETF	42.83
EWZ	iShares MSCI Brazil ETF	43.38

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average ■ 50 Day Moving Average ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.08%	-0.27%	1.06%
SHY	1-3 Year Treasury Bonds	-0.14%	0.26%	0.05%
IEF	7-10 Year Treasury Bonds	-0.14%	-0.37%	1.41%
TLT	20+ Year Treasury Bonds	0.42%	-1.95%	3.74%
TIP	TIPS Bonds	0.03%	-1.64%	0.45%
FLOT	Floating Rate Bonds	0.07%	0.81%	0.13%
LQD	Investment Grade Corporate	-0.07%	-1.21%	1.35%
HYG	High Yield Corporate	-0.20%	0.03%	1.14%
BKLN	Senior Loan	0.10%	0.37%	1.07%
PFF	Preferred & Income Securities	0.41%	-0.16%	3.05%
MUB	Municipal Bonds	-0.04%	0.24%	0.65%
MBB	MBS	-0.20%	0.06%	0.94%
EMB	Dollar Denominated EM Bonds	-0.91%	-0.62%	0.74%
LEMB	Local Currency EM Bond	-0.17%	0.78%	0.03%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.15%	-3.39%	-5.40%
DBE	Energy	-0.52%	-6.09%	-7.23%
USO	WTI Crude Oil	0.75%	-4.34%	-7.60%
BNO	Brent Crude Oil	0.74%	-5.48%	-8.49%
UNG	Natural Gas	-9.60%	-30.06%	-15.18%
UGA	Gasoline	-0.13%	2.07%	-8.84%
DBP	Precious Metals	-1.42%	3.53%	-0.29%
GLD	Gold	-1.25%	3.73%	0.52%
SLV	Silver	-2.28%	4.65%	-2.86%
PPLT	abrdn Physical Platin..	-1.79%	6.16%	-1.03%
PALL	abrdn Physical Palla..	-2.78%	-7.00%	-2.12%
DBB	Base Metals	0.84%	-3.60%	-0.77%
CPER	Copper	2.29%	1.36%	0.39%
LD	Lead	-2.40%	2.71%	-3.52%
JJN	Nickel	-4.69%	-1.56%	-6.86%
JJU	Aluminum	-0.35%	-9.70%	-5.97%
JJT	Tin	-1.04%	2.04%	-0.91%
DBA	Agriculture	-0.25%	-0.17%	-2.53%
CORN	Corn	-0.69%	1.09%	-3.71%
SOYB	Soybeans	-0.61%	1.47%	-2.95%
WEAT	Wheat	0.00%	0.40%	-5.39%
CANE	Sugar	-0.69%	-0.60%	-2.50%
BAL	Cotton	2.98%	-0.78%	-0.62%
NIB	Cocoa	0.51%	6.96%	1.23%
JO	Coffee	-0.41%	-1.89%	-4.55%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.93%	0.21%	1.65%
UDN	Short Dollar	-0.87%	0.15%	-1.57%
FXE	Euro	-0.72%	0.41%	-1.70%
FXB	British Pound Sterling	-1.16%	-1.99%	-1.31%
FXF	Swiss Franc	-0.65%	0.76%	-1.26%
FXJ	Japanese Yen	-0.55%	2.61%	-1.59%
FXC	Canadian Dollar	-0.69%	0.25%	-0.28%
FXA	Australian Dollar	-1.30%	0.91%	-0.88%

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