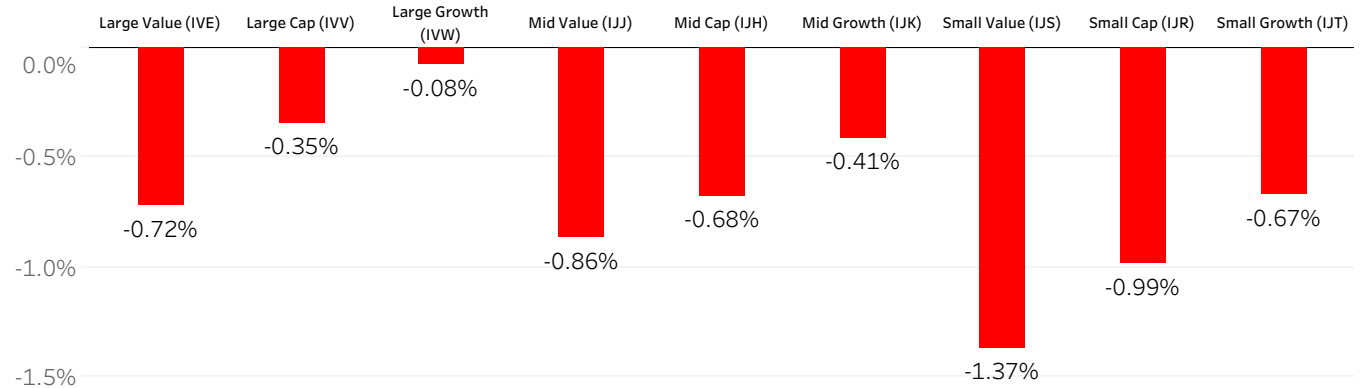


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	0.50%
USXF	iShares ESG Advanced MSCI USA ETF	0.30%
MTUM	iShares MSCI USA Momentum Factor ETF	0.25%
WINN	Harbor Long-Term Growers ETF	0.24%
RPG	Invesco S&P 500 Pure Growth ETF	0.19%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	0.18%
NULG	Nuveen ESG Large-Cap Growth ETF	0.17%
VEGN	US Vegan Climate ETF	0.15%
SUSL	iShares ESG MSCI USA Leaders ETF	0.11%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	0.09%

Size & Style Most Overbought

Ticker	Fund	Value
SPMO	Invesco S&P 500 Momentum ETF	70.01
SIXA	ETC 6 Meridian Mega Cap Equity ETF	69.17
PWB	Invesco Large Cap Growth ETF	68.84
MTUM	iShares MSCI USA Momentum Factor ETF	68.17
WINN	Harbor Long-Term Growers ETF	68.04
QLV	FlexShares US Quality Low Volatility Index Fund	67.51
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	67.18
SUSL	iShares ESG MSCI USA Leaders ETF	67.07
USXF	iShares ESG Advanced MSCI USA ETF	66.75
USMF	WisdomTree U.S. Multifactor Fund	66.57

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SVAL	iShares US Small Cap Value Factor ETF	-1.86%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-1.79%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.64%
FYT	First Trust Small Cap Value AlphaDEX Fund	-1.63%
IWN	iShares Russell 2000 Value ETF	-1.62%
DES	WisdomTree U.S. SmallCap Dividend Fund	-1.58%
VTWV	Vanguard Russell 2000 Value ETF	-1.53%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-1.51%
EES	WisdomTree U.S. SmallCap Fund	-1.48%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-1.44%

Size & Style Most Oversold

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	30.47
CSF	VictoryShares US Discovery Enhanced Volatility Wt..	31.40
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	33.27
FDM	First Trust Dow Jones Select MicroCap Index Fund	36.00
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	36.50
SVAL	iShares US Small Cap Value Factor ETF	37.34
CSB	VictoryShares US Small Cap High Dividend Volatility ..	37.80
XSVM	Invesco S&P SmallCap Value with Momentum ETF	38.42
EES	WisdomTree U.S. SmallCap Fund	39.19
DES	WisdomTree U.S. SmallCap Dividend Fund	39.38

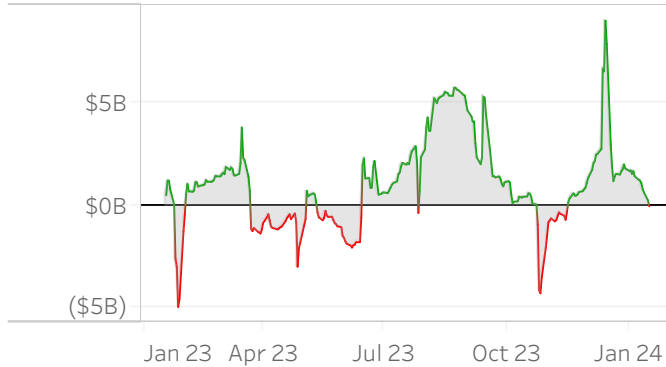
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

\*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	\$1,682B	\$0.07B	\$87.81B	\$114.52B	\$159.30B
Large Cap, Beta, Beta: Growth	10	\$320B	\$0.06B	\$6.63B	\$12.25B	\$16.46B
Large Cap, Beta, Beta: Value	11	\$239B	(\$0.92B)	\$4.13B	\$5.10B	(\$2.11B)
Mid Cap, Beta, Beta	10	\$207B	(\$0.33B)	(\$0.23B)	\$5.70B	\$7.02B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.04B)	\$0.78B	\$0.62B	\$1.10B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.12B)	(\$0.09B)	(\$0.63B)	(\$2.38B)
Small Cap, Beta, Beta	11	\$225B	(\$0.32B)	\$12.34B	\$14.65B	\$19.66B
Small Cap, Beta, Beta: Growth	7	\$36B	\$0.01B	\$1.40B	\$1.47B	\$1.34B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.13B)	\$1.06B	\$0.29B	(\$0.84B)

U.S. Size & Style Flow Leaders

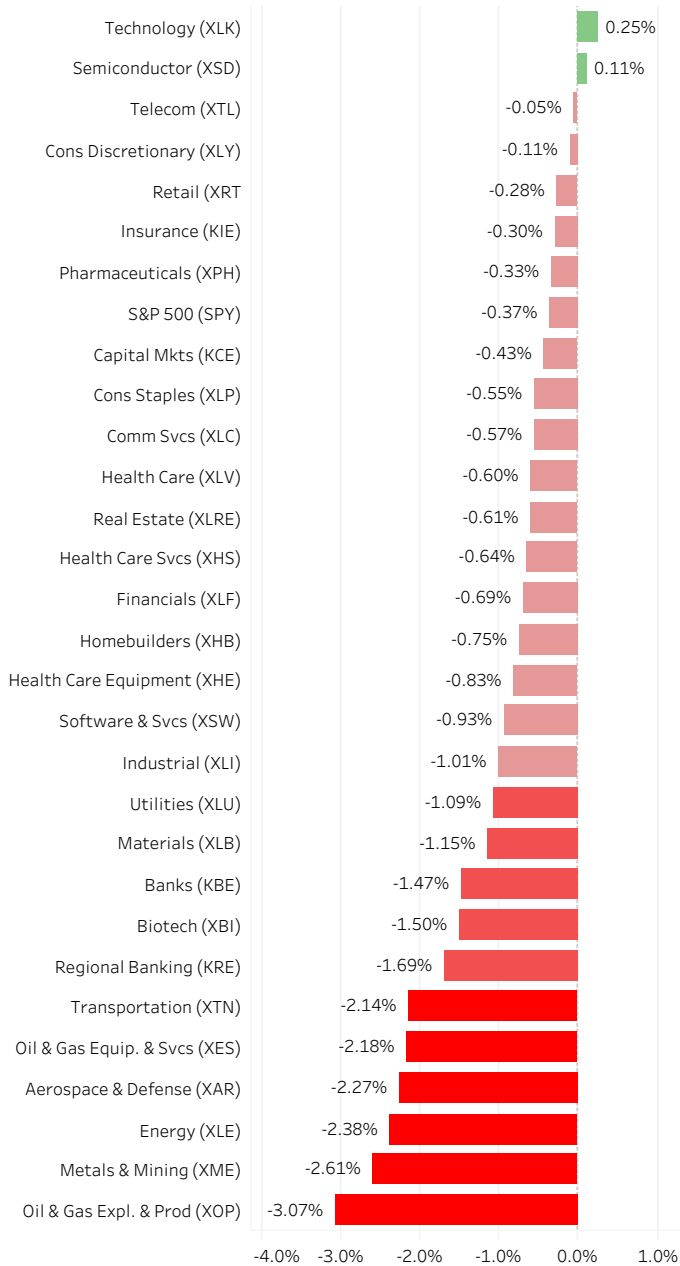
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$2.59B	\$19.83B	\$39.48B	\$43.85B	\$405.94B
VOO	Vanguard S&P 500 ETF	\$0.77B	\$14.38B	\$23.22B	\$46.01B	\$378.13B
QQQM	Invesco NASDAQ 100 ETF	\$0.38B	\$2.33B	\$3.93B	\$9.06B	\$19.31B
QQQ	Invesco QQQ Trust Series I	\$0.35B	\$3.04B	\$4.64B	\$13.80B	\$232.83B
VTI	Vanguard Total Stock Market ETF	\$0.30B	\$7.94B	\$11.49B	\$22.04B	\$348.98B
IJR	iShares Core S&P Small Cap ETF	\$0.22B	\$1.67B	\$2.39B	\$3.42B	\$74.96B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.19B	\$4.45B	\$5.74B	\$7.79B	\$26.47B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.17B	\$1.78B	\$1.11B	\$11.26B	\$36.66B
CALF	Pacer US Small Cap Cash Cows 100 ETF	\$0.13B	\$2.66B	\$3.68B	\$4.75B	\$7.02B
COWZ	Pacer US Cash Cows 100 ETF	\$0.10B	\$2.31B	\$4.16B	\$6.35B	\$18.65B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SUSA	iShares MSCI USA ESG Select ETF	(\$1.03B)	(\$0.86B)	\$0.02B	\$0.32B	\$4.28B
IWM	iShares Russell 2000 ETF	(\$0.58B)	\$7.34B	\$7.21B	\$6.71B	\$63.41B
IWD	iShares Russell 1000 Value ETF	(\$0.57B)	\$0.48B	(\$0.13B)	(\$4.53B)	\$52.64B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.31B)	\$0.20B	(\$0.07B)	(\$0.56B)	\$20.03B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.22B)	\$6.04B	\$7.08B	\$12.80B	\$49.90B
IWB	iShares Russell 1000 ETF	(\$0.20B)	(\$0.47B)	(\$0.82B)	(\$1.67B)	\$32.30B
DFUV	Dimensional US Marketwide Value ETF	(\$0.15B)	\$0.13B	\$0.21B	\$0.54B	\$9.44B
VTV	Vanguard Value ETF	(\$0.15B)	(\$0.36B)	\$0.64B	(\$0.03B)	\$105.69B
IVE	iShares S&P 500 Value ETF	(\$0.14B)	\$0.37B	(\$0.30B)	(\$1.75B)	\$27.22B
IWF	iShares Russell 1000 Growth ETF	(\$0.12B)	\$1.40B	\$2.06B	(\$0.91B)	\$81.20B

\* 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)
XLK	Technology Select Sector SPDR Fund	-0.18%	43.72%	3.02%	12.58%	62.20
SPY	SPDR S&P 500 ETF Trust	-0.37%	23.24%	2.58%	7.92%	59.58
XLC	Communication Services Select Sector SPDR Fund	-0.57%	40.43%	3.13%	10.86%	61.30
XLV	Health Care Select Sector SPDR Fund	-0.92%	13.43%	4.56%	5.81%	66.67
XLF	Financial Select Sector SPDR Fund	-1.71%	20.53%	2.62%	9.15%	52.86
XLI	Industrial Select Sector SPDR Fund	-2.76%	15.08%	1.46%	5.76%	47.01
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.22%	25.73%	0.58%	5.92%	45.96
XLB	Materials Select Sector SPDR Fund	-4.32%	10.78%	-0.20%	2.08%	38.77
XLRE	Real Estate Select Sector SPDR Fund	-6.05%	22.09%	3.05%	6.83%	51.50
XLP	Consumer Staples Select Sector SPDR Fund	-6.58%	9.33%	1.99%	-0.02%	56.99
XLU	Utilities Select Sector SPDR Fund	-10.49%	11.46%	-0.62%	-2.35%	42.99
XLE	Energy Select Sector SPDR Fund	-13.55%	5.38%	-3.71%	-4.69%	36.03

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
SOXX	iShares Semiconductor ETF	1.42%
PSI	Invesco Semiconductors ETF	1.40%
SOXQ	Invesco PHLX Semiconductor ETF	1.22%
FTXL	First Trust Nasdaq Semiconductor ETF	0.89%
IGPT	Invesco AI and Next Gen Software ETF	0.64%
IYZ	iShares U.S. Telecommunications ETF	0.35%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	0.32%
XLK	Technology Select Sector SPDR Fund	0.25%
IGM	iShares Expanded Tech Sector ETF	0.20%
IYW	iShares U.S. Technology ETF	0.18%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PINK	Simplify Health Care ETF	69.62
IGPT	Invesco AI and Next Gen Software ETF	67.02
IHE	iShares U.S. Pharmaceuticals ETF	66.86
XLV	Health Care Select Sector SPDR Fund	66.67
IYH	iShares U.S. Healthcare ETF	66.18
IAK	iShares U.S. Insurance ETF	66.08
IGM	iShares Expanded Tech Sector ETF	65.56
IETC	iShares U.S. Tech Independence Focused ETF	65.53
VHT	Vanguard Health Care ETF	65.48
FHLC	Fidelity MSCI Health Care Index ETF	65.45

## Sector & Industry 1 Day Performance Laggards

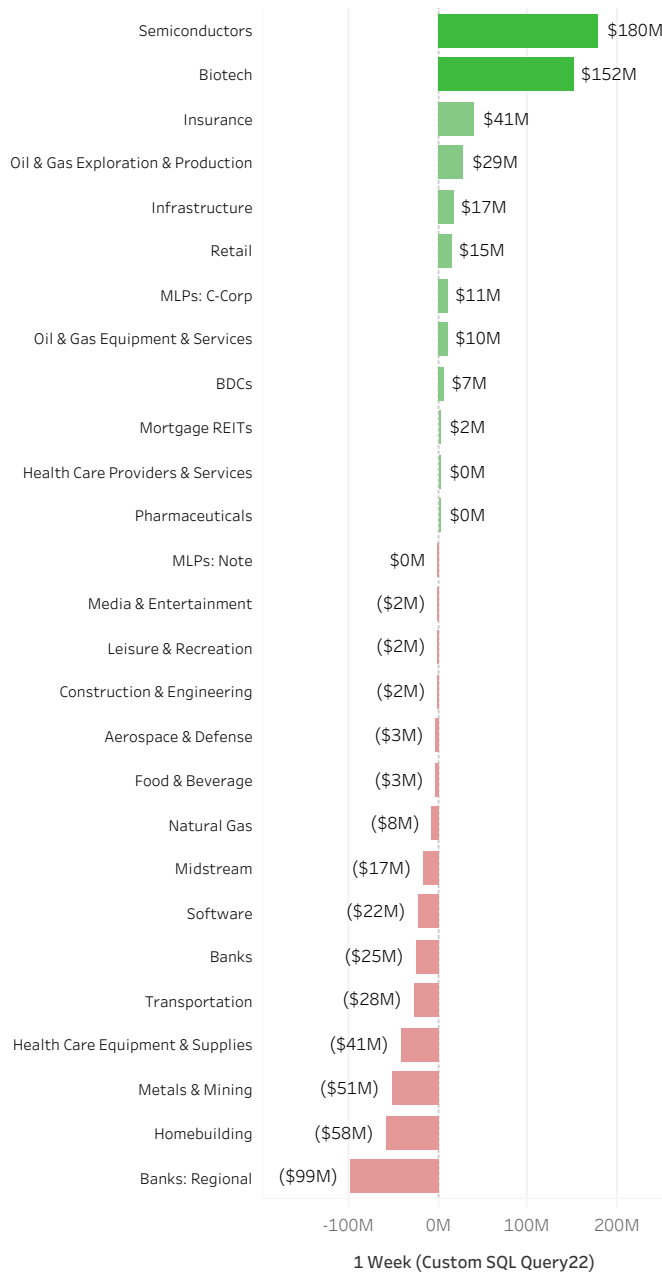
Ticker	Fund	1 Day Performance
PXE	Invesco Energy Exploration & Production ETF	-3.29%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-3.07%
FCG	First Trust Natural Gas ETF	-3.07%
FXN	First Trust Energy AlphaDEX Fund	-2.98%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.76%
XME	SPDR S&P Metals & Mining ETF	-2.61%
PSCE	Invesco S&P SmallCap Energy ETF	-2.60%
PXI	Invesco Dorsey Wright Energy Momentum ETF	-2.49%
ITA	iShares U.S. Aerospace & Defense ETF	-2.48%
FTXN	First Trust Nasdaq Oil & Gas ETF	-2.48%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSCE	Invesco S&P SmallCap Energy ETF	32.22
IEZ	iShares U.S. Oil Equipment & Services ETF	33.26
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	34.29
ITA	iShares U.S. Aerospace & Defense ETF	34.56
FCG	First Trust Natural Gas ETF	34.70
XES	SPDR S&P Oil & Gas Equipment & Services ETF	34.89
RSPG	Invesco S&P 500 Equal Weight Energy ETF	34.90
FTXN	First Trust Nasdaq Oil & Gas ETF	35.57
IYE	iShares U.S. Energy ETF	35.66
PXE	Invesco Energy Exploration & Production ETF	35.85

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

## 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	(\$104M)	\$664M	\$1,152M	\$3,363M
Consumer Discretionary	12	\$28B	(\$105M)	\$223M	\$976M	\$2,384M
Consumer Staples	10	\$25B	(\$144M)	(\$2,706M)	(\$4,444M)	(\$4,051M)
Energy	30	\$70B	(\$197M)	(\$1,054M)	\$1,347M	(\$7,724M)
Financials	26	\$62B	\$206M	\$1,979M	(\$1,164M)	\$917M
Health Care	23	\$90B	\$84M	(\$2,072M)	(\$5,153M)	(\$9,271M)
Industrial	13	\$36B	(\$91M)	(\$87M)	(\$474M)	\$719M
Materials	9	\$12B	(\$78M)	(\$779M)	(\$1,234M)	(\$2,535M)
Multi-Sector	16	\$20B	\$12M	(\$100M)	(\$59M)	\$2,281M
Real Estate	25	\$61B	(\$109M)	\$2,160M	\$1,963M	(\$787M)
Technology	23	\$176B	\$833M	\$5,682M	\$5,446M	\$7,306M
Utilities	9	\$22B	\$11M	(\$450M)	(\$1,274M)	(\$1,388M)

## U.S. Sector & Industry Flow Leaders

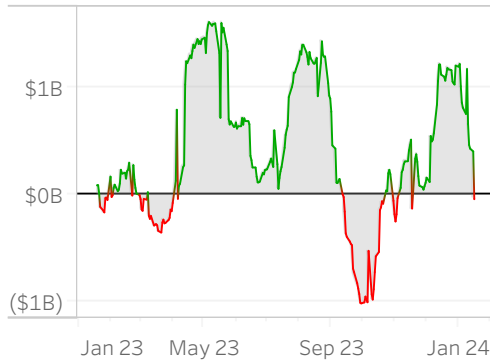
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$413M	\$567M	(\$1,669M)	\$182M	\$34,667M
XLK	Technology Select Sector SPDR Fund	\$401M	\$2,457M	\$2,584M	\$1,023M	\$58,488M
VGT	Vanguard Information Technology ETF	\$193M	\$1,100M	\$1,136M	\$563M	\$59,082M
SOXX	iShares Semiconductor ETF	\$169M	\$284M	\$690M	\$480M	\$10,314M
XBI	SPDR S&P BIOTECH ETF	\$113M	\$341M	\$121M	(\$1,970M)	\$7,151M
IYH	iShares U.S. Healthcare ETF	\$59M	(\$61M)	(\$32M)	(\$156M)	\$3,299M
FDN	First Trust Dow Jones Internet Index Fund	\$56M	(\$334M)	(\$366M)	\$593M	\$6,027M
IYW	iShares U.S. Technology ETF	\$55M	\$1,412M	(\$419M)	\$854M	\$14,269M
XLRE	Real Estate Select Sector SPDR Fund	\$53M	\$861M	\$857M	\$420M	\$5,811M
XLU	Utilities Select Sector SPDR Fund	\$42M	\$204M	(\$316M)	(\$116M)	\$14,408M

## U.S. Sector & Industry Flow Laggards

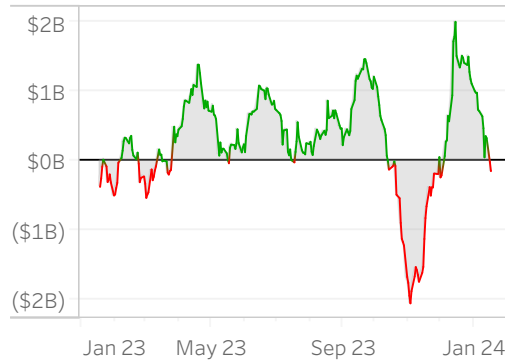
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$188M)	(\$779M)	\$1,017M	(\$2,797M)	\$35,276M
VFH	Vanguard Financials ETF	(\$148M)	(\$101M)	\$56M	(\$361M)	\$9,009M
IYR	iShares U.S. Real Estate ETF	(\$131M)	\$1,454M	\$1,162M	\$541M	\$4,396M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$114M)	\$473M	\$1,024M	\$1,140M	\$18,341M
XLP	Consumer Staples Select Sector SPDR Fund	(\$109M)	(\$1,780M)	(\$2,017M)	(\$1,690M)	\$15,282M
XLV	Health Care Select Sector SPDR Fund	(\$106M)	(\$1,647M)	(\$3,467M)	(\$3,232M)	\$39,532M
KRE	SPDR S&P Regional Banking ETF	(\$99M)	\$552M	(\$25M)	\$1,358M	\$3,617M
XLC	Communication Services Select Sector SPDR Fu..	(\$81M)	\$829M	\$1,046M	\$3,107M	\$16,177M
XLI	Industrial Select Sector SPDR Fund	(\$68M)	(\$519M)	(\$778M)	(\$761M)	\$15,316M
VNQ	Vanguard Real Estate ETF	(\$67M)	(\$396M)	(\$387M)	(\$1,383M)	\$33,321M

\* 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



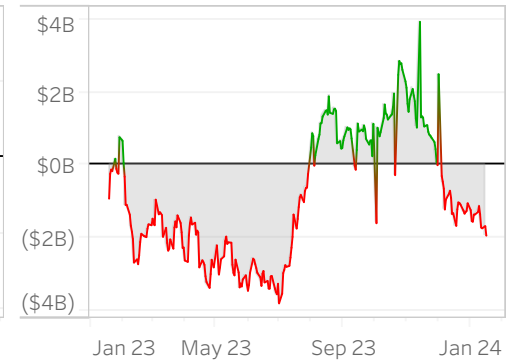
Consumer Discretionary



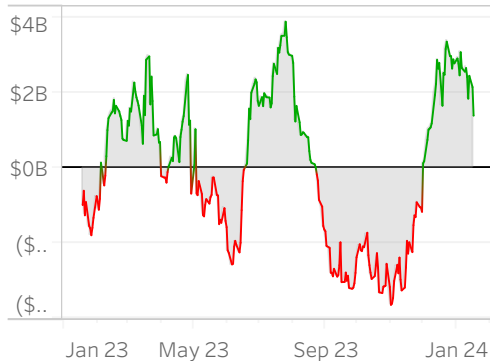
Consumer Staples



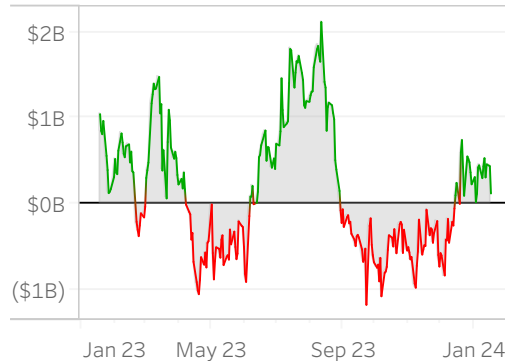
Energy



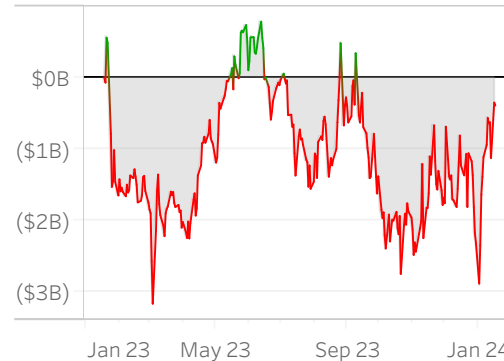
Financials



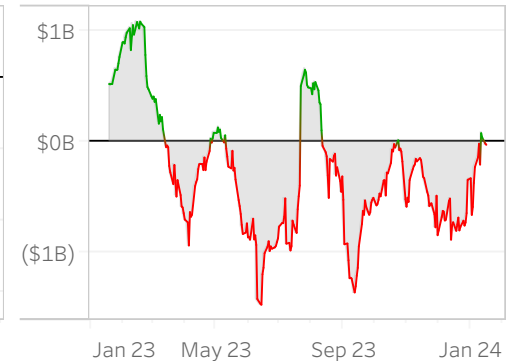
Industrial



Health Care



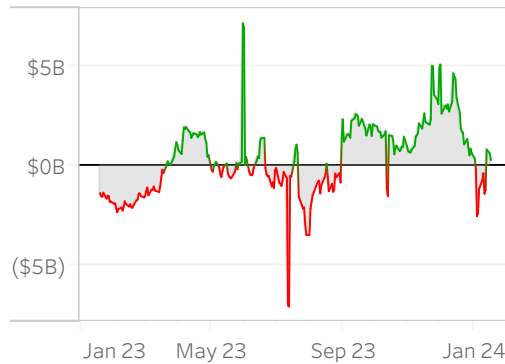
Materials



Real Estate



Technology



Utilities

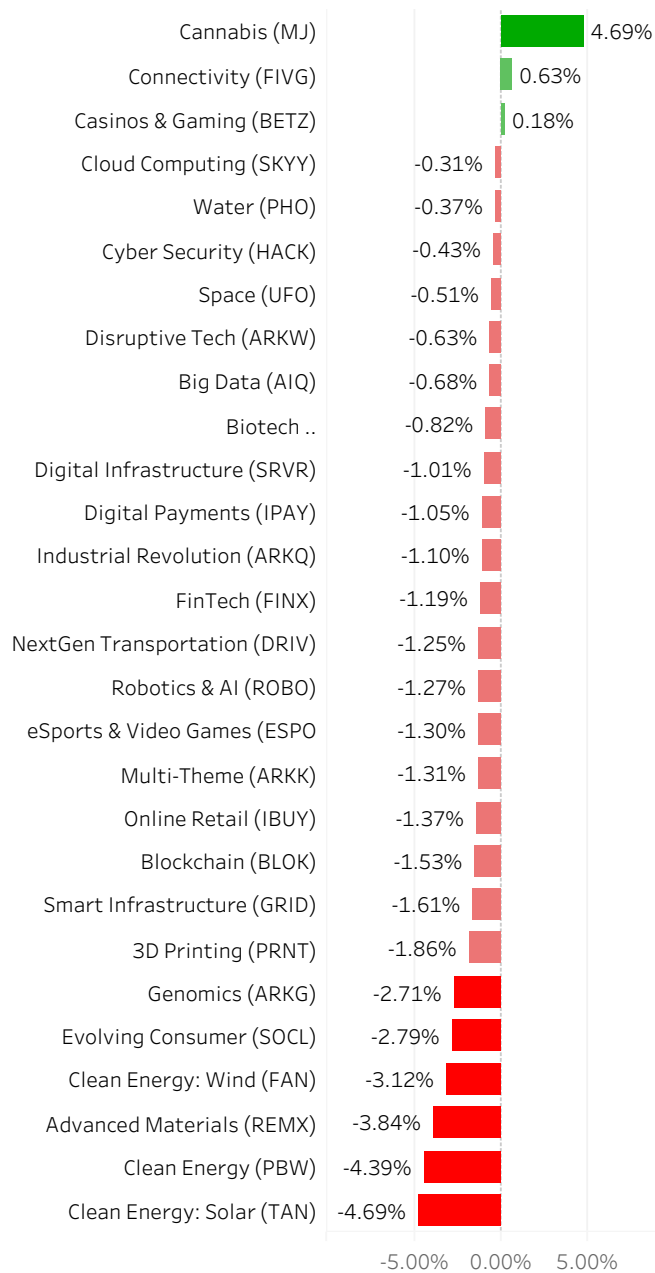


Multi-Sector

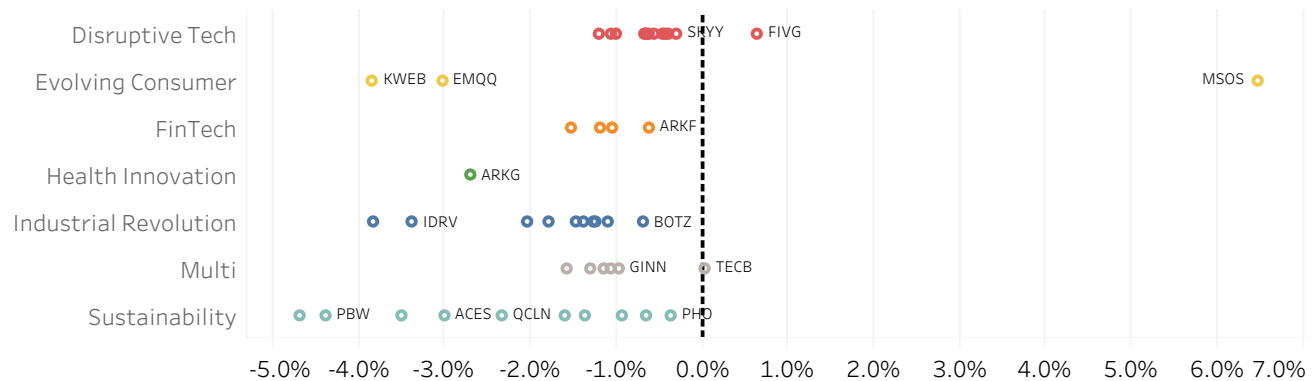


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	7.74%
MSOS	AdvisorShares Pure US Cannabis ETF	6.46%
MJ	ETFMG Alternative Harvest ETF	4.69%
FIVG	Defiance Next Gen Connectivity ETF	0.63%
BETZ	Roundhill Sports Betting & iGaming ETF	0.18%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	0.02%
FCLD	Fidelity Cloud Computing ETF	-0.25%
WCBR	WisdomTree Cybersecurity Fund	-0.27%
SKYY	First Trust Cloud Computing ETF	-0.31%
QTUM	Defiance Quantum ETF	-0.32%

Thematic Most Overbought

Ticker	Fund	Price
MJUS	ETFMG U.S. Alternative Harvest ETF	72.04
TECB	iShares U.S. Tech Breakthrough Multisector ETF	69.54
MSOS	AdvisorShares Pure US Cannabis ETF	69.12
HACK	ETFMG Prime Cyber Security ETF	68.25
CIBR	First Trust NASDAQ Cybersecurity ETF	66.72
IHAK	iShares Cybersecurity & Tech ETF	64.62
WCBR	WisdomTree Cybersecurity Fund	64.23
BUG	Global X Cybersecurity ETF	64.17
FIVG	Defiance Next Gen Connectivity ETF	64.00
MJ	ETFMG Alternative Harvest ETF	63.98

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
WGMJ	Valkyrie Bitcoin Miners ETF	-5.51%
BKCH	Global X Blockchain ETF	-4.71%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-4.69%
TAN	Invesco Solar ETF	-4.69%
CTEC	Global X CleanTech ETF	-4.66%
PBW	Invesco WilderHill Clean Energy ETF	-4.39%
DAPP	VanEck Digital Transformation ETF	-4.20%
PBD	Invesco Global Clean Energy ETF	-3.90%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.90%
KWEB	KraneShares CSI China Internet ETF	-3.85%

Thematic Most Oversold

Ticker	Fund	Price
IDRV	iShares Self-driving EV & Tech ETF	26.29
BATT	Amplify Lithium & Battery Technology ETF	26.50
REMX	VanEck Rare Earth/Strategic Metals ETF	26.70
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	26.74
PBW	Invesco WilderHill Clean Energy ETF	27.56
CTEC	Global X CleanTech ETF	28.22
CNRG	SPDR S&P Kensho Clean Power ETF	29.22
PBD	Invesco Global Clean Energy ETF	29.61
ACES	ALPS Clean Energy ETF	29.74
SMOG	VanEck Low Carbon Energy ETF	30.08

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



## Thematic 1 Week Flow Leaders

Ticker	Fund	
BLOK	Amplify Transformational Data Sharing ETF	\$114M
CLOU	Global X Cloud Computing ETF	\$31M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$30M
AIQ	Global X Artificial Intelligence & Technology ETF	\$22M
SKYY	First Trust Cloud Computing ETF	\$22M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$20M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
SPRX	Spear Alpha ETF	\$7M
TARK	AXS 2X Innovation ETF	\$7M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$6M

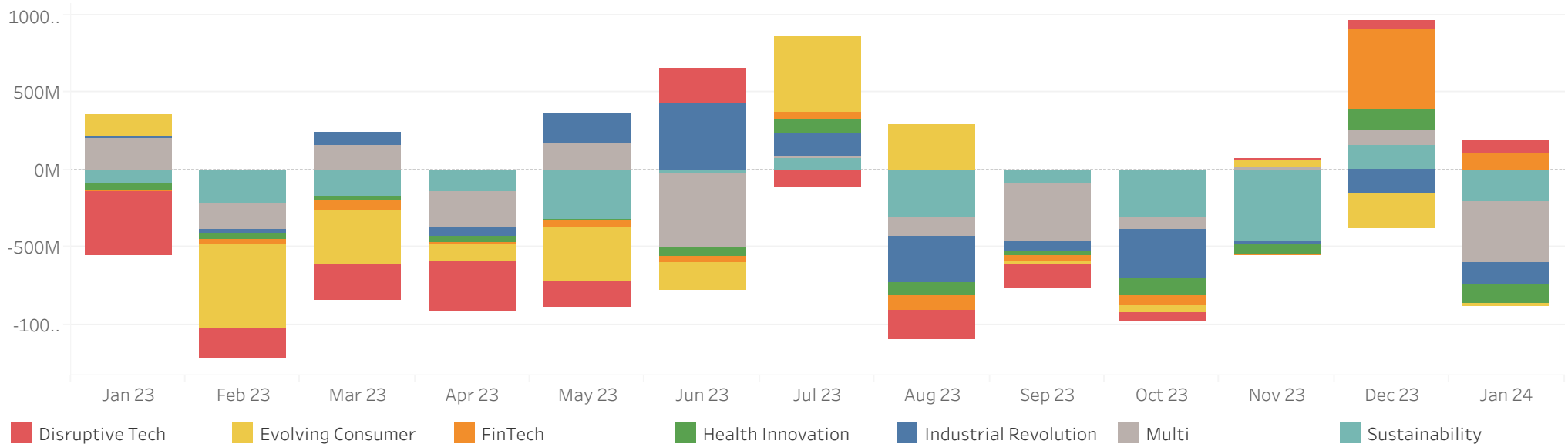
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$187M)
ARKG	ARK Genomic Revolution ETF	(\$98M)
ICLN	iShares Global Clean Energy ETF	(\$74M)
TAN	Invesco Solar ETF	(\$41M)
ARKW	ARK Next Generation Internet ETF	(\$14M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$14M)
WCLD	WisdomTree Cloud Computing Fund	(\$12M)
PBW	Invesco WilderHill Clean Energy ETF	(\$7M)
ARKF	ARK Fintech Innovation ETF	(\$6M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$6M)

## Thematic Landscape Assets & Flows

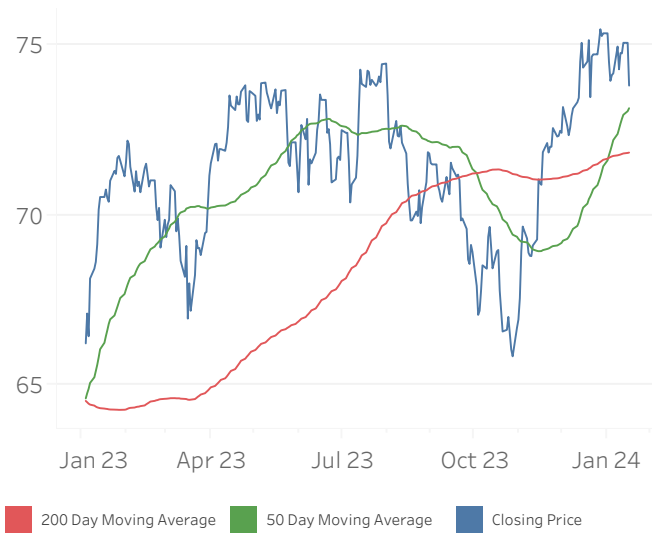
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	\$84M	\$97M	(\$462M)	(\$1,486M)
Evolving Consumer	37	\$8B	(\$7M)	(\$262M)	\$154M	(\$883M)
FinTech	17	\$4B	\$122M	\$610M	\$418M	\$270M
Health Innovation	17	\$3B	(\$101M)	(\$118M)	(\$215M)	(\$391M)
Industrial Revolution	30	\$10B	\$1M	(\$432M)	(\$998M)	(\$258M)
Multi	35	\$15B	(\$184M)	(\$364M)	(\$1,013M)	(\$1,192M)
Sustainability	40	\$13B	(\$95M)	(\$694M)	(\$1,243M)	(\$2,095M)
Grand Total	209	\$71B	(\$179M)	(\$1,163M)	(\$3,360M)	(\$6,035M)

## Thematic Monthly Flows

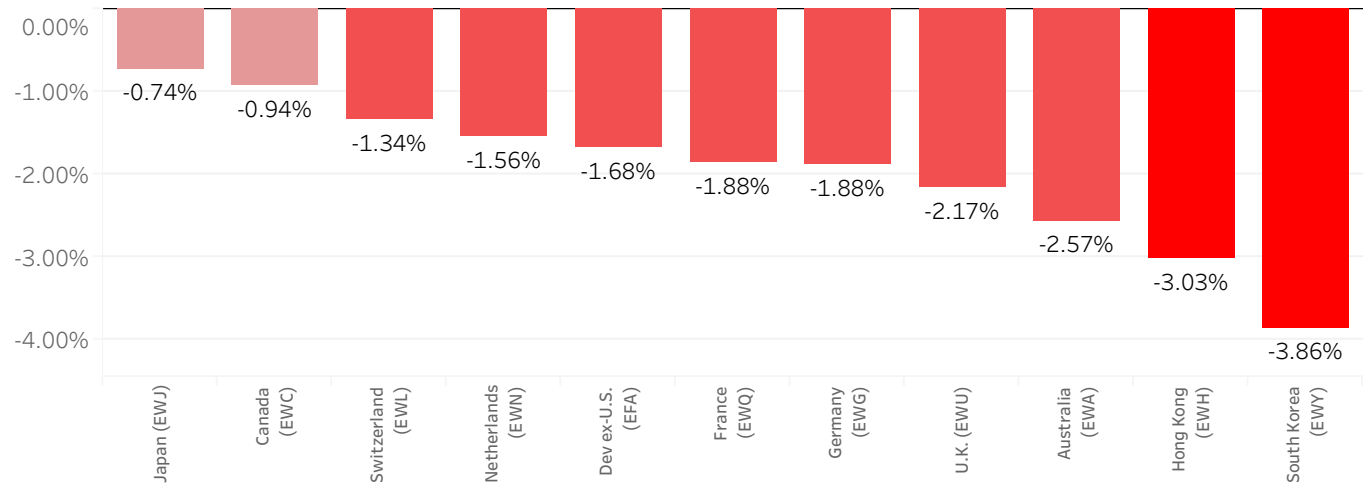


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

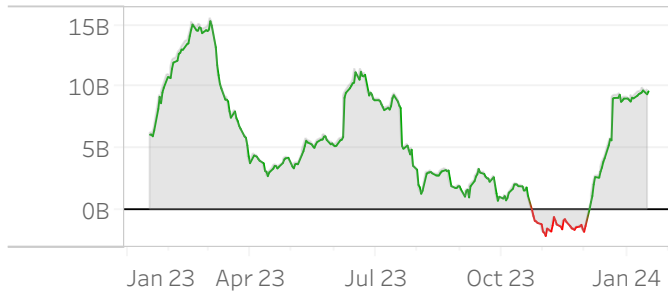
Developed ex-U.S. (EFA)



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



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



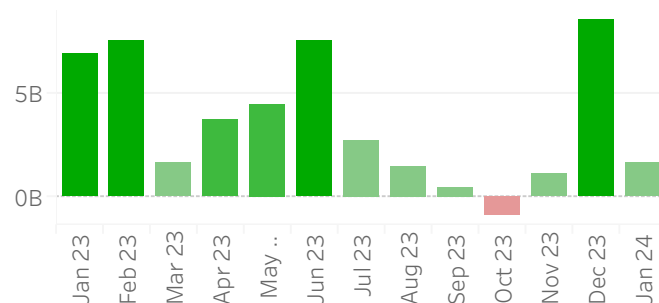
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	0.87%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.78%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.70%
EIRL	iShares MSCI Ireland ETF	0.38%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.26%
EWJV	iShares MSCI Japan Value ETF	-0.30%
FJP	First Trust Japan AlphaDEX Fund	-0.31%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.43%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-0.64%
HEFA	iShares Currency Hedged MSCI EAFE ETF	-0.66%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	80.93
HEWJ	iShares Currency Hedged MSCI Japan ETF	78.41
DXJ	WisdomTree Japan Hedged Equity Fund	74.68
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	68.47
EWJ	iShares MSCI Japan ETF	65.92
FLJP	Franklin FTSE Japan ETF	64.75
FJP	First Trust Japan AlphaDEX Fund	64.51
EWJV	iShares MSCI Japan Value ETF	64.25
JPXN	iShares JPX-Nikkei 400 ETF	63.40
BBJP	JPMorgan BetaBuilders Japan ETF	63.24

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	-3.93%
EWY	iShares MSCI South Korea ETF	-3.86%
NORW	Global X MSCI Norway ETF	-3.31%
AIA	iShares Asia 50 ETF	-3.19%
EWD	iShares MSCI Sweden ETF	-3.10%
EWH	iShares MSCI Hong Kong ETF	-3.03%
ENZL	iShares MSCI New Zealand ETF	-2.91%
EIS	iShares MSCI Israel ETF	-2.72%
GREK	Global X MSCI Greece ETF	-2.64%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-2.60%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EWY	iShares MSCI South Korea ETF	28.89
AIA	iShares Asia 50 ETF	30.13
FLKR	Franklin FTSE South Korea ETF	30.44
EWH	iShares MSCI Hong Kong ETF	31.95
AAXJ	iShares MSCI All Country Asia ex Japan ETF	34.59
EWD	iShares MSCI Sweden ETF	36.23
EPP	iShares MSCI Pacific ex-Japan ETF	36.53
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	37.12
EWU	iShares MSCI United Kingdom ETF	37.67
EWA	iShares MSCI Australia ETF	38.77

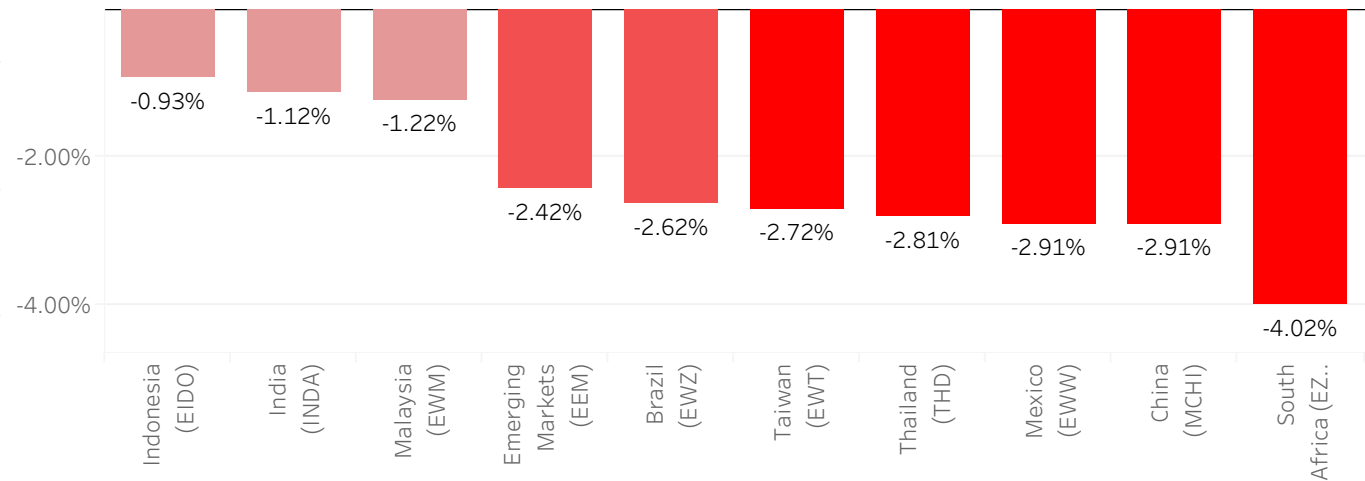
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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



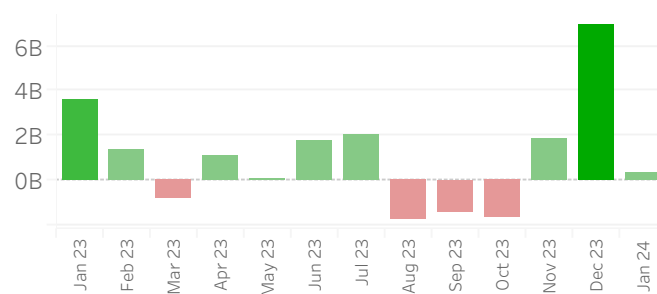
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	0.56%
CNYA	iShares MSCI China A ETF	-0.14%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.27%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.51%
EPI	WisdomTree India Earnings Fund	-0.71%
QAT	iShares MSCI Qatar ETF	-0.83%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.84%
KSA	iShares MSCI Saudi Arabia ETF	-0.84%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.87%
SMIN	iShares MSCI India Small Cap ETF	-0.92%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	75.20
EPI	WisdomTree India Earnings Fund	67.46
SMIN	iShares MSCI India Small Cap ETF	65.95
FLIN	Franklin FTSE India ETF	63.64
INDA	iShares MSCI India ETF	62.90
NFTY	First Trust India NIFTY 50 Equal Weight ETF	62.28
PIN	Invesco India ETF	62.27
GLIN	VanEck India Growth Leaders ETF	61.69
INDY	iShares India 50 ETF	60.33
EPHE	iShares MSCI Philippines ETF	57.46

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EZA	iShares MSCI South Africa ETF	-4.02%
PGJ	Invesco Golden Dragon China ETF	-3.64%
EPOL	iShares MSCI Poland ETF	-3.47%
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.35%
FXI	iShares China Large-Cap ETF	-3.12%
MCHI	iShares MSCI China ETF	-2.91%
EWZ	iShares MSCI Mexico ETF	-2.91%
FLCH	Franklin FTSE China ETF	-2.82%
THD	iShares MSCI Thailand ETF	-2.81%
FLTW	Franklin FTSE Taiwan ETF	-2.73%

Emerging Most Oversold

Ticker	Fund	Price
PGJ	Invesco Golden Dragon China ETF	30.02
CNYA	iShares MSCI China A ETF	30.37
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	30.60
ECNS	iShares MSCI China Small-Cap ETF	30.67
FRDM	Freedom 100 Emerging Markets ETF	30.82
ECH	iShares MSCI Chile ETF	30.91
EWT	iShares MSCI Taiwan ETF	31.09
GXC	SPDR S&P China ETF	31.36
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	31.60
MCHI	iShares MSCI China ETF	31.92

\*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	-0.75%	-0.33%	-0.90%
SHY	1-3 Year Treasury Bonds	-0.16%	0.61%	0.21%
IEF	7-10 Year Treasury Bonds	-0.81%	-0.56%	-0.98%
TLT	20+ Year Treasury Bonds	-1.76%	-4.37%	-4.11%
TIP	TIPS Bonds	-0.51%	-0.36%	-0.23%
FLOT	Floating Rate Bonds	0.00%	0.53%	0.34%
LQD	Investment Grade Corporate	-1.01%	-0.94%	-1.21%
HYG	High Yield Corporate	-0.63%	0.36%	-0.23%
BKLN	Senior Loan	0.00%	0.89%	0.05%
PFF	Preferred & Income Securities	-0.41%	1.29%	0.83%
MUB	Municipal Bonds	-0.26%	0.24%	-0.08%
MBB	MBS	-0.88%	-0.20%	-0.99%
EMB	Dollar Denominated EM Bonds	-0.93%	-1.19%	-1.54%
LEMB	Local Currency EM Bond	-1.40%	-0.39%	-1.63%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.89%	-1.39%	-1.28%
DBE	Energy	-1.47%	-0.69%	1.36%
USO	WTI Crude Oil	-1.13%	0.15%	0.90%
BNO	Brent Crude Oil	-0.72%	1.43%	1.43%
UNG	Natural Gas	-15.25%	19.67%	14.00%
UGA	Gasoline	-0.24%	-0.89%	0.63%
DBP	Precious Metals	-0.91%	-0.56%	-2.04%
GLD	Gold	-0.95%	0.49%	-1.71%
SLV	Silver	-1.09%	-3.99%	-3.76%
PPLT	abrdn Physical Platin..	-0.87%	-4.85%	-9.21%
PALL	abrdn Physical Palla..	-4.39%	-20.36%	-14.70%
DBB	Base Metals	0.58%	-0.99%	-4.81%
CPER	Copper	0.65%	-2.30%	-3.07%
DBA	Agriculture	0.73%	-1.14%	0.10%
CORN	Corn	-1.12%	-7.28%	-5.52%
SOYB	Soybeans	-0.08%	-6.82%	-4.37%
WEAT	Wheat	-2.09%	-5.39%	-5.86%
CANE	Sugar	3.70%	3.27%	6.25%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.87%	1.26%	2.21%
UDN	Short Dollar	-0.88%	-0.65%	-1.90%
FXE	Euro	-0.69%	0.02%	-1.40%
FXB	British Pound Sterling	-0.83%	-0.07%	-0.76%
FXF	Swiss Franc	-1.07%	1.05%	-2.37%
FXJ	Japanese Yen	-1.64%	-3.53%	-4.38%
FXC	Canadian Dollar	-0.60%	-0.73%	-1.69%
FXA	Australian Dollar	-1.48%	-1.62%	-3.27%

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