

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

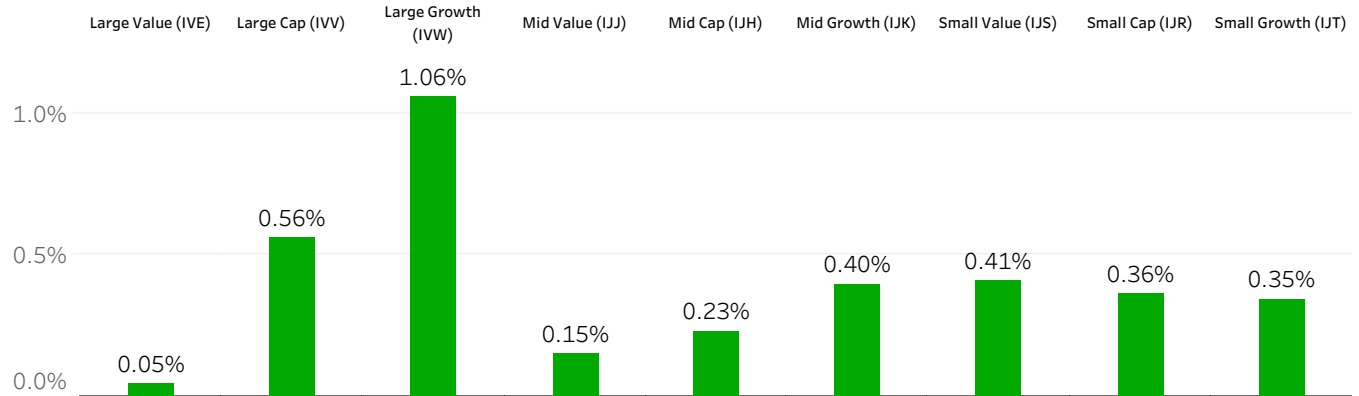


Small Cap Blend (S&P 600) IJR



■ 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
TMFS	Motley Fool Small-Cap Growth ETF	1.38%
MGK	Vanguard Mega Cap Growth ETF	1.15%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.14%
PWB	Invesco Large Cap Growth ETF	1.14%
WINN	Harbor Long-Term Growers ETF	1.11%
IWY	iShares Russell Top 200 Growth ETF	1.09%
VUG	Vanguard Growth ETF	1.08%
IVW	iShares S&P 500 Growth ETF	1.06%
TMFC	Motley Fool 100 Index ETF	1.05%
IWF	iShares Russell 1000 Growth ETF	1.03%

Size & Style Most Overbought

Ticker	Fund	Price
SIXA	ETC 6 Meridian Mega Cap Equity ETF	75.05
SPMO	Invesco S&P 500 Momentum ETF	71.55
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	68.78
QLV	FlexShares US Quality Low Volatility Index Fund	68.29
USMC	Principal U.S. Mega-Cap ETF	67.60
SHE	SPDR MSCI USA Gender Diversity ETF	67.59
USMF	WisdomTree U.S. Multifactor Fund	67.34
DIA	SPDR Dow Jones Industrial Average ETF Trust	67.17
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	67.07
MBCC	Monarch Blue Chips Core ETF	66.81

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DIVZ	TrueShares Low Volatility Equity Income ETF	-0.49%
QVAL	Alpha Architect US Quantitative Value ETF	-0.46%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	-0.39%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.37%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.34%
FDL	First Trust Morningstar Dividend Leaders Index Fund	-0.33%
HDV	iShares Core High Dividend ETF	-0.33%
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd.	-0.31%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-0.30%
DIV	Global X SuperDividend US ETF	-0.29%

Size & Style Most Oversold

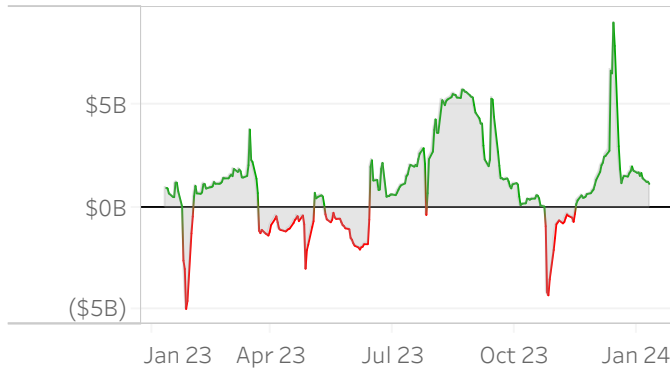
Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	25.75
CSF	VictoryShares US Discovery Enhanced Volatility Wtd.	38.67
FDM	First Trust Dow Jones Select MicroCap Index Fund	44.24
MGMT	Ballast Small/Mid Cap ETF	45.34
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	45.39
XSVM	Invesco S&P SmallCap Value with Momentum ETF	47.34
SPGP	Invesco S&P 500 GARP ETF	47.37
SIXS	ETC 6 Meridian Small Cap Equity ETF	47.69
CSB	VictoryShares US Small Cap High Dividend Volatility ..	47.89
EES	WisdomTree U.S. SmallCap Fund	48.42

\*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, Beta	26	\$1,672B	(\$1.99B)	\$89.35B	\$111.27B	\$156.64B
Large Cap, Beta, Beta: Growth	10	\$316B	(\$0.98B)	\$7.50B	\$12.46B	\$16.53B
Large Cap, Beta, Beta: Value	11	\$241B	(\$0.98B)	\$4.78B	\$6.03B	(\$1.51B)
Mid Cap, Beta, Beta	10	\$208B	(\$0.06B)	\$0.13B	\$6.11B	\$7.58B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.05B)	\$0.83B	\$0.76B	\$1.07B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.11B)	(\$0.07B)	(\$0.58B)	(\$2.24B)
Small Cap, Beta, Beta	11	\$226B	(\$1.53B)	\$13.51B	\$15.77B	\$20.34B
Small Cap, Beta, Beta: Growth	7	\$36B	\$0.02B	\$1.41B	\$1.48B	\$1.19B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.02B)	\$1.17B	\$0.46B	(\$0.65B)

U.S. Size & Style Flow Leaders

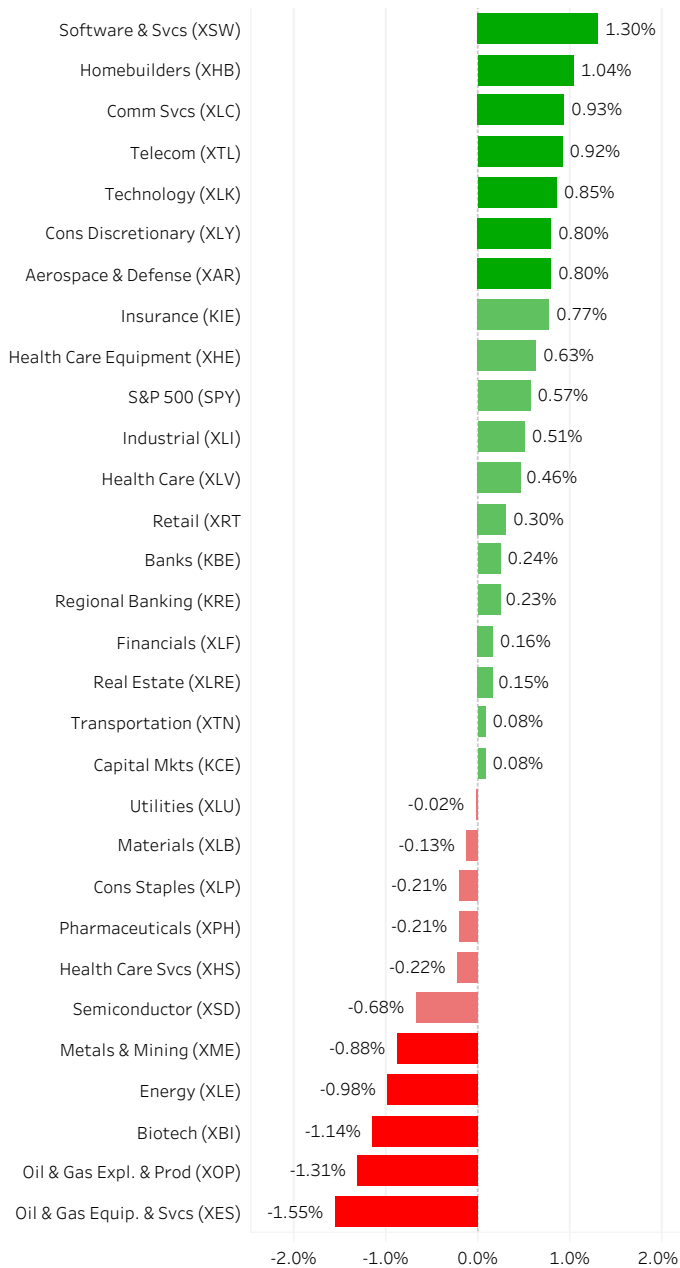
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$4.41B	\$13.66B	\$24.92B	\$45.59B	\$375.16B
VTI	Vanguard Total Stock Market ETF	\$0.68B	\$7.95B	\$14.01B	\$22.40B	\$347.10B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.47B	\$1.65B	\$0.98B	(\$0.12B)	\$32.93B
IJR	iShares Core S&P Small Cap ETF	\$0.38B	\$1.48B	\$2.27B	\$3.38B	\$75.12B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.35B	\$6.22B	\$8.33B	\$13.51B	\$50.28B
QQQM	Invesco NASDAQ 100 ETF	\$0.31B	\$2.20B	\$3.48B	\$8.71B	\$18.75B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.28B	\$4.41B	\$5.61B	\$7.46B	\$26.13B
SPTM	SPDR Portfolio S&P 1500 Composite Stock Ma..	\$0.22B	\$0.44B	\$0.63B	\$0.87B	\$7.67B
COWZ	Pacer US Cash Cows 100 ETF	\$0.20B	\$2.40B	\$3.99B	\$6.46B	\$18.54B
SPHQ	Invesco S&P 500 Quality ETF	\$0.17B	\$0.43B	\$1.08B	\$2.19B	\$6.94B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.90B)	\$8.68B	\$8.38B	\$7.40B	\$64.55B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	(\$1.71B)	\$0.39B	\$0.93B	\$2.82B	\$5.48B
IWD	iShares Russell 1000 Value ETF	(\$0.96B)	\$0.95B	\$0.16B	(\$4.21B)	\$53.43B
IWF	iShares Russell 1000 Growth ETF	(\$0.68B)	\$1.37B	\$1.70B	(\$1.00B)	\$80.28B
VIG	Vanguard Dividend Appreciation ETF	(\$0.37B)	\$0.74B	\$0.89B	\$0.47B	\$73.18B
IWY	iShares Russell Top 200 Growth ETF	(\$0.16B)	\$0.49B	\$0.11B	\$1.27B	\$7.98B
VTV	Vanguard Value ETF	(\$0.16B)	(\$0.28B)	\$1.08B	\$0.10B	\$106.16B
FDLO	Fidelity Low Volatility Factor ETF	(\$0.15B)	\$0.34B	\$0.39B	\$0.41B	\$0.98B
HDV	iShares Core High Dividend ETF	(\$0.14B)	(\$0.44B)	(\$0.51B)	(\$2.67B)	\$10.19B
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	(\$0.12B)	\$0.00B	\$0.04B	\$0.15B	\$0.38B

\* 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)
XLC	Communication Services Select Sector SPDR Fund	0.00%	41.01%	4.29%	11.81%	67.32
XLV	Health Care Select Sector SPDR Fund	0.00%	14.48%	6.33%	6.89%	78.51
SPY	SPDR S&P 500 ETF Trust	-0.03%	23.67%	3.68%	8.62%	63.97
XLF	Financial Select Sector SPDR Fund	-0.47%	22.05%	4.82%	10.88%	64.45
XLK	Technology Select Sector SPDR Fund	-1.25%	42.29%	2.79%	11.94%	57.37
XLI	Industrial Select Sector SPDR Fund	-1.53%	16.53%	3.55%	7.37%	57.33
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.81%	27.58%	2.74%	7.86%	53.44
XLB	Materials Select Sector SPDR Fund	-3.00%	12.30%	1.69%	3.56%	47.13
XLRE	Real Estate Select Sector SPDR Fund	-5.31%	23.05%	4.92%	7.80%	56.06
XLP	Consumer Staples Select Sector SPDR Fund	-6.35%	9.60%	2.69%	0.15%	61.05
XLU	Utilities Select Sector SPDR Fund	-7.87%	14.72%	2.47%	0.30%	58.28
XLE	Energy Select Sector SPDR Fund	-12.65%	6.48%	-3.08%	-3.78%	37.21

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IHI	iShares U.S. Medical Devices ETF	1.67%
ITB	iShares U.S. Home Construction ETF	1.64%
PKB	Invesco Building & Construction ETF	1.49%
IGV	iShares Expanded Tech-Software Sector ETF	1.37%
XSW	SPDR S&P Software & Services ETF	1.30%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	1.28%
MORT	VanEck Mortgage REIT Income ETF	1.11%
PEZ	Invesco Dorsey Wright Consumer Cyclical Momen..	1.09%
XHB	SPDR S&P Homebuilders ETF	1.04%
PNQI	Invesco NASDAQ Internet ETF	1.04%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLV	Health Care Select Sector SPDR Fund	78.51
IYH	iShares U.S. Healthcare ETF	77.92
IHE	iShares U.S. Pharmaceuticals ETF	77.81
VHT	Vanguard Health Care ETF	77.29
FHLC	Fidelity MSCI Health Care Index ETF	76.59
PINK	Simplify Health Care ETF	76.40
XPH	SPDR S&P Pharmaceuticals ETF	73.11
IHI	iShares U.S. Medical Devices ETF	72.47
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	70.57
XBI	SPDR S&P BIOTECH ETF	67.47

## Sector & Industry 1 Day Performance Laggards

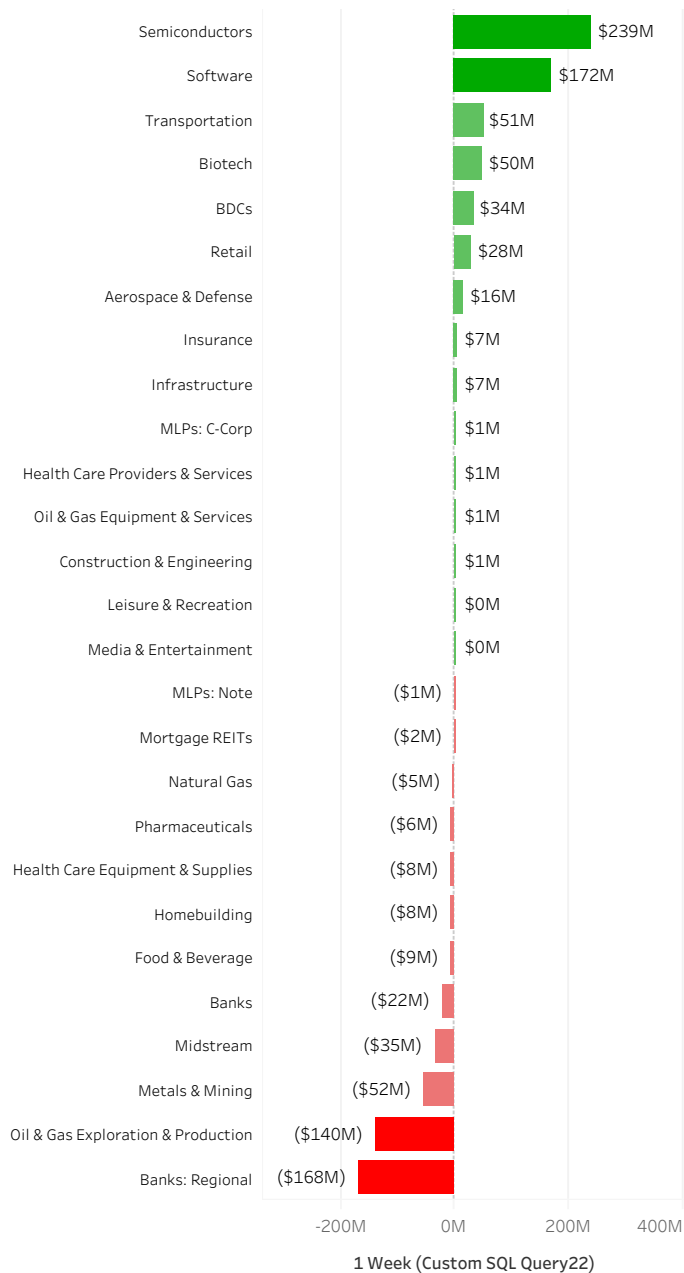
Ticker	Fund	1 Day Performance
PXI	Invesco Dorsey Wright Energy Momentum ETF	-1.80%
PXJ	Invesco Oil & Gas Services ETF	-1.63%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.55%
PSCE	Invesco S&P SmallCap Energy ETF	-1.52%
PXE	Invesco Energy Exploration & Production ETF	-1.45%
FXN	First Trust Energy AlphaDEX Fund	-1.34%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-1.31%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.28%
PBE	Invesco Biotechnology & Genome ETF	-1.26%
IEZ	iShares U.S. Oil Equipment & Services ETF	-1.22%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IEZ	iShares U.S. Oil Equipment & Services ETF	31.88
XES	SPDR S&P Oil & Gas Equipment & Services ETF	33.58
PSCE	Invesco S&P SmallCap Energy ETF	34.50
VDE	Vanguard Energy ETF	36.64
RSPG	Invesco S&P 500 Equal Weight Energy ETF	36.84
FTXN	First Trust Nasdaq Oil & Gas ETF	37.05
XLE	Energy Select Sector SPDR Fund	37.21
IYE	iShares U.S. Energy ETF	37.23
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	37.29
FENY	Fidelity MSCI Energy Index ETF	37.50

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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	\$21B	(\$77M)	\$1,091M	\$1,738M	\$3,611M
Consumer Discretionary	12	\$28B	(\$197M)	\$239M	\$1,208M	\$2,611M
Consumer Staples	10	\$26B	(\$129M)	(\$2,677M)	(\$4,148M)	(\$3,773M)
Energy	30	\$70B	(\$285M)	(\$810M)	\$2,168M	(\$7,793M)
Financials	26	\$62B	(\$344M)	\$1,726M	(\$872M)	\$416M
Health Care	23	\$90B	\$364M	(\$2,265M)	(\$5,350M)	(\$9,256M)
Industrial	13	\$36B	(\$7M)	\$152M	\$358M	\$630M
Materials	9	\$12B	\$348M	(\$602M)	(\$950M)	(\$2,291M)
Multi-Sector	16	\$20B	\$63M	(\$344M)	\$18M	\$2,312M
Real Estate	25	\$61B	\$57M	\$2,546M	\$2,314M	(\$666M)
Technology	23	\$173B	\$353M	\$5,002M	\$4,722M	\$6,457M
Utilities	9	\$22B	\$232M	(\$1,259M)	(\$1,198M)	(\$1,415M)

## U.S. Sector & Industry Flow Leaders

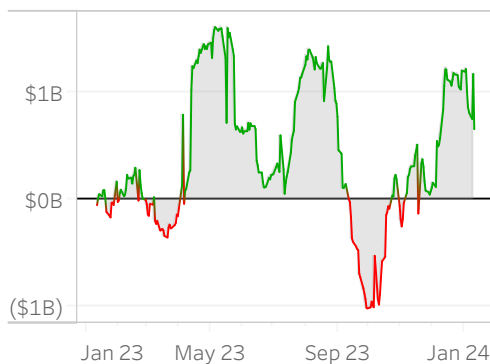
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLB	Materials Select Sector SPDR Fund	\$425M	(\$49M)	(\$185M)	(\$179M)	\$5,655M
XLV	Health Care Select Sector SPDR Fund	\$279M	(\$1,437M)	(\$3,407M)	(\$3,147M)	\$39,606M
SOXX	iShares Semiconductor ETF	\$241M	\$92M	\$374M	\$331M	\$10,186M
XLU	Utilities Select Sector SPDR Fund	\$200M	(\$581M)	(\$325M)	(\$280M)	\$14,635M
IGV	iShares Expanded Tech-Software Sector ETF	\$174M	\$48M	\$219M	\$586M	\$7,442M
XLRE	Real Estate Select Sector SPDR Fund	\$87M	\$896M	\$813M	\$454M	\$5,759M
FDN	First Trust Dow Jones Internet Index Fund	\$66M	(\$455M)	(\$388M)	\$523M	\$5,901M
IBB	iShares Biotechnology ETF	\$55M	(\$68M)	(\$221M)	(\$1,260M)	\$7,842M
IYT	iShares US Transportation ETF	\$51M	(\$36M)	(\$56M)	\$58M	\$916M
VHT	Vanguard Health Care ETF	\$38M	(\$568M)	(\$537M)	(\$720M)	\$17,135M

## U.S. Sector & Industry Flow Laggards

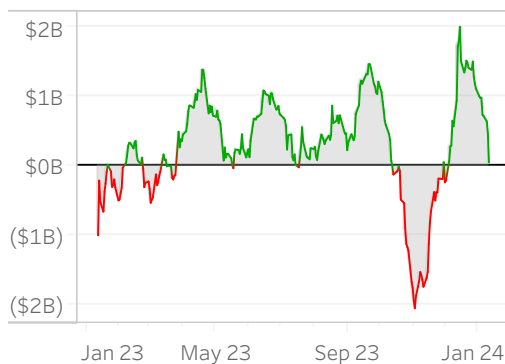
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$222M)	\$205M	(\$1,757M)	(\$347M)	\$34,402M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$209M)	\$523M	\$1,174M	\$1,296M	\$18,555M
KRE	SPDR S&P Regional Banking ETF	(\$166M)	\$585M	\$109M	\$1,360M	\$3,806M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$121M)	\$176M	\$113M	(\$703M)	\$3,480M
XLE	Energy Select Sector SPDR Fund	(\$103M)	(\$386M)	\$1,540M	(\$2,478M)	\$35,328M
XLC	Communication Services Select Sector SPDR Fu..	(\$100M)	\$1,220M	\$1,288M	\$3,292M	\$16,088M
XLI	Industrial Select Sector SPDR Fund	(\$79M)	(\$388M)	(\$270M)	(\$857M)	\$15,348M
XLP	Consumer Staples Select Sector SPDR Fund	(\$65M)	(\$1,748M)	(\$1,806M)	(\$1,473M)	\$15,377M
XME	SPDR S&P Metals & Mining ETF	(\$52M)	\$36M	(\$138M)	(\$508M)	\$1,901M
KBWB	Invesco KBW Bank ETF	(\$43M)	\$64M	\$96M	\$179M	\$1,628M

\* 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



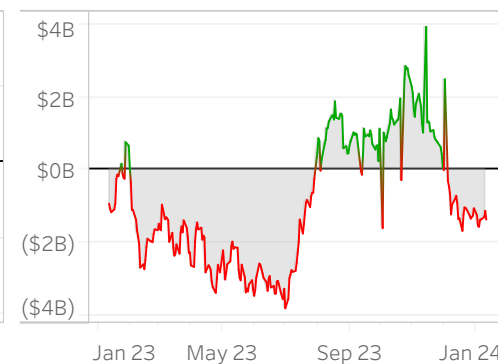
Consumer Discretionary



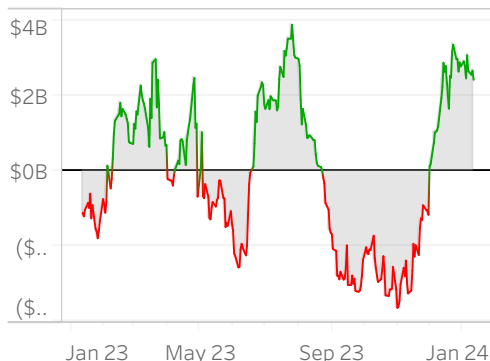
Consumer Staples



Energy



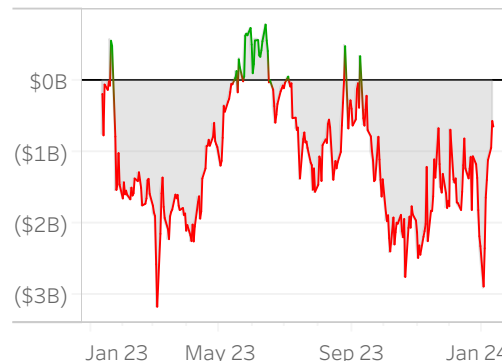
Financials



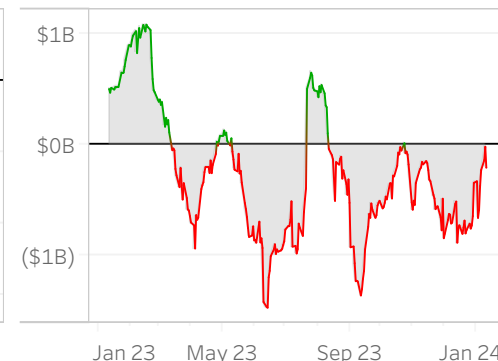
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

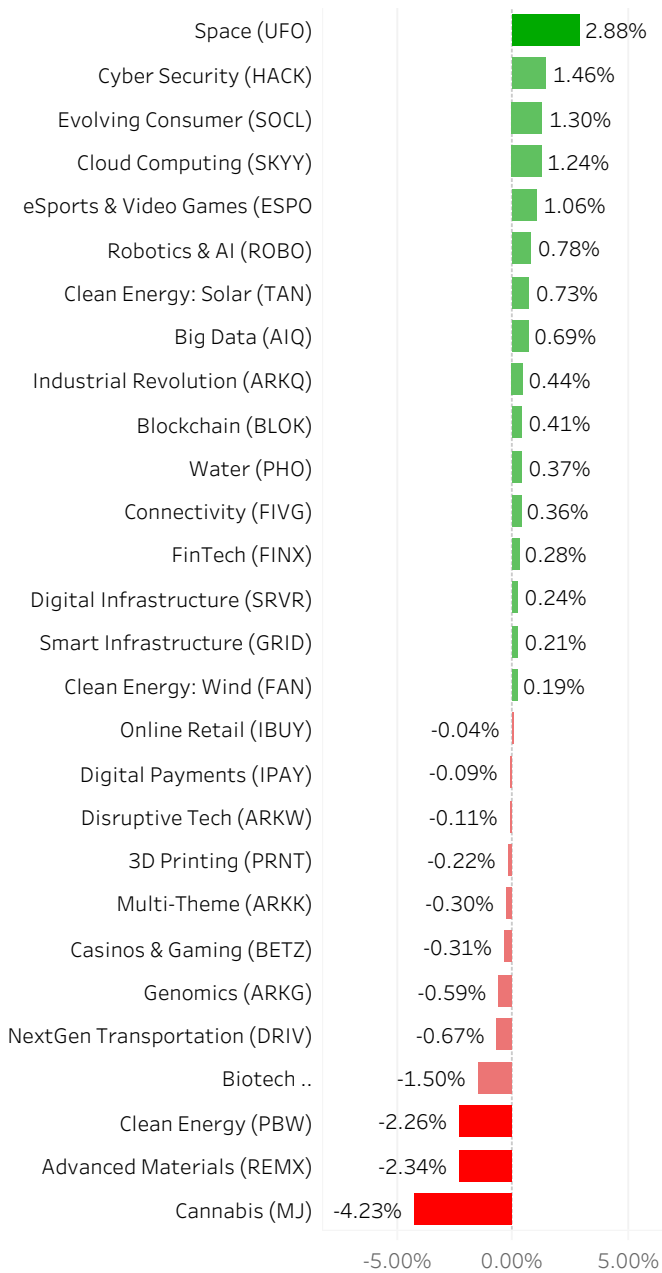


Multi-Sector

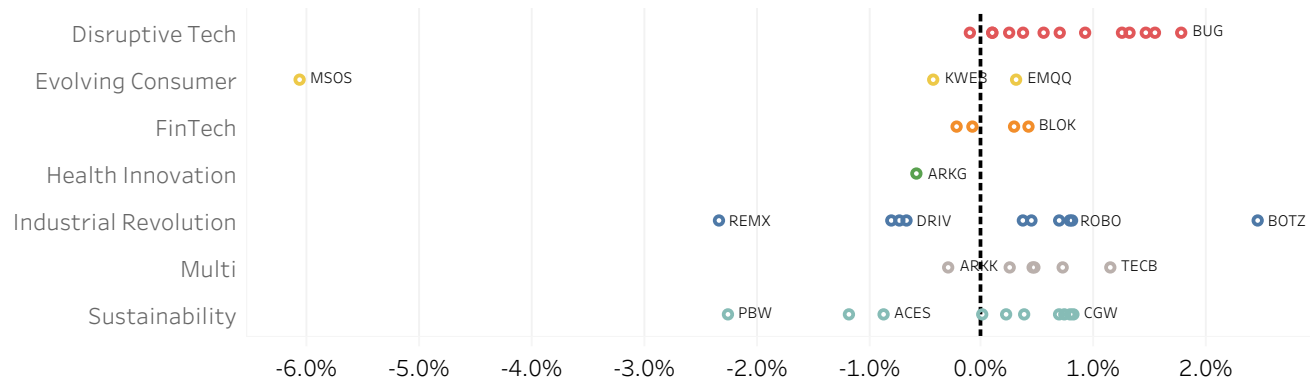


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
<b>BOTZ</b>	Global X Robotics & Artificial Intelligence ETF	2.45%
<b>BUG</b>	Global X Cybersecurity ETF	1.77%
<b>CIBR</b>	First Trust NASDAQ Cybersecurity ETF	1.54%
<b>HACK</b>	ETFMG Prime Cyber Security ETFMG Prime Cyber Securit..	1.46%
<b>WCBR</b>	WisdomTree Cybersecurity Fund	1.33%
<b>IHAK</b>	iShares Cybersecurity & Tech ETF	1.31%
<b>SOCL</b>	Global X Social Media ETF	1.30%
<b>SKYY</b>	First Trust Cloud Computing ETF	1.24%
<b>TECB</b>	iShares U.S. Tech Breakthrough Multisector ETF	1.14%
<b>FCLD</b>	Fidelity Cloud Computing ETF	1.08%

## Thematic Most Overbought

Ticker	Fund	Price
<b>AGNG</b>	Global X Aging Population ETF	69.32
<b>BTEC</b>	Principal Healthcare Innovators ETF	68.92
<b>HACK</b>	ETFMG Prime Cyber Security ETFMG Prime Cyber Security ..	67.84
<b>TECB</b>	iShares U.S. Tech Breakthrough Multisector ETF	67.82
<b>IDNA</b>	iShares Genomics Immunology and Healthcare ETF	64.89
<b>IHAK</b>	iShares Cybersecurity & Tech ETF	64.62
<b>CIBR</b>	First Trust NASDAQ Cybersecurity ETF	64.40
<b>HTEC</b>	ROBO Global Healthcare Technology and Innovation ETF	64.20
<b>SBIO</b>	ALPS Medical Breakthroughs ETF	62.47
<b>BUG</b>	Global X Cybersecurity ETF	62.08

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
<b>MSOS</b>	AdvisorShares Pure US Cannabis ETF	-6.08%
<b>MJUS</b>	ETFMG U.S. Alternative Harvest ETF	-4.49%
<b>MJ</b>	ETFMG Alternative Harvest ETFMG Alternative Harvest	-4.23%
<b>REMX</b>	VanEck Rare Earth/Strategic Metals ETF	-2.34%
<b>PBW</b>	Invesco WilderHill Clean Energy ETF	-2.26%
<b>BLCN</b>	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.77%
<b>SBIO</b>	ALPS Medical Breakthroughs ETF	-1.50%
<b>BATT</b>	Amplify Lithium & Battery Technology ETF	-1.21%
<b>QCLN</b>	First Trust Nasdaq Clean Edge Green Energy Index Fund	-1.19%
<b>ACES</b>	ALPS Clean Energy ETF	-0.88%

## Thematic Most Oversold

Ticker	Fund	Price
<b>BATT</b>	Amplify Lithium & Battery Technology ETF	33.87
<b>REMX</b>	VanEck Rare Earth/Strategic Metals ETF	34.27
<b>KARS</b>	KraneShares Electric Vehicles & Future Mobility Index ETF	34.57
<b>KGRN</b>	KraneShares MSCI China Clean Technology Index ETF	36.19
<b>KWEB</b>	KraneShares CSI China Internet ETF	36.98
<b>PBW</b>	Invesco WilderHill Clean Energy ETF	36.98
<b>IDRV</b>	iShares Self-driving EV & Tech ETF	37.63
<b>LIT</b>	Global X Lithium & Battery Tech ETF	38.15
<b>QCLN</b>	First Trust Nasdaq Clean Edge Green Energy Index Fund	40.30
<b>ACES</b>	ALPS Clean Energy ETF	40.80

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
LIT	Global X Lithium & Battery Tech ETF	\$34M
SKYY	First Trust Cloud Computing ETF	\$17M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$15M
MSOS	AdvisorShares Pure US Cannabis ETF	\$12M
TARK	AXS 2X Innovation ETF	\$8M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$7M
AIQ	Global X Artificial Intelligence & Technology ETF	\$6M
WCLD	WisdomTree Cloud Computing Fund	\$5M
FMIL	Fidelity New Millennium ETF	\$4M
SPRX	Spear Alpha ETF	\$4M

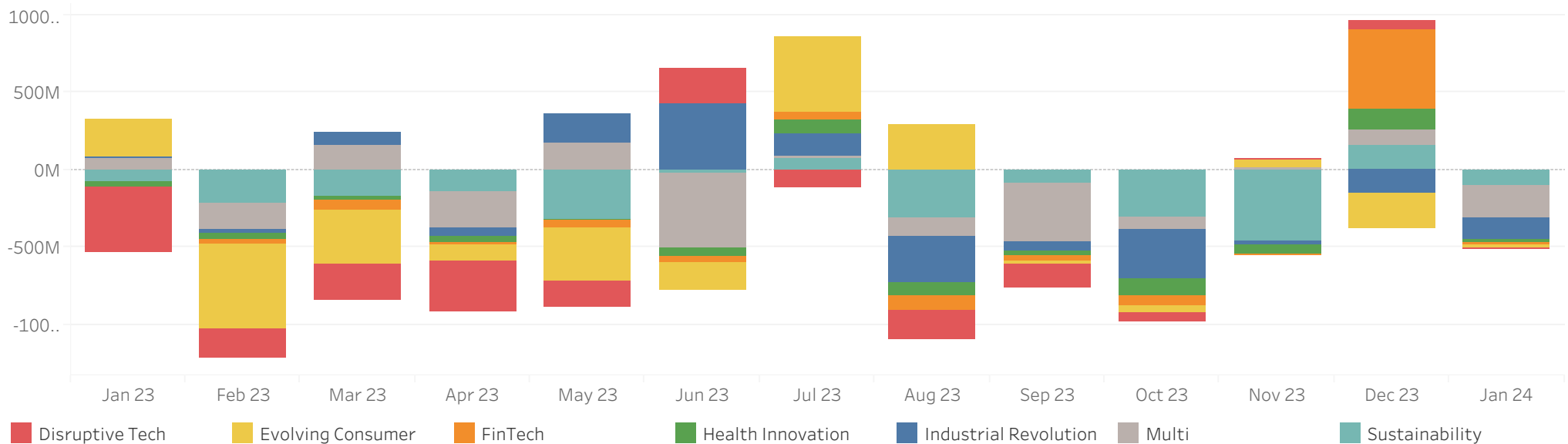
## Thematic 1 Week Flow Laggards

Ticker	Fund	
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$138M)
ARKK	ARK Innovation ETF	(\$69M)
ARKW	ARK Next Generation Internet ETF	(\$46M)
TAN	Invesco Solar ETF	(\$28M)
ICLN	iShares Global Clean Energy ETF	(\$22M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$18M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$18M)
XT	iShares Exponential Technologies ETF	(\$17M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$17M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$13M)

## Thematic Landscape Assets & Flows

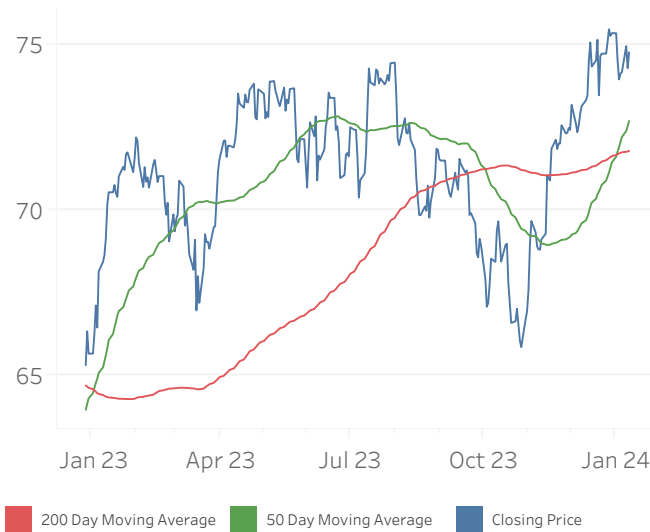
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$18B	(\$31M)	(\$5M)	(\$465M)	(\$1,576M)
Evolving Consumer	37	\$8B	\$0M	(\$235M)	\$478M	(\$772M)
FinTech	17	\$4B	(\$11M)	\$483M	\$315M	\$146M
Health Innovation	17	\$3B	(\$18M)	(\$43M)	(\$69M)	(\$282M)
Industrial Revolution	30	\$10B	(\$76M)	(\$533M)	(\$943M)	(\$255M)
Multi	35	\$16B	\$28M	(\$209M)	(\$589M)	(\$1,143M)
Sustainability	40	\$13B	(\$53M)	(\$643M)	(\$1,186M)	(\$1,979M)
Grand Total	209	\$72B	(\$161M)	(\$1,185M)	(\$2,459M)	(\$5,860M)

## Thematic Monthly Flows

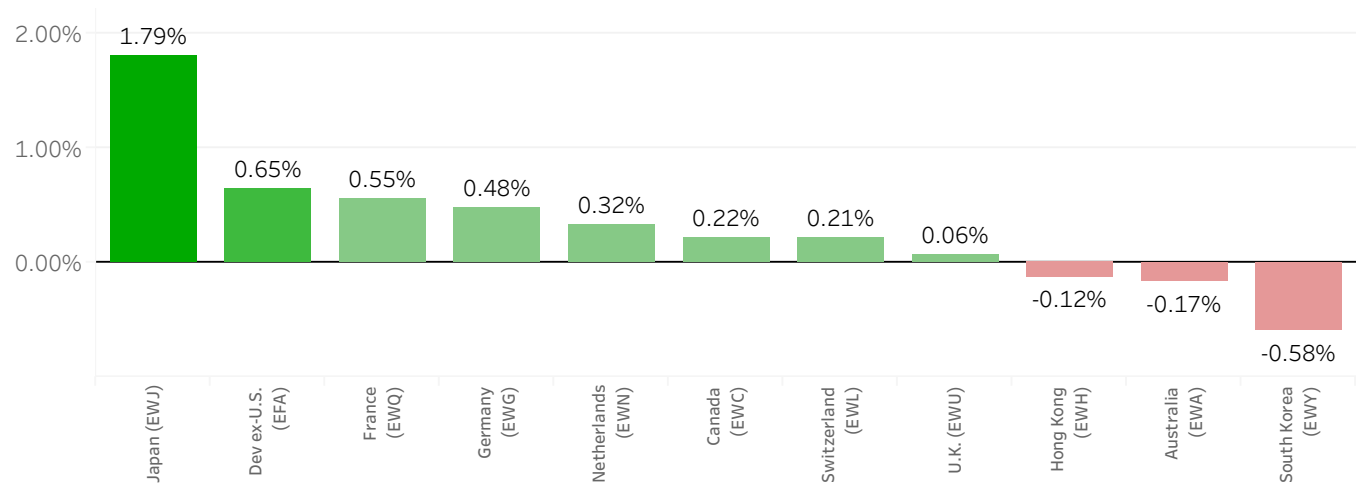


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

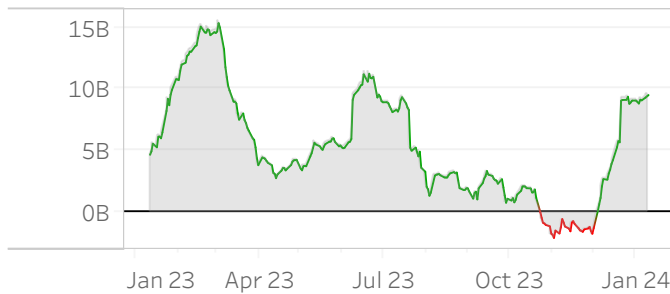
Developed ex-U.S. (EFA)



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



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



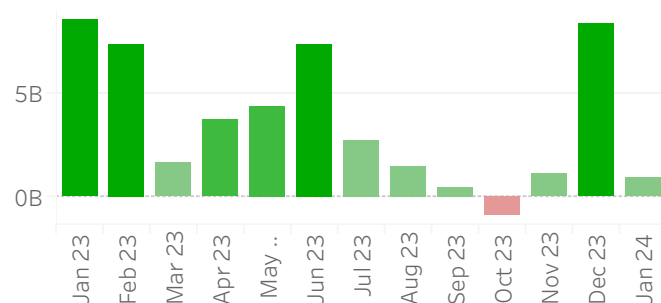
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	2.62%
HEWJ	iShares Currency Hedged MSCI Japan ETF	2.46%
DXJ	WisdomTree Japan Hedged Equity Fund	2.40%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.80%
EWJ	iShares MSCI Japan ETF	1.79%
BBJP	JPMorgan BetaBuilders Japan ETF	1.73%
JPXN	iShares JPX-Nikkei 400 ETF	1.71%
FLJP	Franklin FTSE Japan ETF	1.64%
EWJV	iShares MSCI Japan Value ETF	1.26%
IMOM	Alpha Architect International Quantitative Momentum ETF	1.24%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	77.13
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	75.66
HEWJ	iShares Currency Hedged MSCI Japan ETF	72.27
EDEN	iShares MSCI Denmark ETF	72.00
DXJ	WisdomTree Japan Hedged Equity Fund	69.42
DFJ	WisdomTree Japan SmallCap Dividend Fund	69.38
FLJP	Franklin FTSE Japan ETF	65.81
EWJ	iShares MSCI Japan ETF	65.49
SCJ	iShares MSCI Japan Small-Cap ETF	65.28
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	65.13

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	-1.75%
EWY	iShares MSCI South Korea ETF	-0.58%
AIA	iShares Asia 50 ETF	-0.56%
FLKR	Franklin FTSE South Korea ETF	-0.56%
ENZL	iShares MSCI New Zealand ETF	-0.52%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.19%
EWA	iShares MSCI Australia ETF	-0.17%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.17%
EWS	iShares MSCI Singapore ETF	-0.17%
NORW	Global X MSCI Norway ETF	-0.14%

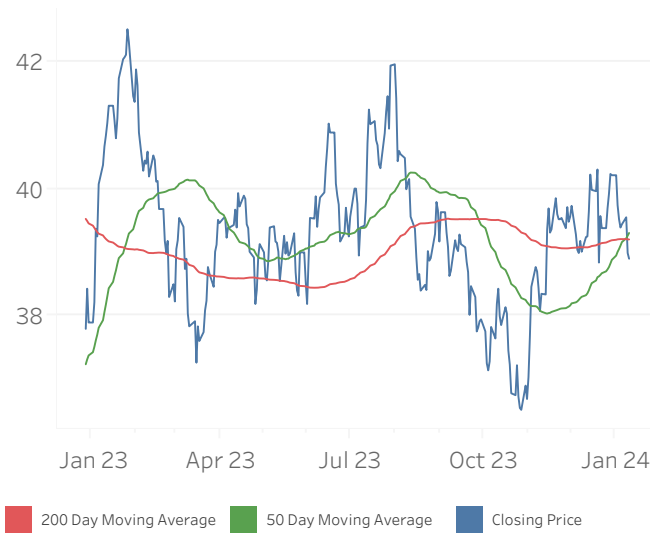
Developed ex-U.S. Most Oversold

Ticker	Fund	Price
AIA	iShares Asia 50 ETF	35.96
EWY	iShares MSCI Hong Kong ETF	36.05
EWY	iShares MSCI South Korea ETF	38.89
AAXJ	iShares MSCI All Country Asia ex Japan ETF	39.47
EIRL	iShares MSCI Ireland ETF	41.40
FLKR	Franklin FTSE South Korea ETF	42.27
EPP	iShares MSCI Pacific ex-Japan ETF	46.22
EWD	iShares MSCI Sweden ETF	46.98
EWS	iShares MSCI Singapore ETF	47.89
NORW	Global X MSCI Norway ETF	48.24

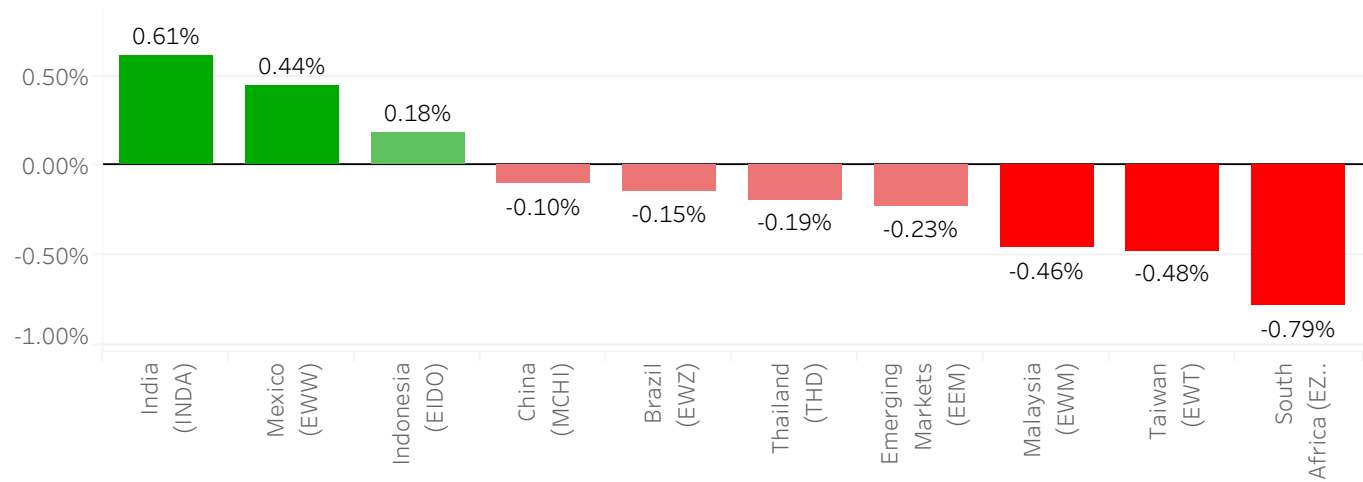
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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



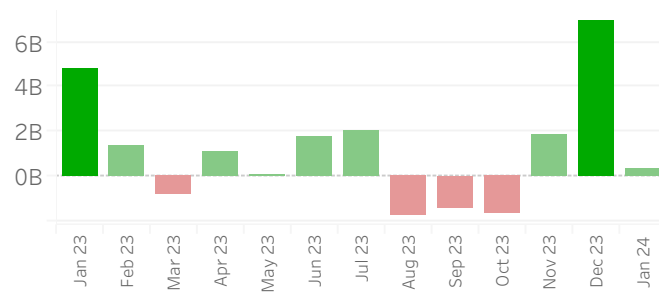
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	1.48%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	0.71%
INDY	iShares India 50 ETF	0.67%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.64%
FLIN	Franklin FTSE India ETF	0.63%
INDA	iShares MSCI India ETF	0.61%
SMIN	iShares MSCI India Small Cap ETF	0.58%
EPU	iShares MSCI Peru and Global Exposure ETF	0.51%
EPI	WisdomTree India Earnings Fund	0.49%
PIN	Invesco India ETF	0.47%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	72.45
SMIN	iShares MSCI India Small Cap ETF	69.53
FLIN	Franklin FTSE India ETF	67.31
INDA	iShares MSCI India ETF	66.79
EPI	WisdomTree India Earnings Fund	66.44
GLIN	VanEck India Growth Leaders ETF	62.94
NFTY	First Trust India NIFTY 50 Equal Weight ETF	62.91
PIN	Invesco India ETF	62.69
INDY	iShares India 50 ETF	62.25
KSA	iShares MSCI Saudi Arabia ETF	59.86

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECNS	iShares MSCI China Small-Cap ETF	-1.12%
ECH	iShares MSCI Chile ETF	-0.87%
EZA	iShares MSCI South Africa ETF	-0.79%
PGJ	Invesco Golden Dragon China ETF	-0.74%
EPHE	iShares MSCI Philippines ETF	-0.57%
EPOL	iShares MSCI Poland ETF	-0.52%
KSA	iShares MSCI Saudi Arabia ETF	-0.51%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.51%
EWT	iShares MSCI Taiwan ETF	-0.48%
EWM	iShares MSCI Malaysia ETF	-0.46%

Emerging Most Oversold

Ticker	Fund	Price
CNYA	iShares MSCI China A ETF	29.13
ECNS	iShares MSCI China Small-Cap ETF	30.67
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	31.71
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	31.82
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	33.74
GXC	SPDR S&P China ETF	34.46
MCHI	iShares MSCI China ETF	34.90
FXI	iShares China Large-Cap ETF	35.11
FLCH	Franklin FTSE China ETF	35.41
EWT	iShares MSCI Taiwan ETF	36.05

\* 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	-0.19%	1.81%	-0.90%
SHY	1-3 Year Treasury Bonds	0.00%	0.93%	-0.07%
IEF	7-10 Year Treasury Bonds	-0.16%	1.91%	-0.96%
TLT	20+ Year Treasury Bonds	-0.47%	2.04%	-2.74%
TIP	TIPS Bonds	-0.08%	1.20%	-0.68%
FLOT	Floating Rate Bonds	-0.02%	0.59%	0.22%
LQD	Investment Grade Corporate	-0.13%	2.39%	-1.01%
HYG	High Yield Corporate	0.18%	2.49%	-0.03%
BKLN	Senior Loan	0.00%	1.56%	-0.05%
PFF	Preferred & Income Securities	0.06%	3.18%	0.80%
MUB	Municipal Bonds	-0.12%	1.35%	-0.10%
MBB	MBS	-0.05%	2.07%	-0.94%
EMB	Dollar Denominated EM Bonds	0.71%	1.24%	-1.68%
LEMB	Local Currency EM Bond	0.33%	2.33%	-0.68%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.07%	-0.18%	-1.25%
DBE	Energy	-1.02%	0.02%	0.63%
USO	WTI Crude Oil	-1.23%	0.05%	-0.14%
BNO	Brent Crude Oil	-0.98%	1.30%	-0.04%
UNG	Natural Gas	-5.09%	22.51%	21.30%
UGA	Gasoline	-0.30%	0.37%	-1.71%
DBP	Precious Metals	-0.41%	0.37%	-2.25%
GLD	Gold	-0.23%	1.00%	-1.92%
SLV	Silver	-0.29%	-0.76%	-3.86%
PPLT	abrdn Physical Platin..	-1.18%	0.45%	-6.87%
PALL	abrdn Physical Palla..	2.27%	5.93%	-8.79%
DBB	Base Metals	-0.11%	2.76%	-4.86%
CPER	Copper	0.90%	-0.76%	-2.44%
DBA	Agriculture	-0.19%	-1.23%	-0.63%
CORN	Corn	-0.24%	-4.92%	-2.27%
SOYB	Soybeans	-0.69%	-6.15%	-4.00%
WEAT	Wheat	0.17%	-2.17%	-2.01%
CANE	Sugar	-0.71%	-5.03%	2.06%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.18%	-1.05%	1.14%
UDN	Short Dollar	0.19%	1.83%	-0.92%
FXE	Euro	0.37%	2.12%	-0.59%
FXB	British Pound Sterling	0.32%	1.73%	-0.01%
FXF	Swiss Franc	0.11%	3.34%	-1.19%
FXJ	Japanese Yen	-0.87%	-0.67%	-3.43%
FXC	Canadian Dollar	0.15%	1.78%	-0.87%
FXA	Australian Dollar	0.33%	2.05%	-1.55%

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