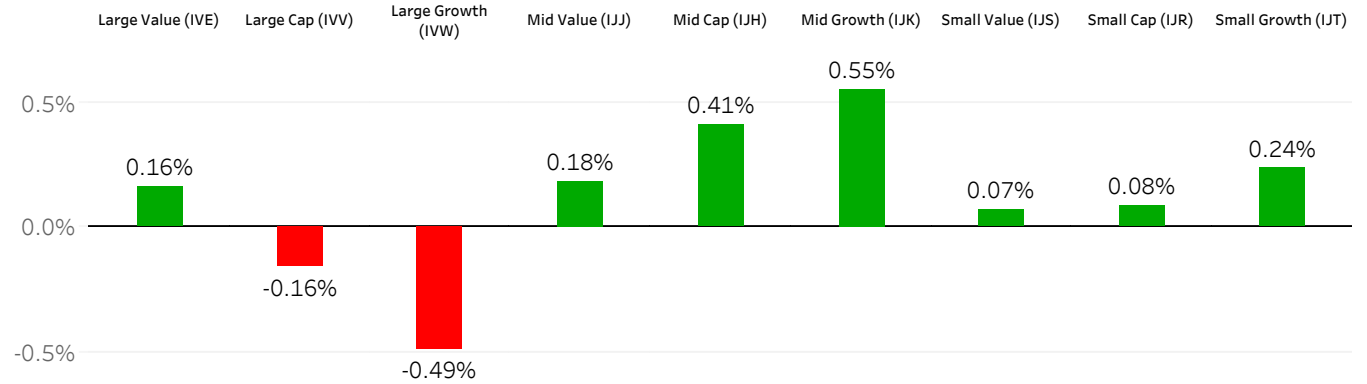


Large Cap Blend (S&P 500) IVV



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
GRPM	Invesco S&P MidCap 400 GARP ETF	1.48%
QVAL	Alpha Architect US Quantitative Value ETF	1.28%
XMHQ	Invesco S&P MidCap Quality ETF	1.22%
COWZ	Pacer US Cash Cows 100 ETF	1.06%
LSAT	Leadershares Alphafactor Tactical Focused ETF	0.94%
SYLD	Cambria Shareholder Yield ETF	0.81%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	0.80%
XMMO	Invesco S&P MidCap Momentum ETF	0.79%
SPVU	Invesco S&P 500 Enhanced Value ETF	0.76%
OUSM	ALPS O'Shares US Small-Cap Quality Dividend ETF	0.76%

Size & Style Most Overbought

Ticker	Fund	Price
PWV	Invesco Large Cap Value ETF	80.80
RDVY	First Trust Rising Dividend Achievers ETF	79.61
COWZ	Pacer US Cash Cows 100 ETF	78.97
SPVU	Invesco S&P 500 Enhanced Value ETF	78.74
IWX	iShares Russell Top 200 Value ETF	78.69
LSAT	Leadershares Alphafactor Tactical Focused ETF	78.46
WTV	WisdomTree US Value Fund of Benef Interest	77.87
BMVP	Invesco Bloomberg MVP Multi-factor ETF	77.38
SCHV	Schwab U.S. Large-Cap Value ETF	76.91
ONEY	SPDR Russell 1000 Yield Focus ETF	76.80

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QQH	HCM Defender 100 Index ETF	-1.09%
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	-0.82%
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	-0.80%
VEGN	US Vegan Climate ETF	-0.79%
QQQ	Invesco QQQ Trust Series I	-0.77%
QQQM	Invesco NASDAQ 100 ETF	-0.76%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-0.76%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-0.63%
VUSE	Vident U.S. Equity Strategy ETF	-0.61%
ONEQ	Fidelity Nasdaq Composite Index ETF	-0.56%

Size & Style Most Oversold

Ticker	Fund	Price
SVAL	iShares US Small Cap Value Factor ETF	49.44
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	49.66
CALF	Pacer US Small Cap Cash Cows 100 ETF	50.05
XSHQ	Invesco S&P SmallCap Quality ETF	50.12
SIXS	ETC 6 Meridian Small Cap Equity ETF	50.17
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	50.21
FYT	First Trust Small Cap Value AlphaDEX Fund	50.43
SMDV	ProShares Russell 2000 Dividend Growers ETF	50.53
JSML	Janus Henderson Small Cap Growth Alpha ETF	50.58
FYX	First Trust Small Cap Core AlphaDEX Fund	50.91

■ 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	\$1,851B	\$1.13B	\$61.97B	\$125.59B	\$198.54B
Large Cap, Beta, Beta: Growth	10	\$360B	\$2.27B	\$2.26B	\$15.42B	\$24.40B
Large Cap, Beta, Beta: Value	11	\$260B	\$2.29B	(\$9.24B)	\$9.06B	\$3.04B
Mid Cap, Beta, Beta	10	\$228B	\$2.14B	\$0.08B	\$1.54B	\$9.79B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$0.71B	\$1.01B	\$1.85B	\$2.86B
Mid Cap, Beta, Beta: Value	6	\$42B	\$1.02B	(\$2.84B)	(\$1.25B)	(\$2.86B)
Small Cap, Beta, Beta	11	\$239B	\$5.25B	\$9.76B	\$15.88B	\$21.53B
Small Cap, Beta, Beta: Growth	7	\$41B	\$0.92B	\$1.84B	\$2.69B	\$3.54B
Small Cap, Beta, Beta: Value	7	\$55B	\$1.06B	(\$1.25B)	\$0.48B	(\$1.22B)

U.S. Size & Style Flow Leaders

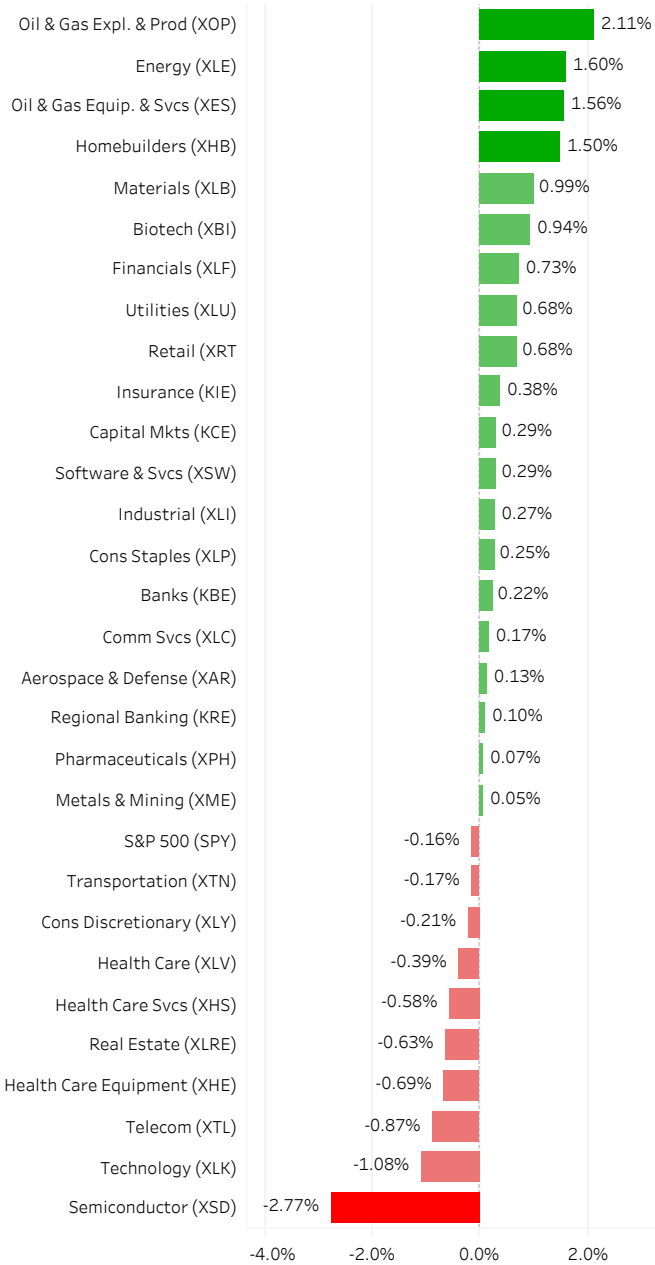
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$5.09B	\$23.65B	\$43.75B	\$62.63B	\$458.73B
VB	Vanguard Small-Cap ETF	\$3.48B	\$4.80B	\$5.59B	\$7.04B	\$58.12B
VTI	Vanguard Total Stock Market ETF	\$3.47B	\$10.12B	\$14.85B	\$26.94B	\$385.48B
VO	Vanguard Mid-Cap ETF	\$2.22B	\$0.91B	\$1.73B	\$4.30B	\$65.20B
VUG	Vanguard Growth ETF	\$2.12B	\$0.97B	\$5.08B	\$7.00B	\$119.81B
VTV	Vanguard Value ETF	\$1.83B	\$1.63B	\$1.56B	(\$1.10B)	\$115.15B
IWM	iShares Russell 2000 ETF	\$1.63B	\$0.70B	\$5.63B	\$4.69B	\$63.73B
VOO	Vanguard S&P 500 ETF	\$1.31B	\$21.17B	\$33.71B	\$60.17B	\$426.88B
VBR	Vanguard Small Cap Value ETF	\$1.07B	\$0.34B	\$0.44B	\$0.45B	\$28.94B
VOE	Vanguard Mid-Cap Value ETF	\$1.07B	(\$0.40B)	(\$0.85B)	(\$0.57B)	\$17.35B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$1.39B)	\$5.67B	\$7.59B	\$14.94B	\$255.19B
IWY	iShares Russell Top 200 Growth ETF	(\$0.66B)	\$0.70B	\$1.77B	\$2.17B	\$10.07B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.21B)	\$0.04B	(\$0.74B)	(\$3.85B)	\$10.13B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.18B)	(\$1.10B)	(\$0.90B)	\$3.71B	\$82.48B
QQQM	Invesco NASDAQ 100 ETF	(\$0.17B)	\$2.84B	\$4.63B	\$9.55B	\$22.55B
IWB	iShares Russell 1000 ETF	(\$0.11B)	(\$0.13B)	(\$0.65B)	(\$1.06B)	\$34.88B
IMCG	iShares Morningstar Mid-Cap Growth ETF	(\$0.10B)	\$0.11B	\$0.15B	\$0.30B	\$2.04B
DFAT	Dimensional U.S. Targeted Value ETF	(\$0.10B)	\$0.13B	\$0.26B	\$0.60B	\$9.61B
IWF	iShares Russell 1000 Growth ETF	(\$0.10B)	(\$0.82B)	\$2.54B	\$2.29B	\$89.04B
DFAS	Dimensional U.S. Small Cap ETF	(\$0.09B)	\$0.46B	\$1.02B	\$1.62B	\$7.64B

* 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)
XLB	Materials Select Sector SPDR Fund	0.00%	22.54%	7.61%	11.17%	76.16
XLC	Communication Services Select Sector SPDR Fund	0.00%	43.69%	3.79%	14.77%	59.85
XLF	Financial Select Sector SPDR Fund	0.00%	31.04%	5.27%	15.53%	77.66
XLI	Industrial Select Sector SPDR Fund	-0.02%	27.06%	5.27%	12.79%	69.20
SPY	SPDR S&P 500 ETF Trust	-0.16%	30.43%	4.44%	12.85%	65.75
XLV	Health Care Select Sector SPDR Fund	-0.95%	18.94%	2.35%	8.92%	57.90
XLK	Technology Select Sector SPDR Fund	-1.08%	44.99%	3.66%	15.07%	55.87
XLP	Consumer Staples Select Sector SPDR Fund	-1.74%	15.00%	3.51%	5.66%	69.90
XLRE	Real Estate Select Sector SPDR Fund	-2.17%	23.08%	1.98%	6.53%	56.37
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.18%	27.73%	2.08%	6.50%	53.35
XLE	Energy Select Sector SPDR Fund	-3.21%	17.98%	7.04%	5.83%	73.32
XLU	Utilities Select Sector SPDR Fund	-8.70%	13.69%	3.03%	1.54%	61.92

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXE	Invesco Energy Exploration & Production ETF	2.54%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	2.33%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	2.11%
FTXN	First Trust Nasdaq Oil & Gas ETF	1.96%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.72%
XLE	Energy Select Sector SPDR Fund	1.60%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.56%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	1.56%
FXN	First Trust Energy AlphaDEX Fund	1.54%
VDE	Vanguard Energy ETF	1.53%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYF	iShares U.S. Financials ETF	78.28
IAK	iShares U.S. Insurance ETF	78.12
VFH	Vanguard Financials ETF	77.88
FNCL	Fidelity MSCI Financials Index ETF	77.83
XLF	Financial Select Sector SPDR Fund	77.66
FXG	First Trust Consumer Staples AlphaDEX Fund	77.21
RSPG	Invesco S&P 500 Equal Weight Energy ETF	77.06
IYG	iShares US Financial Services ETF	76.26
XLB	Materials Select Sector SPDR Fund	76.16
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	75.46

Sector & Industry 1 Day Performance Laggards

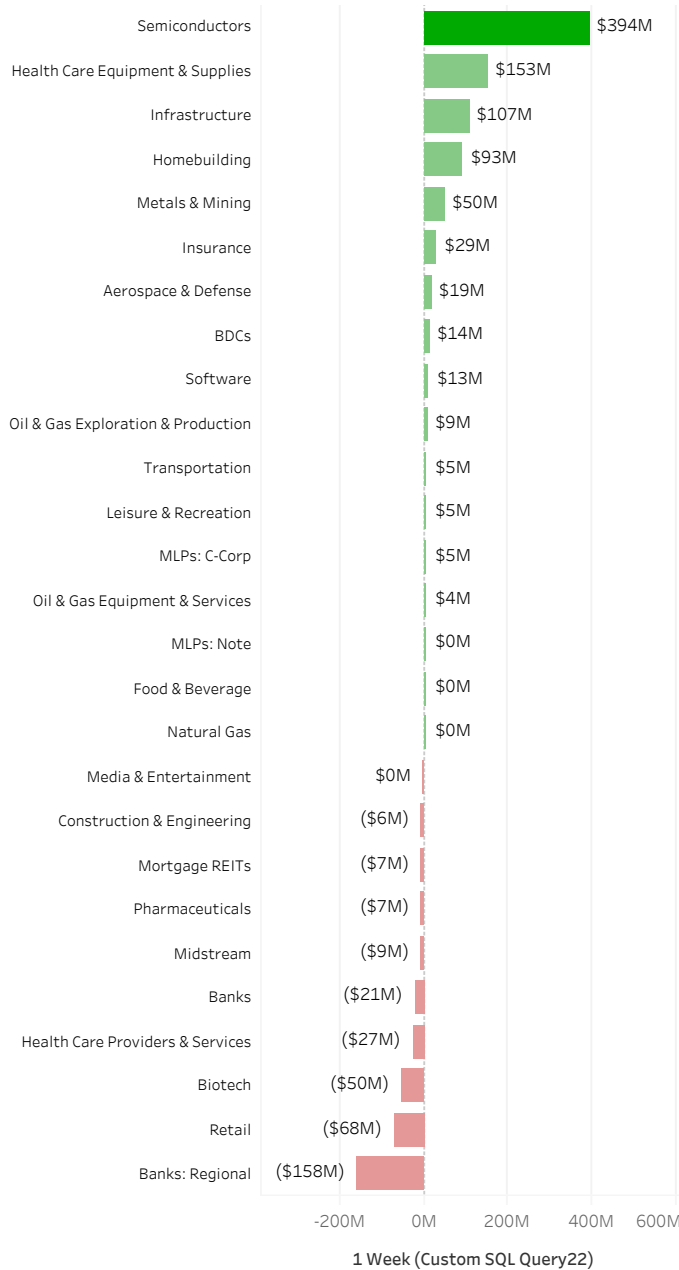
Ticker	Fund	1 Day Performance
XSD	SPDR S&P Semiconductor ETF	-2.77%
PSI	Invesco Semiconductors ETF	-2.55%
SOXQ	Invesco PHLX Semiconductor ETF	-2.46%
SOXX	iShares Semiconductor ETF	-2.44%
FTXL	First Trust Nasdaq Semiconductor ETF	-2.39%
IGPT	Invesco AI and Next Gen Software ETF	-1.79%
RSPT	Invesco S&P 500 Equal Weight Technology ETF	-1.32%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-1.24%
PSCT	Invesco S&P SmallCap Information Technology ETF	-1.18%
NETL	NETLease Corporate Real Estate ETF	-1.08%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	39.96
XTL	SPDR S&P Telecom ETF	42.01
QABA	First Trust NASDAQ ABA Community Bank Index Fund	42.92
PSCT	Invesco S&P SmallCap Information Technology ETF	44.84
PSCC	Invesco S&P SmallCap Consumer Staples ETF	44.89
XHE	SPDR S&P Health Care Equipment ETF	46.29
KBWR	Invesco KBW Regional Banking ETF	46.75
IYZ	iShares U.S. Telecommunications ETF	46.97
KBWY	Invesco KBW Premium Yield Equity REIT ETF	48.40
NETL	NETLease Corporate Real Estate ETF	48.85

* 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	\$23B	\$17M	\$112M	\$988M	\$3,933M
Consumer Discretionary	12	\$31B	(\$339M)	\$87M	\$451M	\$3,612M
Consumer Staples	10	\$26B	(\$11M)	(\$1,424M)	(\$3,725M)	(\$4,001M)
Energy	30	\$73B	\$19M	(\$1,767M)	(\$1,143M)	(\$7,159M)
Financials	26	\$65B	\$89M	(\$85M)	(\$2,001M)	(\$999M)
Health Care	23	\$94B	(\$20M)	\$129M	(\$3,160M)	(\$5,614M)
Industrial	13	\$40B	\$121M	\$1,160M	\$571M	\$1,404M
Materials	9	\$12B	\$214M	(\$190M)	(\$1,394M)	(\$3,541M)
Multi-Sector	16	\$23B	\$189M	\$786M	\$492M	\$3,438M
Real Estate	25	\$62B	(\$58M)	\$1,685M	\$2,838M	\$1,677M
Technology	23	\$199B	\$658M	\$3,749M	\$9,040M	\$11,864M
Utilities	9	\$20B	\$76M	(\$1,955M)	(\$3,182M)	(\$3,102M)

U.S. Sector & Industry Flow Leaders

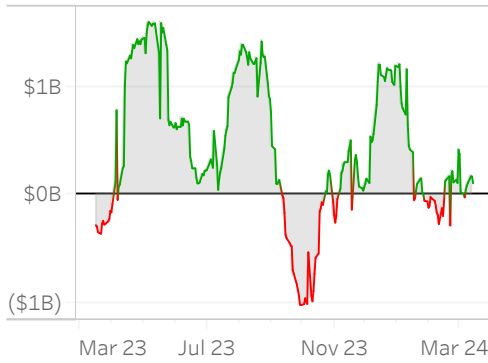
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	\$372M	\$1,077M	\$732M	\$1,066M	\$13,217M
XLF	Financial Select Sector SPDR Fund	\$333M	\$898M	(\$810M)	\$769M	\$37,757M
XLB	Materials Select Sector SPDR Fund	\$172M	(\$9M)	(\$585M)	(\$787M)	\$5,431M
IHI	iShares U.S. Medical Devices ETF	\$155M	(\$82M)	(\$399M)	(\$684M)	\$5,741M
XBI	SPDR S&P BIOTECH ETF	\$142M	\$173M	\$249M	(\$219M)	\$7,731M
VGT	Vanguard Information Technology ETF	\$121M	\$1,304M	\$2,323M	\$1,812M	\$66,346M
VNQ	Vanguard Real Estate ETF	\$115M	\$1,321M	\$236M	(\$400M)	\$34,124M
PAVE	Global X U.S. Infrastructure Development ETF	\$99M	\$528M	\$471M	\$1,174M	\$6,814M
IYW	iShares U.S. Technology ETF	\$87M	\$510M	\$1,882M	\$1,330M	\$16,133M
XLI	Industrial Select Sector SPDR Fund	\$73M	\$495M	\$113M	\$490M	\$17,385M

U.S. Sector & Industry Flow Laggards

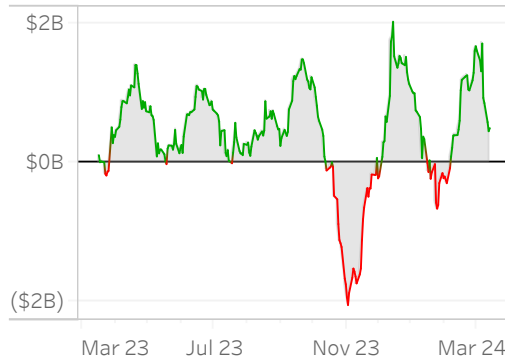
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$270M)	(\$141M)	\$384M	\$2,493M	\$19,984M
IBB	iShares Biotechnology ETF	(\$180M)	\$283M	(\$214M)	(\$717M)	\$7,828M
IYR	iShares U.S. Real Estate ETF	(\$157M)	(\$217M)	\$1,177M	\$750M	\$4,188M
KRE	SPDR S&P Regional Banking ETF	(\$152M)	(\$762M)	(\$231M)	\$480M	\$2,813M
XLV	Health Care Select Sector SPDR Fund	(\$94M)	(\$228M)	(\$1,829M)	(\$2,199M)	\$41,564M
KCE	SPDR S&P Capital Markets ETF	(\$92M)	\$9M	\$30M	\$131M	\$309M
XRT	SPDR S&P Retail ETF	(\$68M)	(\$40M)	\$69M	(\$156M)	\$483M
XLP	Consumer Staples Select Sector SPDR Fund	(\$42M)	(\$914M)	(\$2,069M)	(\$1,410M)	\$15,500M
VOX	Vanguard Communication Services ETF	(\$32M)	\$70M	(\$22M)	\$306M	\$3,951M
SCHH	Schwab U.S. REIT ETF	(\$30M)	\$6M	\$254M	\$517M	\$6,488M

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

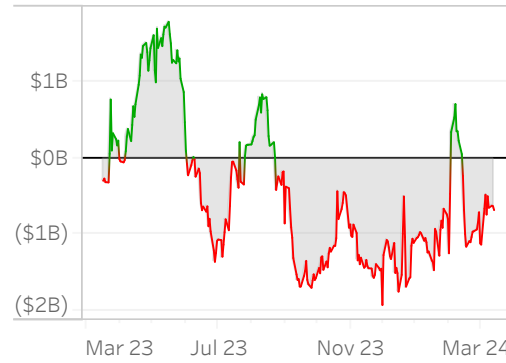
Communication Services



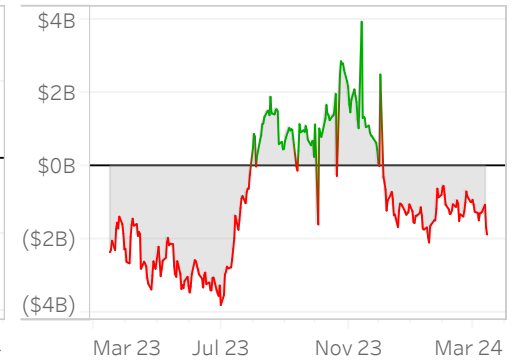
Consumer Discretionary



Consumer Staples



Energy



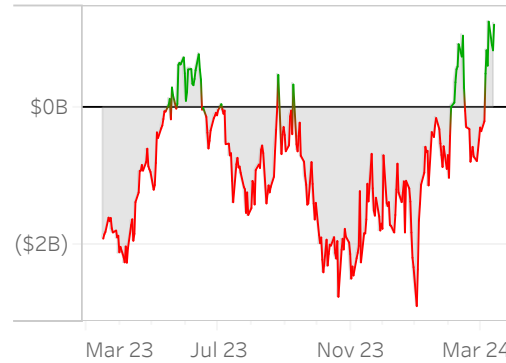
Financials



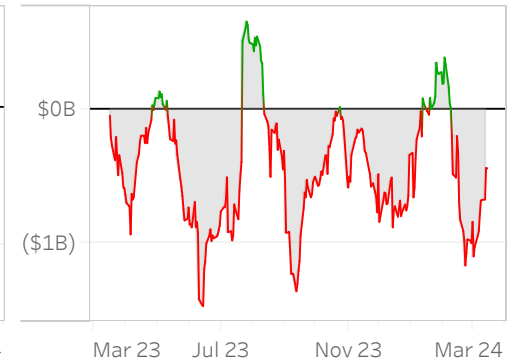
Industrial



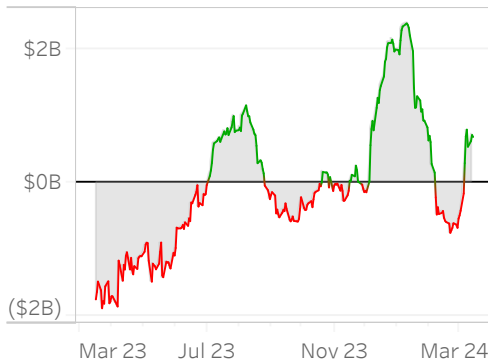
Health Care



Materials



Real Estate



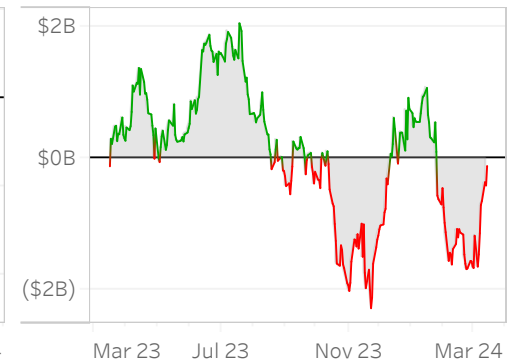
Technology



Utilities

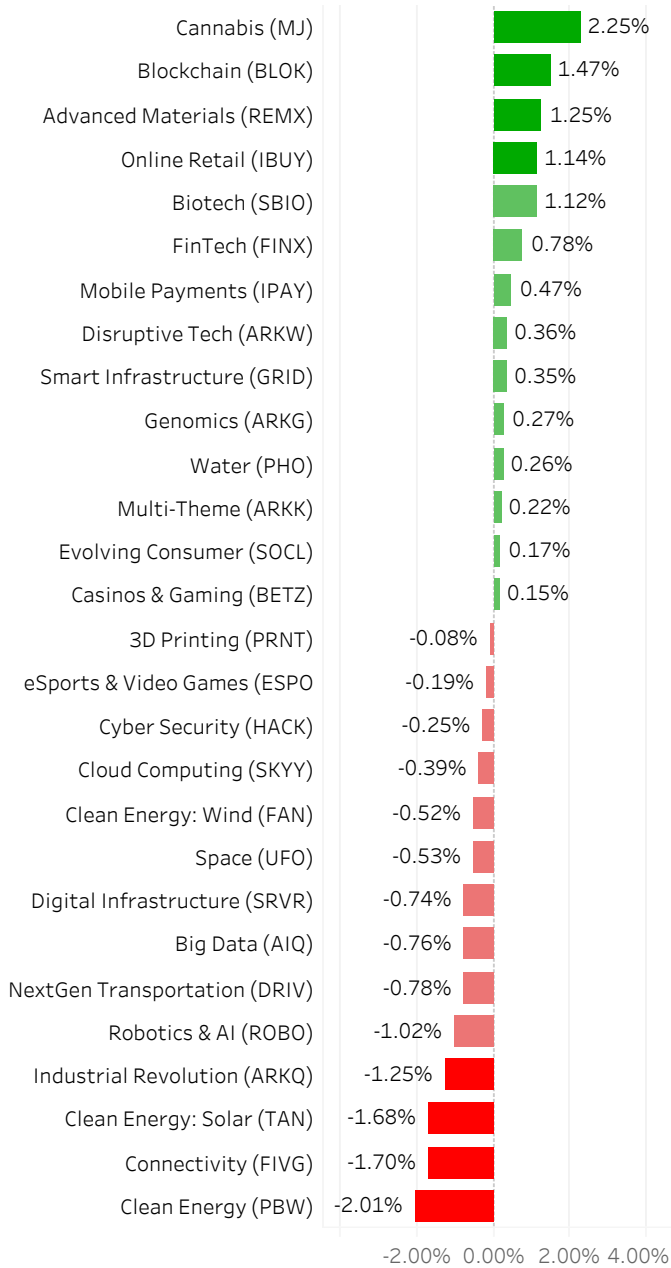


Multi-Sector



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

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ..	5.44%
DAPP	VanEck Digital Transformation ETF	4.15%
MSOS	AdvisorShares Pure US Cannabis ETF	4.04%
BITQ	Bitwise Crypto Industry Innovators ETF	3.35%
MJUS	Amplify U.S. Alternative Harvest ETF	2.90%
EBIZ	Global X E-Commerce ETF	2.27%
MJ	Amplify Alternative Harvest ETF	2.25%
ONLN	ProShares Online Retail ETF	2.15%
IZRL	ARK Israel Innovative Technology ETF	1.84%
WGMI	Valkyrie Bitcoin Miners ETF	1.60%

Thematic Most Overbought

Ticker	Fund	Price
IPAY	Amplify Mobile Payments ETF	75.08
ONLN	ProShares Online Retail ETF	74.77
EBIZ	Global X E-Commerce ETF	74.00
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	72.94
EVX	VanEck Environmental Services ETF	72.71
PIO	Invesco Global Water ETF	69.86
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	69.15
GBUY	Goldman Sachs Future Consumer Equity ETF	68.58
IBUY	Amplify Online Retail ETF	67.93
LEGR	First Trust Indxx Innovative Transaction & Process ETF	67.64

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-2.05%
PBW	Invesco WilderHill Clean Energy ETF	-2.01%
ICLN	iShares Global Clean Energy ETF	-1.72%
FIVG	Defiance Next Gen Connectivity ETF	-1.70%
ACES	ALPS Clean Energy ETF	-1.69%
TAN	Invesco Solar ETF	-1.68%
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	-1.37%
LOUP	Innovator Deepwater Frontier Tech ETF	-1.27%
SNSR	Global X Internet of Things ETF	-1.26%
ARKQ	ARK Autonomous Technology & Robotics ETF	-1.25%

Thematic Most Oversold

Ticker	Fund	Price
MJUS	Amplify U.S. Alternative Harvest ETF	38.31
PBW	Invesco WilderHill Clean Energy ETF	38.70
MJ	Amplify Alternative Harvest ETF	38.77
ACES	ALPS Clean Energy ETF	39.46
MSOS	AdvisorShares Pure US Cannabis ETF	39.80
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	41.93
ICLN	iShares Global Clean Energy ETF	42.07
CNRG	SPDR S&P Kensho Clean Power ETF	43.66
ARKG	ARK Genomic Revolution ETF	43.68
PAWZ	ProShares Pet Care ETF	44.70

* 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
AIQ	Global X Artificial Intelligence & Technology ETF	\$101M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$49M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$17M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$14M
ACES	ALPS Clean Energy ETF	\$7M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$7M
GNOM	Global X Genomics & Biotechnology ETF	\$5M
PHO	Invesco Water Resources ETF	\$5M
IVES	Amplify Global Cloud Technology ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M

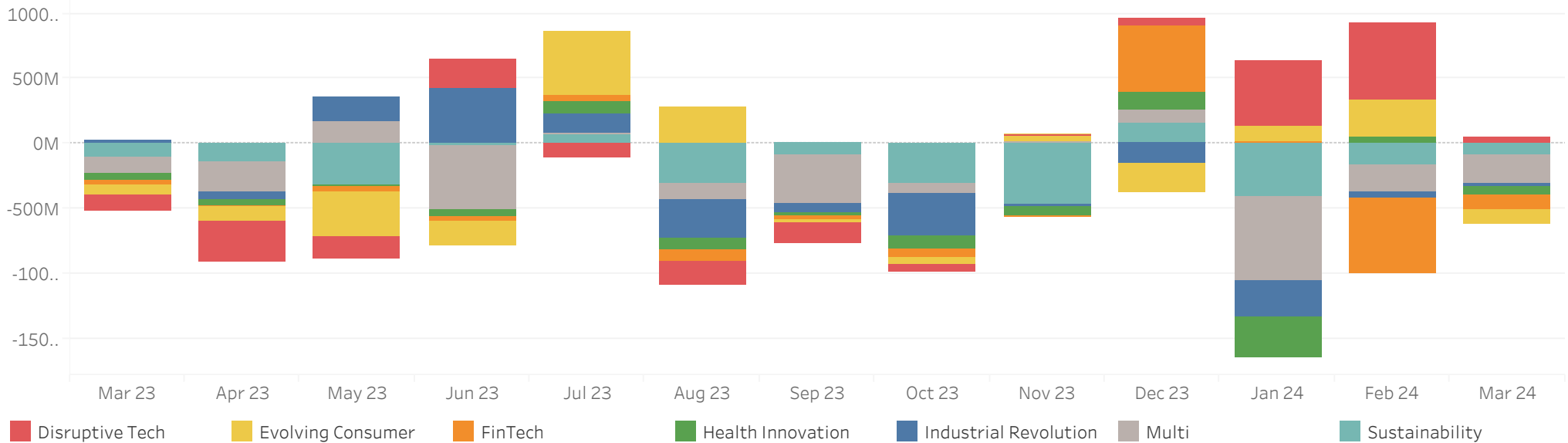
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$123M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$69M)
KWEB	KraneShares CSI China Internet ETF	(\$69M)
TAN	Invesco Solar ETF	(\$32M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
LIT	Global X Lithium & Battery Tech ETF	(\$31M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$30M)
ARKW	ARK Next Generation Internet ETF	(\$20M)
WCLD	WisdomTree Cloud Computing Fund	(\$19M)
ARKF	ARK Fintech Innovation ETF	(\$14M)

Thematic Landscape Assets & Flows

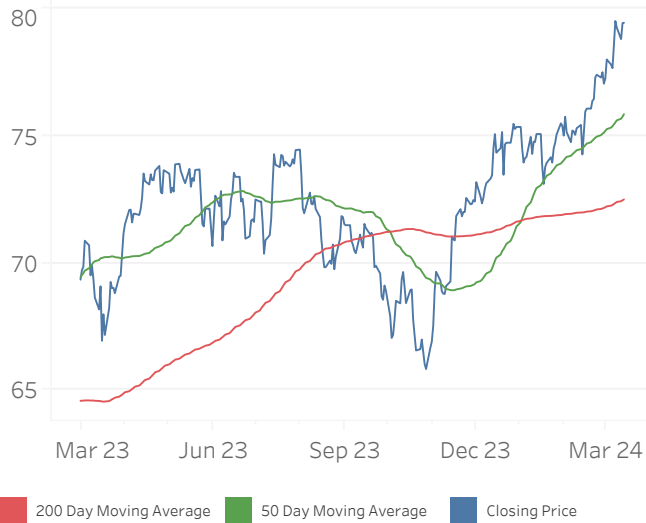
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	(\$15M)	\$1,107M	\$1,024M	\$322M
Evolving Consumer	34	\$9B	(\$46M)	\$137M	\$42M	\$118M
FinTech	17	\$3B	(\$2M)	(\$372M)	(\$231M)	(\$454M)
Health Innovation	17	\$2B	(\$24M)	(\$120M)	(\$321M)	(\$547M)
Industrial Revolution	30	\$10B	(\$554M)	(\$456M)	(\$911M)	(\$494M)
Multi	33	\$16B	(\$103M)	(\$863M)	(\$1,197M)	(\$2,186M)
Sustainability	39	\$12B	(\$25M)	(\$556M)	(\$1,466M)	(\$2,192M)
Grand Total	203	\$74B	(\$768M)	(\$1,123M)	(\$3,061M)	(\$5,434M)

Thematic Monthly Flows

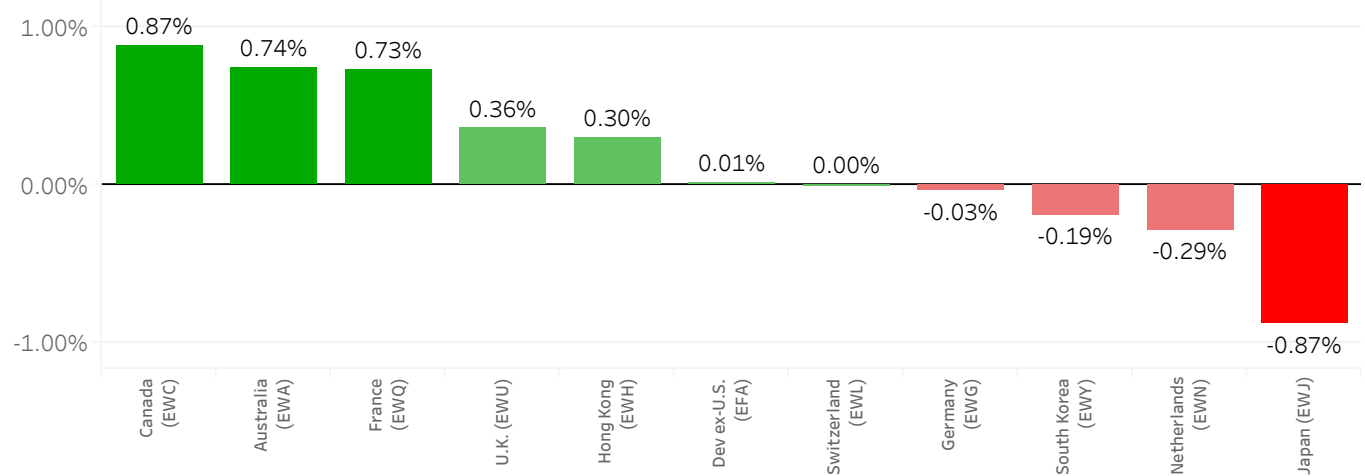


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

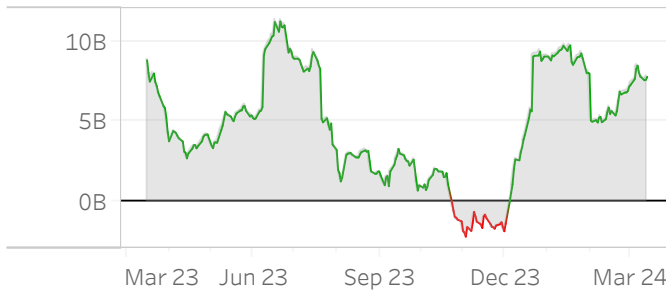
Developed ex-U.S. (EFA)



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



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



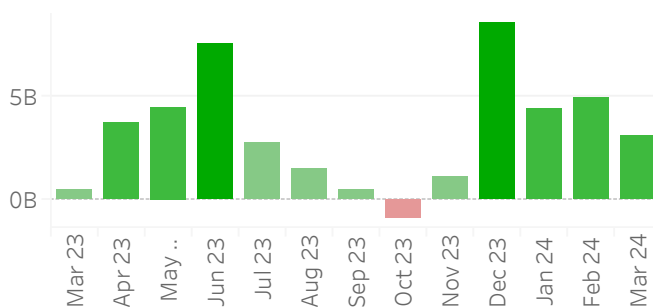
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWO	iShares MSCI Austria ETF	1.10%
EWP	iShares MSCI Spain ETF	1.07%
BBCA	JPMorgan BetaBuilders Canada ETF	0.88%
FLCA	Franklin FTSE Canada ETF	0.87%
EWC	iShares MSCI Canada ETF	0.87%
EWS	iShares MSCI Singapore ETF	0.77%
EWA	iShares MSCI Australia ETF	0.74%
EWQ	iShares MSCI France ETF	0.73%
EPP	iShares MSCI Pacific ex-Japan ETF	0.69%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan ETF	0.63%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWI	iShares MSCI Italy ETF	80.27
DAX	Global X DAX Germany ETF	77.79
EWQ	iShares MSCI France ETF	75.26
EDW	iShares MSCI Sweden ETF	75.14
FLEE	Franklin FTSE Europe ETF	74.95
BBEU	JPMorgan BetaBuilders Europe ETF	74.51
IEUR	iShares Core MSCI Europe ETF	74.26
IEV	iShares Europe ETF	74.25
DOL	WisdomTree International LargeCap Dividend Fund	74.03
SPEU	SPDR Portfolio Europe ETF	73.86

Developed ex-U.S. Monthly Flows



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

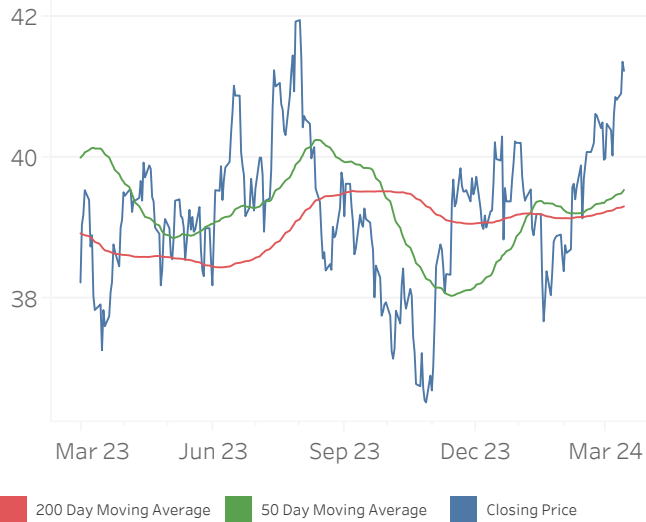
Ticker	Fund	1-Day Performance
MINV	Matthews Asia Innovators Active ETF	-1.03%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.91%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.89%
EWJ	iShares MSCI Japan ETF	-0.87%
FLJP	Franklin FTSE Japan ETF	-0.82%
JPXN	iShares JPX-Nikkei 400 ETF	-0.78%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.77%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.75%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.72%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.68%

Developed ex-U.S. Most Oversold

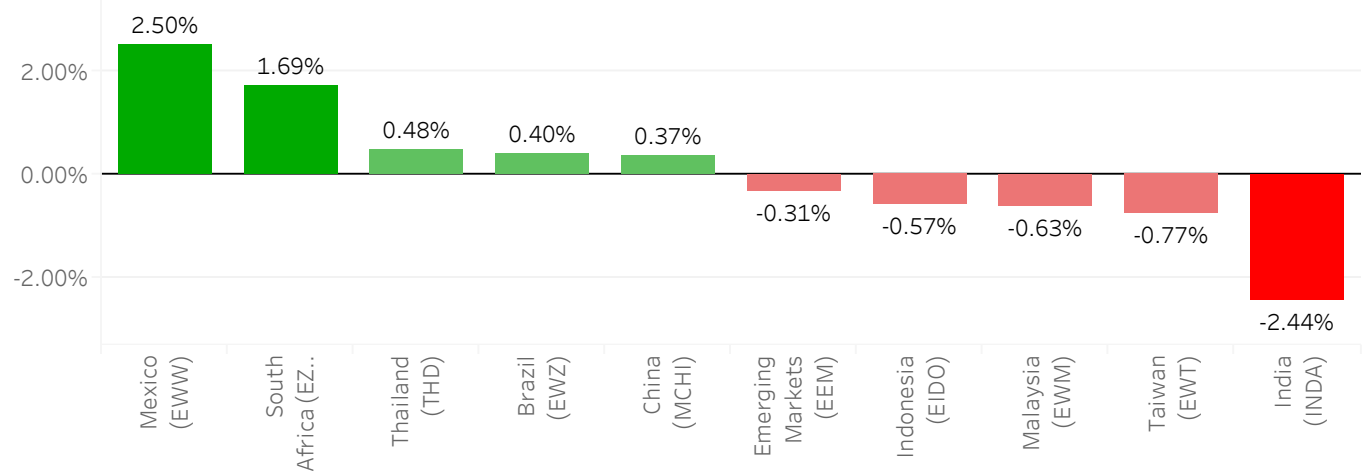
Ticker	Fund	Value
GREK	Global X MSCI Greece ETF	48.09
ENZL	iShares MSCI New Zealand ETF	49.90
HEWJ	iShares Currency Hedged MSCI Japan ETF	51.86
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	52.17
FJP	First Trust Japan AlphaDEX Fund	52.39
ISRA	VanEck Israel ETF	52.51
DXJ	WisdomTree Japan Hedged Equity Fund	53.37
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	54.17
EWJ	iShares MSCI Japan ETF	54.39
BBJP	JPMorgan BetaBuilders Japan ETF	54.52

* 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)



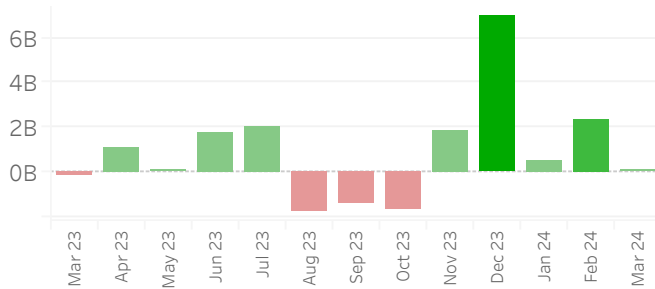
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru and Global Exposure ETF	2.90%
EWZ	iShares MSCI Mexico ETF	2.50%
EZA	iShares MSCI South Africa ETF	1.69%
ECH	iShares MSCI Chile ETF	1.50%
FLN	First Trust Latin America AlphaDEX Fund	1.08%
ECNS	iShares MSCI China Small-Cap ETF	1.06%
ILF	iShares Latin America 40 ETF	1.04%
PGJ	Invesco Golden Dragon China ETF	0.96%
FLLA	Franklin FTSE Latin America ETF	0.88%
QAT	iShares MSCI Qatar ETF	0.84%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru and Global Exposure ETF	82.68
FM	iShares Frontier and Select EM ETF	75.53
FRDM	Freedom 100 Emerging Markets ETF	71.46
EYLD	Cambria Emerging Shareholder Yield ETF	69.70
EDIV	SPDR S&P Emerging Markets Dividend ETF	68.54
EELV	Invesco S&P Emerging Markets Low Volatility ETF	68.13
MEM	Matthews Emerging Markets Equity Active ETF	67.84
EEMA	iShares MSCI Emerging Markets Asia ETF	67.61
EEMX	SPDR MSCI Emerging Markets Fossil Fuel Free ETF	67.32
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	66.46

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	-4.29%
EPI	WisdomTree India Earnings Fund	-3.43%
GLIN	VanEck India Growth Leaders ETF	-3.10%
FLIN	Franklin FTSE India ETF	-2.74%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-2.50%
INDA	iShares MSCI India ETF	-2.44%
PIN	Invesco India ETF	-2.38%
TUR	iShares MSCI Turkey ETF	-1.72%
INDY	iShares India 50 ETF	-1.71%
EWX	SPDR S&P Emerging Markets Small Cap ETF	-1.21%

Emerging Most Oversold

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	25.45
EPI	WisdomTree India Earnings Fund	36.41
GLIN	VanEck India Growth Leaders ETF	36.93
TUR	iShares MSCI Turkey ETF	38.56
PIN	Invesco India ETF	40.59
FLIN	Franklin FTSE India ETF	40.72
INDA	iShares MSCI India ETF	41.66
NFTY	First Trust India NIFTY 50 Equal Weight ETF	42.03
EWZ	iShares MSCI Brazil ETF	46.03
INDY	iShares India 50 ETF	46.18

* 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	-0.18%	1.31%	-0.95%
SHY	1-3 Year Treasury Bonds	-0.05%	0.36%	0.06%
IEF	7-10 Year Treasury Bonds	-0.22%	1.30%	-1.45%
TLT	20+ Year Treasury Bonds	-0.48%	2.56%	-3.91%
TIP	TIPS Bonds	-0.14%	1.28%	-0.42%
FLOT	Floating Rate Bonds	-0.02%	0.61%	1.57%
LQD	Investment Grade Corporate	-0.10%	1.87%	-1.18%
HYG	High Yield Corporate	0.04%	1.78%	1.20%
BKLN	Senior Loan	-0.05%	1.37%	1.50%
PFF	Preferred & Income Securities	0.12%	2.63%	4.65%
MUB	Municipal Bonds	-0.06%	0.80%	0.13%
MBB	MBS	-0.12%	1.69%	-1.11%
EMB	Dollar Denominated EM Bonds	0.10%	3.40%	0.83%
LEMB	Local Currency EM Bond	0.12%	1.78%	-0.89%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.01%	3.90%	1.71%
DBE	Energy	2.01%	0.87%	5.89%
USO	WTI Crude Oil	2.37%	3.36%	12.66%
BNO	Brent Crude Oil	2.38%	3.00%	11.97%
UNG	Natural Gas	-2.61%	-3.93%	-26.48%
UGA	Gasoline	2.82%	1.11%	13.88%
DBP	Precious Metals	1.25%	9.68%	5.26%
GLD	Gold	0.70%	9.03%	5.24%
SLV	Silver	3.17%	12.82%	4.64%
PPLT	abrdrn Physical Platin..	1.72%	7.42%	-5.20%
PALL	abrdrn Physical Palla..	1.73%	22.05%	-3.70%
DBB	Base Metals	1.12%	7.19%	-1.37%
CPER	Copper	3.06%	9.49%	4.64%
DBA	Agriculture	-0.17%	4.41%	10.70%
CORN	Corn	-0.20%	0.25%	-7.05%
SOYB	Soybeans	0.24%	1.24%	-6.44%
WEAT	Wheat	-0.95%	-6.65%	-13.07%
CANE	Sugar	0.00%	-3.00%	6.82%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.11%	-1.56%	2.62%
UDN	Short Dollar	0.23%	2.31%	-0.97%
FXE	Euro	0.20%	2.42%	-0.35%
FXB	British Pound Sterling	0.04%	2.03%	1.07%
FXF	Swiss Franc	-0.16%	0.99%	-4.25%
FXJ	Japanese Yen	-0.05%	2.02%	-4.74%
FXC	Canadian Dollar	0.15%	1.00%	-1.10%
FXA	Australian Dollar	0.26%	2.74%	-2.51%

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