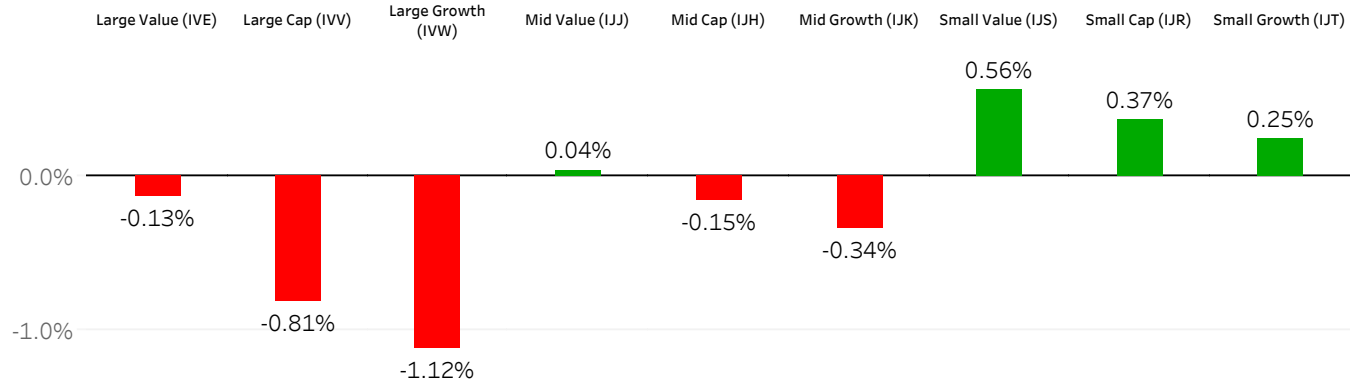


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.13%
SVAL	iShares US Small Cap Value Factor ETF	1.04%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.95%
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.94%
IWC	iShares Micro-Cap ETF	0.85%
SMDV	ProShares Russell 2000 Dividend Growers ETF	0.83%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	0.75%
SIXS	ETC 6 Meridian Small Cap Equity ETF	0.74%
MGMT	Ballast Small/Mid Cap ETF	0.73%
ISMD	Inspire Small/Mid Cap ETF	0.73%

Size & Style Most Overbought

Ticker	Fund	Value
COWZ	Pacer US Cash Cows 100 ETF	75.19
LSAT	Leadershares Alphafactor Tactical Focused ETF	74.19
SPVU	Invesco S&P 500 Enhanced Value ETF	71.11
MBOX	Freedom Day Dividend ETF	70.77
BMVP	Invesco Bloomberg MVP Multi-factor ETF	70.65
PWV	Invesco Large Cap Value ETF	70.40
WTV	WisdomTree US Value Fund of Benef Interest	70.22
PKW	Invesco Buyback Achievers ETF	69.52
RDVY	First Trust Rising Dividend Achievers ETF	69.39
LSAF	LeaderShares AlphaFactor US Core Equity ETF	68.98

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-1.71%
PWB	Invesco Large Cap Growth ETF	-1.58%
QQH	HCM Defender 100 Index ETF	-1.55%
USMC	Principal U.S. Mega-Cap ETF	-1.50%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.35%
MGK	Vanguard Mega Cap Growth ETF	-1.30%
WINN	Harbor Long-Term Growers ETF	-1.27%
IWY	iShares Russell Top 200 Growth ETF	-1.27%
MMLG	First Trust Multi-Manager Large Growth ETF	-1.24%
QQQM	Invesco NASDAQ 100 ETF	-1.20%

Size & Style Most Oversold

Ticker	Fund	Value
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	41.54
TMFS	Motley Fool Small-Cap Growth ETF	43.86
FYT	First Trust Small Cap Value AlphaDEX Fund	44.05
JSML	Janus Henderson Small Cap Growth Alpha ETF	44.14
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	45.31
FYX	First Trust Small Cap Core AlphaDEX Fund	45.43
FYC	First Trust Small Cap Growth AlphaDEX Fund	45.53
EES	WisdomTree U.S. SmallCap Fund	45.83
SVAL	iShares US Small Cap Value Factor ETF	46.02
RZV	Invesco S&P Smallcap 600 Pure Value ETF	46.12

■ 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

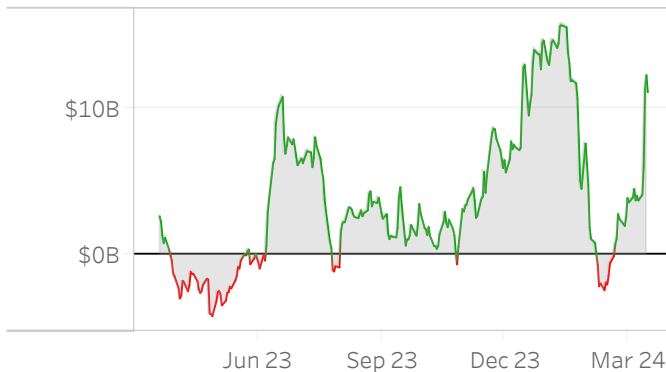
Large-Cap 30-Day Rolling Flows



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	\$1,839B	\$2.83B	\$47.88B	\$127.92B	\$192.42B
Large Cap, Beta, Beta: Growth	10	\$362B	\$5.32B	\$7.89B	\$19.52B	\$26.22B
Large Cap, Beta, Beta: Value	11	\$259B	\$1.48B	\$3.20B	\$8.62B	\$2.32B
Mid Cap, Beta, Beta	10	\$227B	\$4.18B	\$4.84B	\$5.04B	\$10.93B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$1.22B	\$1.53B	\$2.39B	\$3.10B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.66B	(\$0.53B)	(\$1.23B)	(\$3.23B)
Small Cap, Beta, Beta	11	\$234B	\$2.62B	\$7.77B	\$16.48B	\$18.45B
Small Cap, Beta, Beta: Growth	7	\$40B	\$0.78B	\$1.77B	\$2.84B	\$3.10B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.70B	\$0.07B	\$0.30B	(\$1.71B)

U.S. Size & Style Flow Leaders

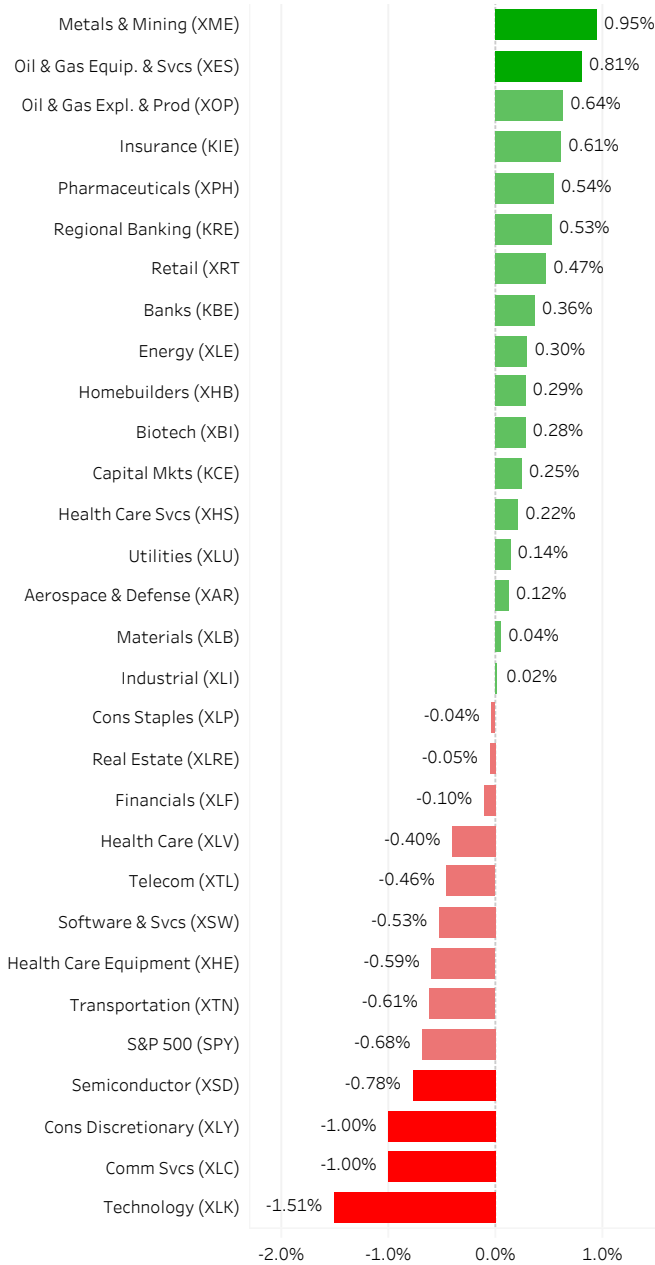
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SCHD	Schwab US Dividend Equity ETF	\$10.09B	\$10.74B	\$11.79B	\$14.55B	\$64.53B
VOO	Vanguard S&P 500 ETF	\$4.61B	\$24.64B	\$38.47B	\$63.53B	\$428.89B
IVW	iShares S&P 500 Growth ETF	\$3.97B	\$1.78B	\$1.62B	\$3.56B	\$42.73B
COWZ	Pacer US Cash Cows 100 ETF	\$3.39B	\$5.23B	\$7.50B	\$8.96B	\$24.62B
VYM	Vanguard High Dividend Yield Index ETF	\$3.33B	\$3.06B	\$2.32B	(\$0.11B)	\$56.65B
DYFN	BlackRock U.S. Equity Factor Rotation ETF	\$2.65B	\$5.94B	\$5.95B	\$5.95B	\$6.20B
QUAL	iShares MSCI USA Quality Factor ETF	\$2.64B	\$1.35B	\$2.77B	\$12.61B	\$41.42B
IJH	iShares Core S&P Mid-Cap ETF	\$2.62B	\$3.26B	\$1.49B	\$6.02B	\$84.25B
VTI	Vanguard Total Stock Market ETF	\$2.52B	\$9.84B	\$15.65B	\$25.12B	\$382.77B
VB	Vanguard Small-Cap ETF	\$2.14B	\$4.02B	\$4.75B	\$5.26B	\$56.16B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ESGU	iShares ESG Aware MSCI USA ETF	(\$1.08B)	(\$1.73B)	(\$1.87B)	(\$10.00B)	\$12.60B
IWY	iShares Russell Top 200 Growth ETF	(\$0.65B)	\$0.71B	\$1.69B	\$1.59B	\$10.06B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.48B)	(\$0.90B)	(\$1.55B)	(\$2.37B)	\$7.59B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.24B)	\$5.24B	\$8.91B	\$11.71B	\$32.91B
RPG	Invesco S&P 500 Pure Growth ETF	(\$0.23B)	(\$0.31B)	(\$0.43B)	(\$0.68B)	\$1.66B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.19B)	(\$0.52B)	(\$0.41B)	(\$0.41B)	\$21.23B
QQQM	Invesco NASDAQ 100 ETF	(\$0.16B)	\$2.82B	\$4.67B	\$9.54B	\$22.34B
IWF	iShares Russell 1000 Growth ETF	(\$0.15B)	(\$0.99B)	\$2.28B	\$1.84B	\$88.67B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.11B)	(\$3.51B)	(\$6.27B)	(\$7.23B)	\$24.80B
IWB	iShares Russell 1000 ETF	(\$0.10B)	(\$0.75B)	(\$0.37B)	(\$1.13B)	\$34.68B

* 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)
XLI	Industrial Select Sector SPDR Fund	-0.43%	26.55%	4.45%	12.13%	64.93
XLB	Materials Select Sector SPDR Fund	-0.48%	21.94%	6.76%	10.48%	71.92
XLF	Financial Select Sector SPDR Fund	-0.90%	29.70%	3.99%	14.25%	66.11
XLC	Communication Services Select Sector SPDR Fund	-1.23%	41.26%	2.10%	13.09%	52.55
SPY	SPDR S&P 500 ETF Trust	-1.34%	26.29%	2.82%	11.31%	55.59
XLV	Health Care Select Sector SPDR Fund	-1.69%	18.04%	1.40%	7.98%	51.13
XLE	Energy Select Sector SPDR Fund	-1.93%	19.55%	8.12%	7.11%	76.70
XLP	Consumer Staples Select Sector SPDR Fund	-2.54%	14.06%	2.47%	4.76%	60.81
XLK	Technology Select Sector SPDR Fund	-2.55%	42.83%	1.65%	13.09%	49.87
XLRE	Real Estate Select Sector SPDR Fund	-3.60%	21.28%	0.51%	4.91%	48.82
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.77%	24.04%	0.27%	4.66%	44.80
XLU	Utilities Select Sector SPDR Fund	-9.30%	12.94%	2.42%	0.92%	57.86

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FXZ	First Trust Materials AlphaDEX Fund	1.28%
PXI	Invesco Dorsey Wright Energy Momentum ETF	1.18%
QABA	First Trust NASDAQ ABA Community Bank Index F..	1.00%
REM	iShares Mortgage Real Estate ETF	0.99%
AMLP	Alerian MLP ETF	0.97%
XME	SPDR S&P Metals & Mining ETF	0.95%
PYZ	Invesco Dorsey Wright Basic Materials Momentu..	0.92%
MORT	VanEck Mortgage REIT Income ETF	0.90%
PXE	Invesco Energy Exploration & Production ETF	0.85%
PSCI	Invesco S&P SmallCap Industrials ETF	0.83%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RSPG	Invesco S&P 500 Equal Weight Energy ETF	79.79
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	78.47
FTXN	First Trust Nasdaq Oil & Gas ETF	78.23
PXE	Invesco Energy Exploration & Production ETF	77.45
XLE	Energy Select Sector SPDR Fund	76.70
VDE	Vanguard Energy ETF	76.50
KBWP	Invesco KBW Property & Casualty Insurance ETF	76.08
IAK	iShares U.S. Insurance ETF	76.02
IYE	iShares U.S. Energy ETF	75.71
FXN	First Trust Energy AlphaDEX Fund	75.65

Sector & Industry 1 Day Performance Laggards

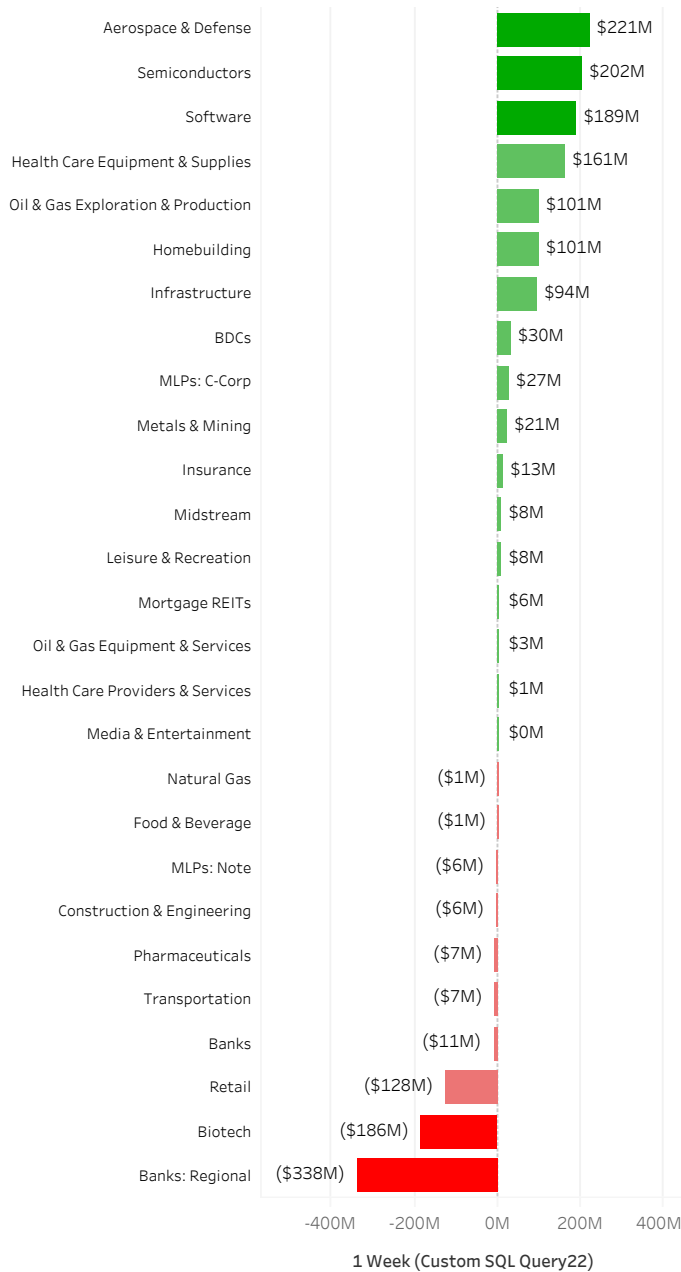
Ticker	Fund	1 Day Performance
IGV	iShares Expanded Tech-Software Sector ETF	-2.80%
PNQI	Invesco NASDAQ Internet ETF	-2.31%
FXL	First Trust Technology AlphaDEX Fund	-1.69%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-1.64%
FDN	First Trust Dow Jones Internet Index Fund	-1.63%
IYW	iShares U.S. Technology ETF	-1.55%
XNTK	SPDR NYSE Technology ETF	-1.52%
XLK	Technology Select Sector SPDR Fund	-1.51%
IGM	iShares Expanded Tech Sector ETF	-1.45%
IETC	iShares U.S. Tech Independence Focused ETF	-1.43%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XTL	SPDR S&P Telecom ETF	34.36
IYZ	iShares U.S. Telecommunications ETF	37.24
PSCT	Invesco S&P SmallCap Information Technology ETF	37.80
XHE	SPDR S&P Health Care Equipment ETF	39.67
QABA	First Trust NASDAQ ABA Community Bank Index Fund	39.71
XPH	SPDR S&P Pharmaceuticals ETF	39.82
PSCC	Invesco S&P SmallCap Consumer Staples ETF	40.05
XTN	SPDR S&P Transportation ETF	40.09
KBWR	Invesco KBW Regional Banking ETF	41.37
PBE	Invesco Biotechnology & Genome ETF	42.28

* 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	\$25B	\$1,573M	\$1,687M	\$2,601M	\$5,479M
Consumer Discretionary	12	\$30B	(\$180M)	\$352M	(\$31M)	\$3,299M
Consumer Staples	10	\$26B	(\$5M)	(\$1,365M)	(\$3,926M)	(\$4,119M)
Energy	30	\$75B	(\$31M)	(\$1,762M)	(\$1,151M)	(\$6,499M)
Financials	26	\$64B	(\$664M)	(\$209M)	(\$1,837M)	(\$4,563M)
Health Care	23	\$93B	(\$97M)	\$273M	(\$3,707M)	(\$6,161M)
Industrial	13	\$40B	\$732M	\$1,695M	\$917M	\$1,965M
Materials	9	\$12B	\$233M	(\$165M)	(\$1,617M)	(\$3,406M)
Multi-Sector	16	\$23B	\$158M	\$1,084M	\$464M	\$3,197M
Real Estate	25	\$60B	\$338M	\$1,805M	\$3,187M	\$1,961M
Technology	23	\$200B	\$4,768M	\$8,206M	\$13,857M	\$15,550M
Utilities	9	\$20B	(\$72M)	(\$2,209M)	(\$3,300M)	(\$3,584M)

U.S. Sector & Industry Flow Leaders

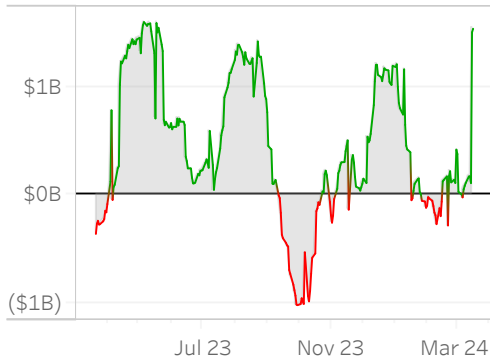
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$2,586M	\$3,328M	\$6,186M	\$6,242M	\$67,136M
XLC	Communication Services Select Sector SPDR Fu..	\$1,597M	\$1,589M	\$2,611M	\$5,101M	\$19,257M
IYW	iShares U.S. Technology ETF	\$1,102M	\$1,548M	\$2,922M	\$2,392M	\$17,047M
XLI	Industrial Select Sector SPDR Fund	\$457M	\$843M	\$36M	\$827M	\$17,409M
IGM	iShares Expanded Tech Sector ETF	\$271M	\$236M	\$336M	\$280M	\$4,526M
XLB	Materials Select Sector SPDR Fund	\$230M	\$101M	(\$684M)	(\$761M)	\$5,450M
RSPT	Invesco S&P 500 Equal Weight Technology ETF	\$215M	\$350M	\$483M	\$726M	\$4,104M
XAR	SPDR S&P Aerospace & Defense ETF	\$194M	\$241M	\$431M	\$456M	\$2,239M
IGV	iShares Expanded Tech-Software Sector ETF	\$180M	(\$364M)	(\$347M)	(\$91M)	\$7,593M
IHI	iShares U.S. Medical Devices ETF	\$161M	(\$109M)	(\$377M)	(\$700M)	\$5,646M

U.S. Sector & Industry Flow Laggards

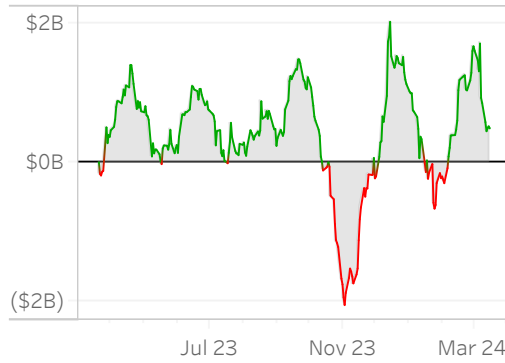
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$385M)	\$833M	(\$768M)	(\$792M)	\$36,934M
KRE	SPDR S&P Regional Banking ETF	(\$340M)	(\$599M)	(\$486M)	(\$1,455M)	\$2,643M
XLE	Energy Select Sector SPDR Fund	(\$148M)	(\$1,849M)	(\$980M)	(\$3,620M)	\$37,614M
XBI	SPDR S&P BIOTECH ETF	(\$145M)	(\$311M)	\$50M	(\$462M)	\$7,330M
XRT	SPDR S&P Retail ETF	(\$128M)	(\$231M)	(\$135M)	(\$353M)	\$297M
XLU	Utilities Select Sector SPDR Fund	(\$108M)	(\$2,097M)	(\$2,437M)	(\$2,344M)	\$12,111M
XLV	Health Care Select Sector SPDR Fund	(\$107M)	\$284M	(\$2,266M)	(\$2,557M)	\$41,009M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$81M)	\$315M	\$71M	\$2,335M	\$19,774M
IFRA	iShares U.S. Infrastructure ETF	(\$49M)	(\$53M)	(\$52M)	\$146M	\$2,248M
FDN	First Trust Dow Jones Internet Index Fund	(\$41M)	(\$79M)	(\$605M)	\$679M	\$6,387M

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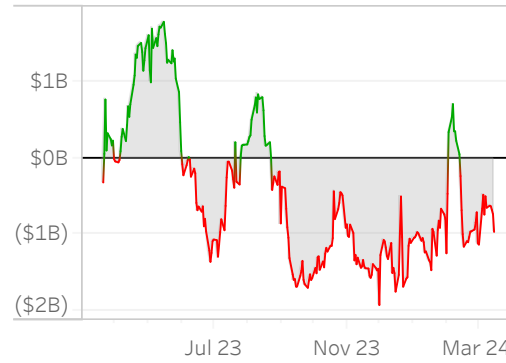
Communication Services



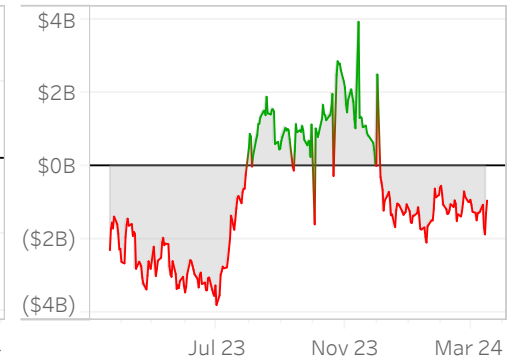
Consumer Discretionary



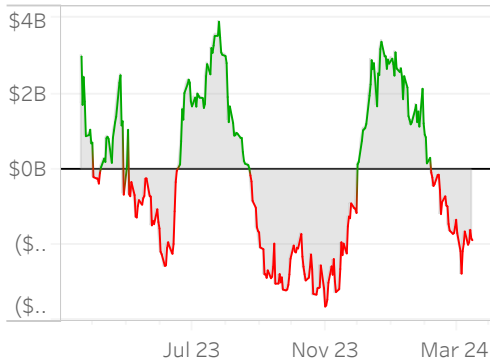
Consumer Staples



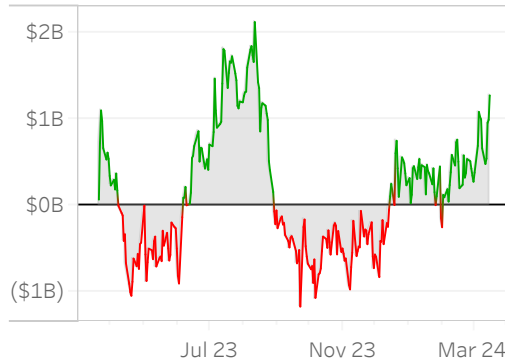
Energy



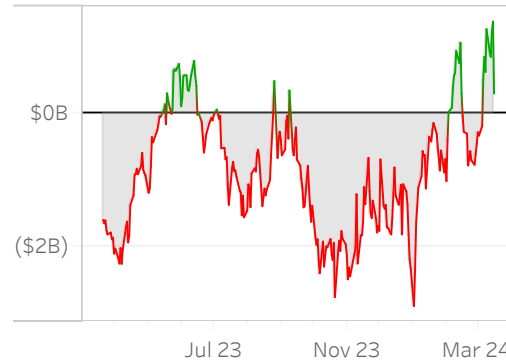
Financials



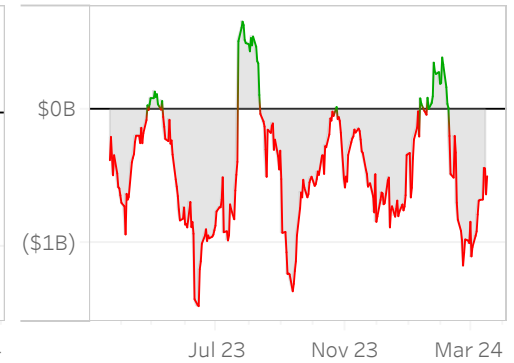
Industrial



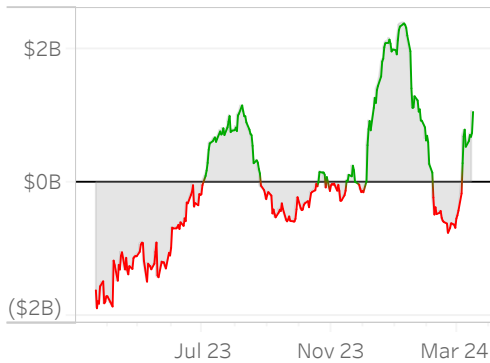
Health Care



Materials



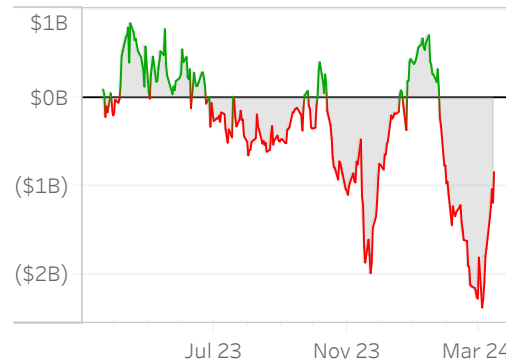
Real Estate



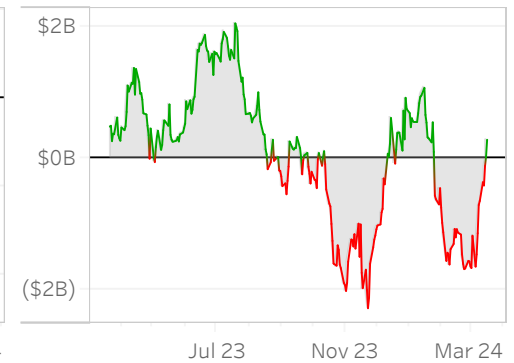
Technology



Utilities

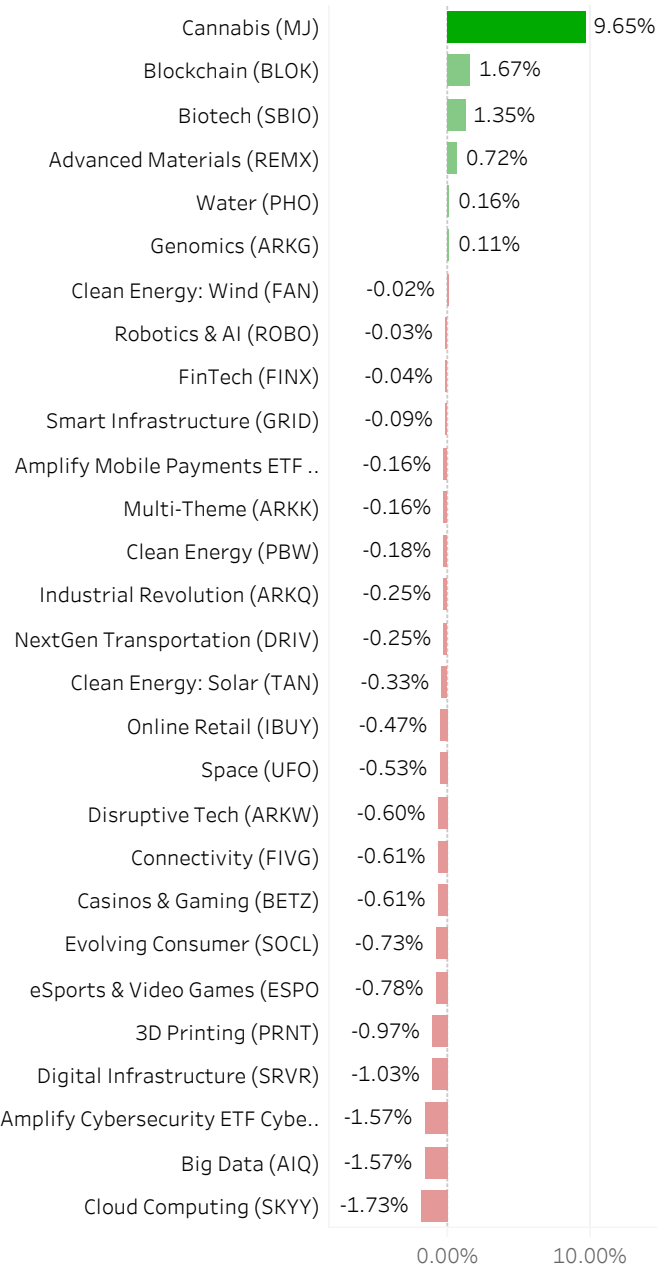


Multi-Sector

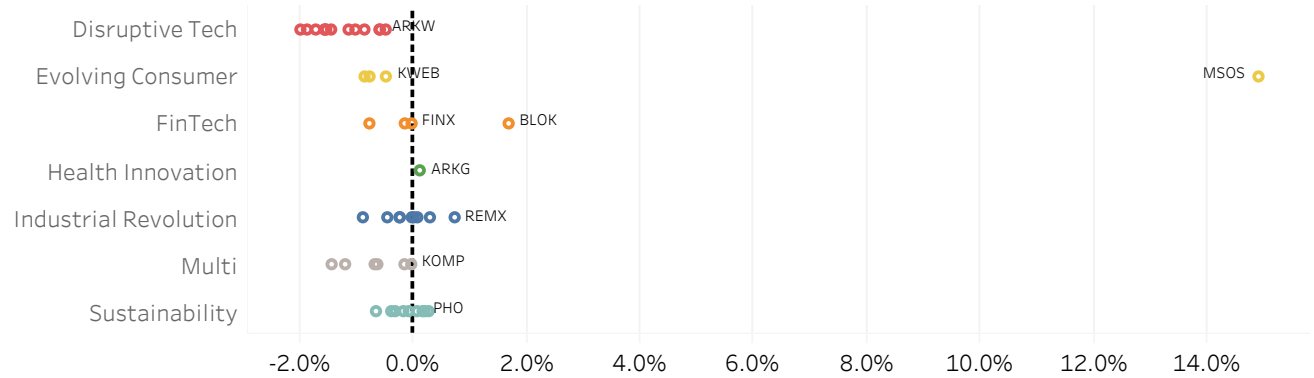


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	14.90%
MJUS	Amplify U.S. Alternative Harvest ETF	13.24%
MJ	Amplify Alternative Harvest ETF Alternative Harvest ETF	9.65%
WGMI	Valkyrie Bitcoin Miners ETF	6.55%
DAPP	VanEck Digital Transformation ETF	6.29%
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ..	6.08%
BKCH	Global X Blockchain ETF	5.35%
BITQ	Bitwise Crypto Industry Innovators ETF	4.46%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	3.62%
BLOK	Amplify Transformational Data Sharing ETF	1.67%

Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	67.28
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	66.60
EBIZ	Global X E-Commerce ETF	64.99
CGW	Invesco S&P Global Water Index ETF	63.86
ONLN	ProShares Online Retail ETF	63.79
EBLU	Ecofin Global Water ESG Fund	62.86
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	62.24
IPAY	Amplify Mobile Payments ETF Mobile Payments ETF	62.11
PIO	Invesco Global Water ETF	61.85
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy E..	61.08

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
WCLD	WisdomTree Cloud Computing Fund	-2.00%
BUG	Global X Cybersecurity ETF	-1.88%
FCLD	Fidelity Cloud Computing ETF	-1.85%
ENTR	ERShares Entrepreneurs ETF	-1.79%
SKYY	First Trust Cloud Computing ETF	-1.73%
WCBR	WisdomTree Cybersecurity Fund	-1.58%
AIQ	Global X Artificial Intelligence & Technology ETF	-1.57%
HACK	Amplify Cybersecurity ETF Cybersecurity ETF	-1.57%
CIBR	First Trust NASDAQ Cybersecurity ETF	-1.54%
IHAK	iShares Cybersecurity & Tech ETF	-1.46%

Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	33.61
PBW	Invesco WilderHill Clean Energy ETF	34.74
ACES	ALPS Clean Energy ETF	35.94
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	35.96
ICLN	iShares Global Clean Energy ETF	37.64
ARKG	ARK Genomic Revolution ETF	38.20
CNRG	SPDR S&P Kensho Clean Power ETF	38.97
WCLD	WisdomTree Cloud Computing Fund	39.31
SPRX	Spear Alpha ETF	39.89
WCBR	WisdomTree Cybersecurity Fund	40.28

* 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	Flow
PHO	Invesco Water Resources ETF	\$151M
AIQ	Global X Artificial Intelligence & Technology ETF	\$107M
ESPO	VanEck Video Gaming and eSports ETF	\$45M
FIVG	Defiance Next Gen Connectivity ETF	\$39M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$23M
BITO	Bitwise Crypto Industry Innovators ETF	\$16M
THNQ	ROBO Global Artificial Intelligence ETF	\$14M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$12M
GNOM	Global X Genomics & Biotechnology ETF	\$7M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M

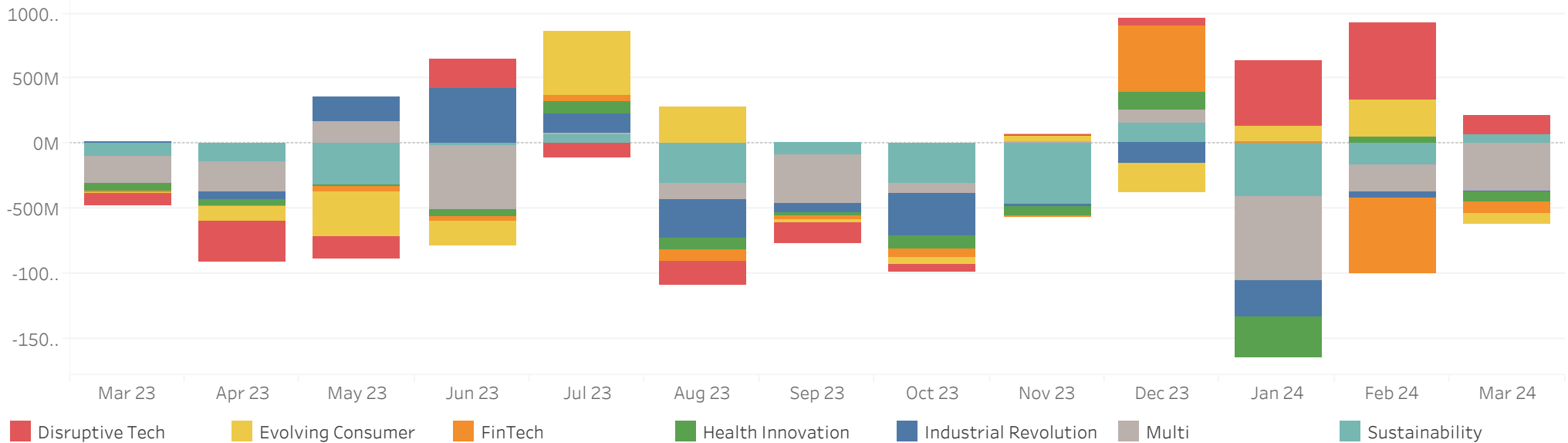
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$504M)
ARKK	ARK Innovation ETF	(\$210M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$62M)
ARKG	ARK Genomic Revolution ETF	(\$41M)
KWEB	KraneShares CSI China Internet ETF	(\$37M)
LIT	Global X Lithium & Battery Tech ETF	(\$28M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$26M)
TAN	Invesco Solar ETF	(\$11M)
HACK	Amplify Cybersecurity ETF Cybersecurity ETF	(\$10M)
SKYY	First Trust Cloud Computing ETF	(\$10M)

Thematic Landscape Assets & Flows

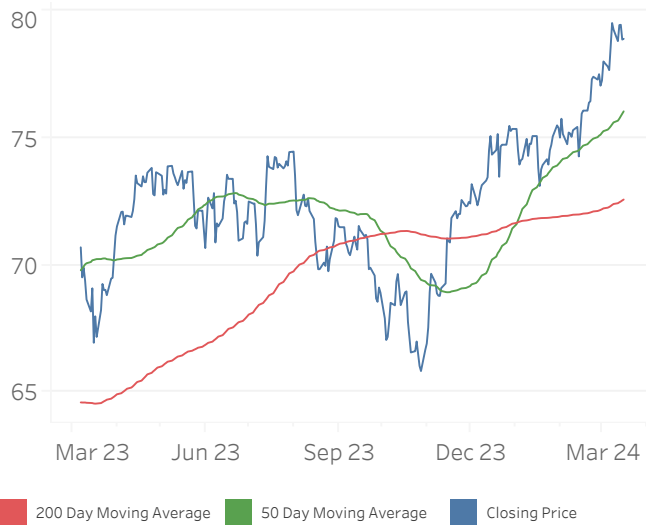
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$12M	\$1,238M	\$1,120M	\$443M
Evolving Consumer	34	\$9B	\$15M	\$216M	\$86M	\$220M
FinTech	17	\$3B	\$18M	(\$410M)	(\$207M)	(\$406M)
Health Innovation	17	\$2B	(\$11M)	(\$139M)	(\$321M)	(\$552M)
Industrial Revolution	30	\$10B	\$1M	(\$415M)	(\$887M)	(\$496M)
Multi	33	\$15B	(\$254M)	(\$1,267M)	(\$1,319M)	(\$2,421M)
Sustainability	39	\$12B	\$151M	(\$412M)	(\$1,161M)	(\$2,025M)
Grand Total	203	\$73B	(\$68M)	(\$1,188M)	(\$2,688M)	(\$5,237M)

Thematic Monthly Flows

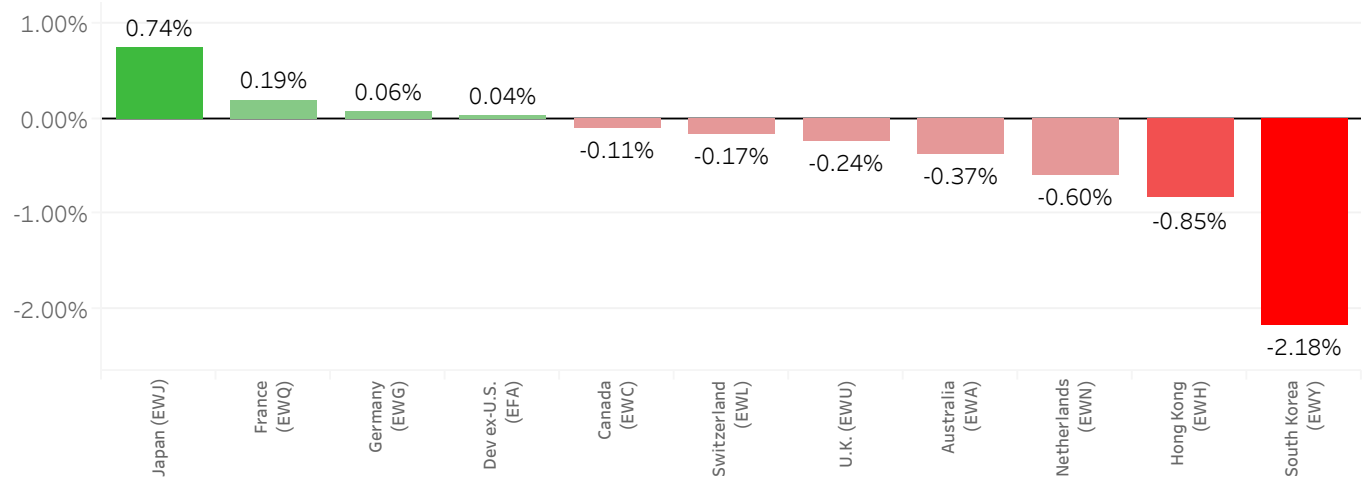


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

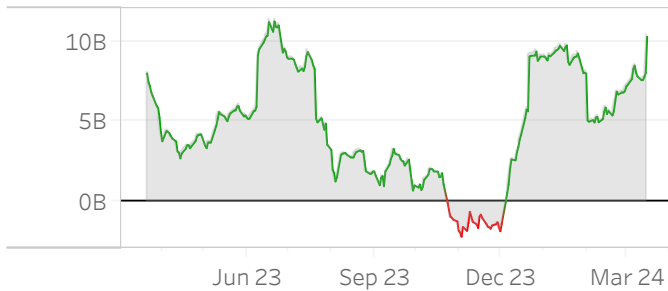
Developed ex-U.S. (EFA)



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



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



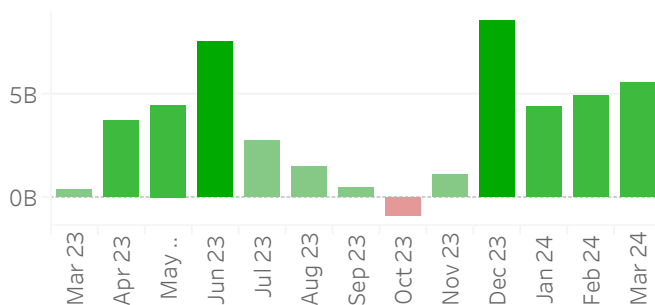
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.60%
DXJ	WisdomTree Japan Hedged Equity Fund	1.46%
EIRL	iShares MSCI Ireland ETF	1.39%
EWJV	iShares MSCI Japan Value ETF	1.32%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.28%
EWP	iShares MSCI Spain ETF	1.18%
FJP	First Trust Japan AlphaDEX Fund	1.10%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.00%
IVAL	Alpha Architect International Quantitative Value ETF	0.84%
IVLU	iShares MSCI Intl Value Factor ETF	0.80%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWI	iShares MSCI Italy ETF	75.21
EWQ	iShares MSCI France ETF	72.91
HEDJ	WisdomTree Europe Hedged Equity Fund	71.94
HEZU	iShares Currency Hedged MSCI Eurozone ETF	71.05
EIRL	iShares MSCI Ireland ETF	71.02
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	69.69
LVHI	Franklin International Low Volatility High Dividend Index ..	69.51
DAX	Global X DAX Germany ETF	69.41
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	69.27
IDMO	Invesco S&P International Developed Momentum ETF	69.22

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWY	iShares MSCI South Korea ETF	-2.18%
FLKR	Franklin FTSE South Korea ETF	-1.93%
EIS	iShares MSCI Israel ETF	-1.27%
AIA	iShares Asia 50 ETF	-1.24%
EDEM	iShares MSCI Denmark ETF	-0.85%
EWH	iShares MSCI Hong Kong ETF	-0.85%
ENZL	iShares MSCI New Zealand ETF	-0.77%
ISRA	VanEck Israel ETF	-0.73%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.71%
IDHQ	Invesco S&P International Developed High Quality ETF	-0.68%

Developed ex-U.S. Most Oversold

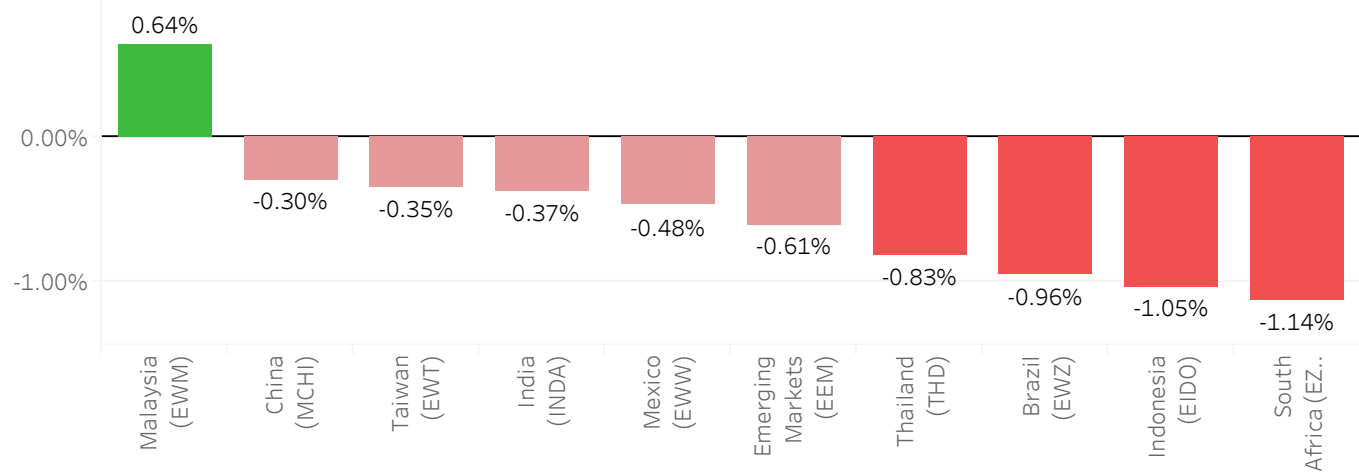
Ticker	Fund	Price
ISRA	VanEck Israel ETF	42.38
ENZL	iShares MSCI New Zealand ETF	43.12
EIS	iShares MSCI Israel ETF	43.82
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	49.39
EWA	iShares MSCI Australia ETF	49.69
EPP	iShares MSCI Pacific ex-Japan ETF	50.75
EWH	iShares MSCI Hong Kong ETF	51.02
MINV	Matthews Asia Innovators Active ETF	51.06
EFAD	ProShares MSCI EAFE Dividend Growers ETF	51.52
FIDI	Fidelity International High Dividend ETF	51.84

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

Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



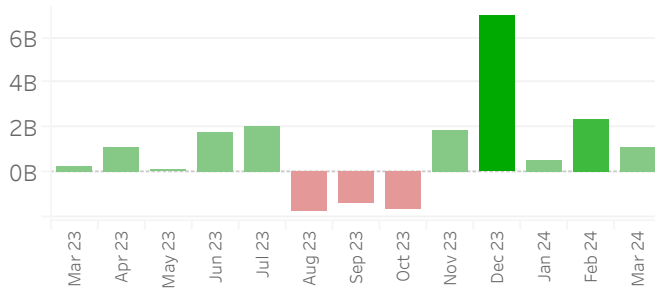
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru and Global Exposure ETF	2.05%
CNYA	iShares MSCI China A ETF	0.78%
SMIN	iShares MSCI India Small Cap ETF	0.76%
EWM	iShares MSCI Malaysia ETF	0.64%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.61%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	0.51%
BKF	iShares MSCI BIC ETF	0.47%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.36%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.34%
EEMS	iShares MSCI Emerging Markets Small Cap ETF	0.27%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru and Global Exposure ETF	84.92
FM	iShares Frontier and Select EM ETF	71.83
EWM	iShares MSCI Malaysia ETF	66.49
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	65.66
ECH	iShares MSCI Chile ETF	65.28
EELV	Invesco S&P Emerging Markets Low Volatility ETF	64.61
EDIV	SPDR S&P Emerging Markets Dividend ETF	64.60
CNYA	iShares MSCI China A ETF	62.82
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	62.26
FLTW	Franklin FTSE Taiwan ETF	62.25

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	-2.29%
EPHE	iShares MSCI Philippines ETF	-2.11%
FRDM	Freedom 100 Emerging Markets ETF	-1.34%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.31%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-1.29%
KEMX	KraneShares MSCI Emerging Markets EX China Index ETF	-1.19%
EZA	iShares MSCI South Africa ETF	-1.14%
FLBR	Franklin FTSE Brazil ETF	-1.12%
EIDO	iShares MSCI Indonesia ETF	-1.05%
DVYE	iShares Emerging Markets Dividend ETF	-0.98%

Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	35.96
SMIN	iShares MSCI India Small Cap ETF	36.70
EPI	WisdomTree India Earnings Fund	38.42
EWZ	iShares MSCI Brazil ETF	40.18
FLBR	Franklin FTSE Brazil ETF	40.93
GLIN	VanEck India Growth Leaders ETF	41.37
PIN	Invesco India ETF	42.09
INDA	iShares MSCI India ETF	43.19
FLIN	Franklin FTSE India ETF	43.33
INDY	iShares India 50 ETF	44.23

* 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	-0.01%	-0.03%	-1.59%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.04%	-0.08%
IEF	7-10 Year Treasury Bonds	-0.17%	-0.27%	-2.35%
TLT	20+ Year Treasury Bonds	-0.03%	-0.07%	-5.42%
TIP	TIPS Bonds	-0.07%	0.05%	-1.09%
FLOT	Floating Rate Bonds	0.00%	0.51%	1.65%
LQD	Investment Grade Corporate	0.03%	0.31%	-1.88%
HYG	High Yield Corporate	-0.06%	0.48%	0.65%
BKLN	Senior Loan	0.05%	1.13%	1.50%
PFF	Preferred & Income Securities	0.22%	1.20%	4.04%
MUB	Municipal Bonds	-0.06%	-0.07%	-0.22%
MBB	MBS	-0.07%	-0.10%	-1.94%
EMB	Dollar Denominated EM Bonds	-0.32%	1.03%	0.00%
LEMB	Local Currency EM Bond	-0.19%	1.09%	-1.25%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.23%	4.80%	2.04%
DBE	Energy	0.13%	3.03%	7.22%
USO	WTI Crude Oil	0.04%	4.79%	14.52%
BNO	Brent Crude Oil	0.10%	4.20%	13.62%
UNG	Natural Gas	-2.83%	2.16%	-25.39%
UGA	Gasoline	0.65%	6.20%	16.01%
DBP	Precious Metals	0.05%	8.04%	4.88%
GLD	Gold	-0.32%	7.57%	4.47%
SLV	Silver	1.32%	9.98%	5.74%
PPLT	abrdn Physical Platin..	1.05%	4.43%	-5.27%
PALL	abrdn Physical Palla..	0.91%	12.95%	-1.87%
DBB	Base Metals	1.06%	6.62%	-0.60%
CPER	Copper	1.98%	9.97%	6.50%
DBA	Agriculture	2.17%	8.21%	13.74%
CORN	Corn	0.66%	2.78%	-7.51%
SOYB	Soybeans	-0.04%	3.23%	-6.48%
WEAT	Wheat	-0.39%	-3.77%	-14.57%
CANE	Sugar	0.84%	-0.97%	6.98%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.11%	-0.36%	3.29%
UDN	Short Dollar	-0.09%	1.11%	-1.47%
FXE	Euro	-0.03%	1.30%	-0.87%
FXB	British Pound Sterling	-0.15%	1.37%	0.60%
FXF	Swiss Franc	0.00%	-0.37%	-4.76%
FXJ	Japanese Yen	-0.50%	0.58%	-5.55%
FXC	Canadian Dollar	-0.09%	-0.25%	-1.63%
FXA	Australian Dollar	-0.34%	0.74%	-3.39%

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