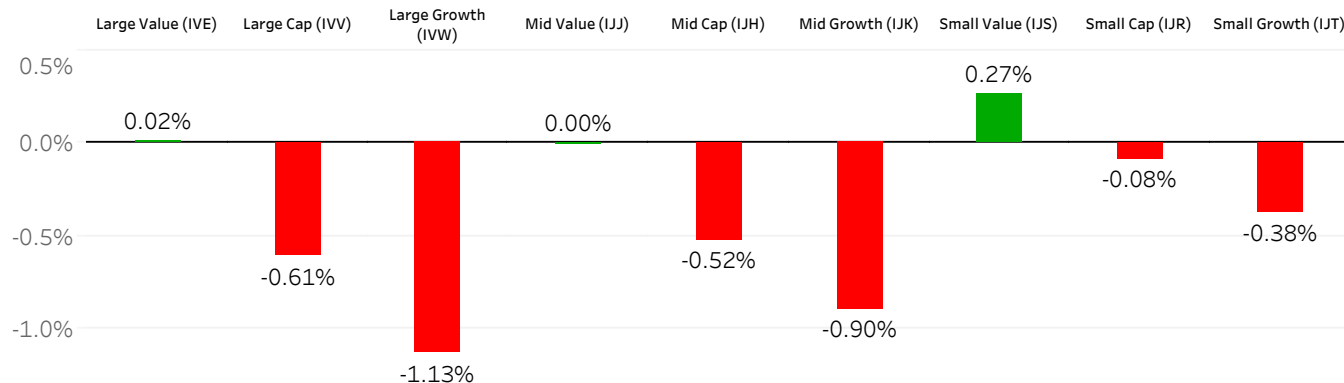


Large Cap Blend (S&P 500) IVV



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
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	0.63%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.60%
IPO	Renaissance IPO ETF	0.55%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	0.54%
SPDV	AAM S&P 500 High Dividend Value ETF	0.49%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.49%
BUZZ	VanEck Social Sentiment ETF	0.48%
DURA	VanEck Durable High Dividend ETF	0.47%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	0.42%
DIV	Global X SuperDividend US ETF	0.41%

Size & Style Most Overbought

Ticker	Fund	Value
PWV	Invesco Large Cap Value ETF	76.53
TPHE	Timothy Plan High Dividend Stock Enhanced ETF	74.93
XMHQ	Invesco S&P MidCap Quality ETF	74.87
RFG	Invesco S&P Midcap 400 Pure Growth ETF	74.32
IWX	iShares Russell Top 200 Value ETF	74.31
RDVY	First Trust Rising Dividend Achievers ETF	74.06
BMVP	Invesco Bloomberg MVP Multi-factor ETF	73.90
TPHD	Timothy Plan High Dividend Stock ETF	73.72
AIVL	WisdomTree U.S. AI Enhanced Value Fund	73.51
XMMO	Invesco S&P MidCap Momentum ETF	73.45

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QQH	HCM Defender 100 Index ETF	-1.95%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.87%
SPMO	Invesco S&P 500 Momentum ETF	-1.78%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	-1.64%
WINN	Harbor Long-Term Growers ETF	-1.60%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-1.54%
QQQM	Invesco NASDAQ 100 ETF	-1.45%
QQQ	Invesco QQQ Trust Series I	-1.44%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-1.44%
JMOM	JPMorgan U.S. Momentum Factor ETF	-1.30%

Size & Style Most Oversold

Ticker	Fund	Value
ACSI	American Customer Satisfaction ETF	46.69
CALF	Pacer US Small Cap Cash Cows 100 ETF	48.66
SIXS	ETC 6 Meridian Small Cap Equity ETF	49.33
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	51.27
LCG	Sterling Capital Focus Equity ETF	52.54
RZV	Invesco S&P Smallcap 600 Pure Value ETF	52.80
SEIQ	SEI Enhanced U.S. Large Cap Quality Factor ETF	53.42
DIA	SPDR Dow Jones Industrial Average ETF Trust	53.77
QQH	HCM Defender 100 Index ETF	53.86
RWJ	Invesco S&P SmallCap 600 Revenue ETF	53.98

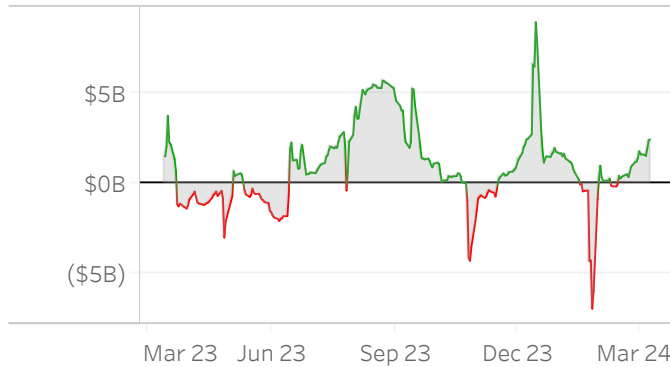
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

* 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	\$1,844B	\$3.01B	\$66.16B	\$128.27B	\$192.38B
Large Cap, Beta, Beta: Growth	10	\$357B	\$0.59B	\$5.40B	\$16.26B	\$22.36B
Large Cap, Beta, Beta: Value	11	\$257B	\$0.16B	\$3.06B	\$8.21B	\$1.18B
Mid Cap, Beta, Beta	10	\$226B	\$0.19B	\$0.45B	\$2.06B	\$7.76B
Mid Cap, Beta, Beta: Growth	6	\$43B	\$0.49B	\$0.60B	\$1.31B	\$2.23B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.12B)	(\$0.80B)	(\$1.41B)	(\$3.77B)
Small Cap, Beta, Beta	11	\$236B	(\$0.03B)	\$7.44B	\$12.75B	\$16.59B
Small Cap, Beta, Beta: Growth	7	\$40B	\$0.14B	\$1.39B	\$2.24B	\$2.67B
Small Cap, Beta, Beta: Value	7	\$54B	(\$0.24B)	\$0.13B	\$0.00B	(\$2.10B)

U.S. Size & Style Flow Leaders

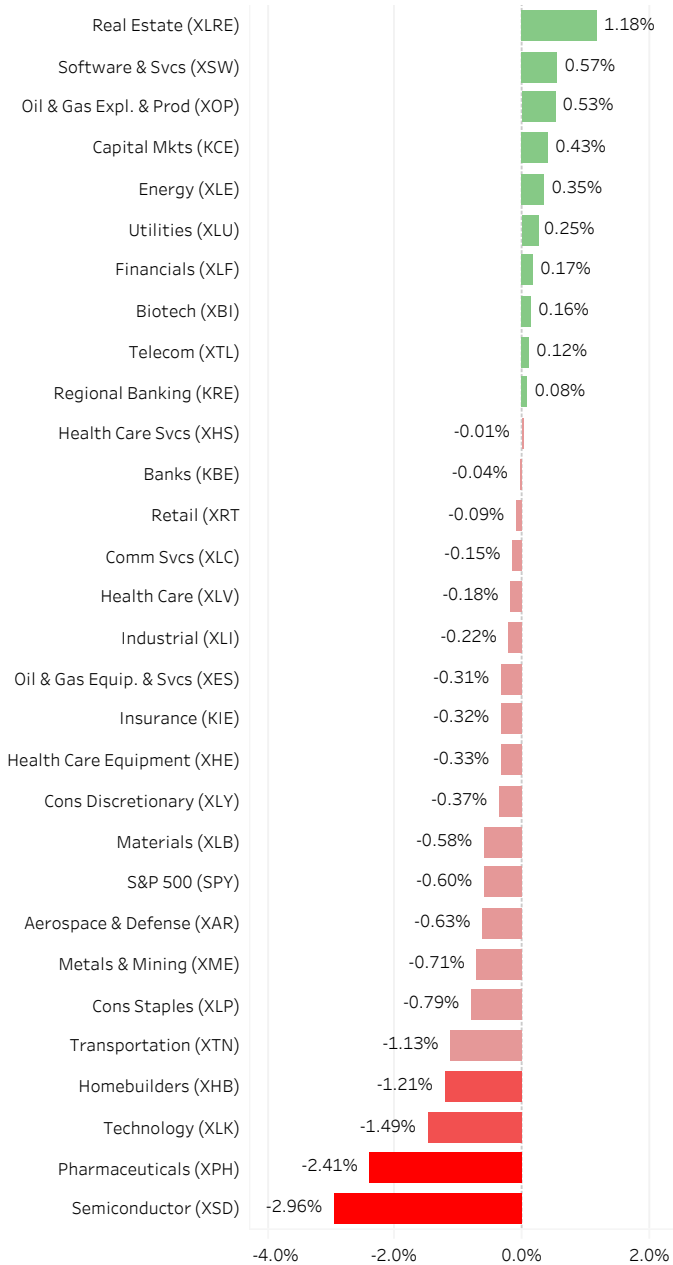
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.99B	\$6.62B	\$21.95B	\$33.03B	\$505.64B
VOO	Vanguard S&P 500 ETF	\$1.94B	\$24.01B	\$31.02B	\$59.21B	\$424.44B
IVV	iShares Core S&P 500 ETF	\$0.57B	\$19.33B	\$43.16B	\$58.39B	\$452.49B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.39B	\$2.67B	\$4.96B	\$10.62B	\$51.92B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	\$0.39B	\$0.39B	\$0.66B	\$0.77B	\$2.97B
IWF	iShares Russell 1000 Growth ETF	\$0.36B	(\$0.36B)	\$2.78B	\$2.37B	\$89.06B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.34B	\$6.19B	\$9.15B	\$11.99B	\$33.14B
VO	Vanguard Mid-Cap ETF	\$0.22B	\$0.72B	\$1.69B	\$2.64B	\$63.15B
SPMO	Invesco S&P 500 Momentum ETF	\$0.21B	\$0.61B	\$0.66B	\$0.61B	\$0.99B
VUG	Vanguard Growth ETF	\$0.17B	\$2.77B	\$5.01B	\$5.01B	\$117.55B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$2.10B)	\$7.79B	\$13.44B	\$15.57B	\$256.52B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.39B)	(\$0.99B)	(\$0.23B)	(\$0.10B)	\$32.79B
IWM	iShares Russell 2000 ETF	(\$0.23B)	\$0.25B	\$3.85B	\$3.13B	\$62.83B
IVW	iShares S&P 500 Growth ETF	(\$0.23B)	(\$2.10B)	(\$2.38B)	(\$0.31B)	\$38.87B
VBR	Vanguard Small Cap Value ETF	(\$0.17B)	(\$0.07B)	(\$0.08B)	(\$0.43B)	\$27.93B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.10B)	(\$0.03B)	(\$0.21B)	(\$0.65B)	\$13.73B
DVY	iShares Select Dividend ETF	(\$0.09B)	(\$0.94B)	(\$1.51B)	(\$3.81B)	\$18.42B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.06B)	(\$0.57B)	(\$1.05B)	(\$2.00B)	\$8.05B
IWV	iShares Russell 3000 ETF	(\$0.06B)	\$0.07B	\$0.10B	(\$0.06B)	\$13.41B
IWN	iShares Russell 2000 Value ETF	(\$0.05B)	\$0.11B	\$0.29B	(\$0.37B)	\$12.23B

* 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)
XLF	Financial Select Sector SPDR Fund	0.00%	31.07%	4.42%	14.40%	71.16
XLI	Industrial Select Sector SPDR Fund	-0.22%	26.81%	5.58%	12.90%	70.93
XLB	Materials Select Sector SPDR Fund	-0.58%	20.00%	5.79%	9.10%	70.00
SPY	SPDR S&P 500 ETF Trust	-0.60%	30.15%	4.12%	12.24%	62.74
XLC	Communication Services Select Sector SPDR Fund	-0.76%	42.46%	3.51%	14.19%	56.53
XLRE	Real Estate Select Sector SPDR Fund	-0.81%	24.79%	3.37%	8.13%	64.59
XLV	Health Care Select Sector SPDR Fund	-0.97%	18.91%	2.70%	9.10%	59.19
XLK	Technology Select Sector SPDR Fund	-1.62%	44.02%	3.60%	14.72%	55.06
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.55%	27.36%	1.84%	6.31%	51.74
XLP	Consumer Staples Select Sector SPDR Fund	-3.02%	13.50%	2.46%	4.35%	62.28
XLE	Energy Select Sector SPDR Fund	-5.56%	15.12%	4.79%	3.43%	66.00
XLU	Utilities Select Sector SPDR Fund	-8.89%	13.45%	2.80%	1.29%	63.53

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
INDS	Pacer Industrial Real Estate ETF	1.62%
NETL	NETLease Corporate Real Estate ETF	1.47%
REZ	iShares Residential and Multisector Real Estate E..	1.32%
XLRE	Real Estate Select Sector SPDR Fund	1.18%
RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	1.16%
VNQ	Vanguard Real Estate ETF	1.15%
FREL	Fidelity MSCI Real Estate Index ETF	1.15%
IYR	iShares U.S. Real Estate ETF	1.12%
PSR	Invesco Active U.S. Real Estate Fund	1.10%
USRT	iShares Core U.S. REIT ETF	1.08%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PPA	Invesco Aerospace & Defense ETF	75.78
IYF	iShares U.S. Financials ETF	73.58
VFH	Vanguard Financials ETF	73.14
KCE	SPDR S&P Capital Markets ETF	72.85
PFI	Invesco Dorsey Wright Financial Momentum ETF	72.81
FNCL	Fidelity MSCI Financials Index ETF	72.79
XAR	SPDR S&P Aerospace & Defense ETF	72.08
FXG	First Trust Consumer Staples AlphaDEX Fund	71.94
IYG	iShares US Financial Services ETF	71.32
XLF	Financial Select Sector SPDR Fund	71.16

Sector & Industry 1 Day Performance Laggards

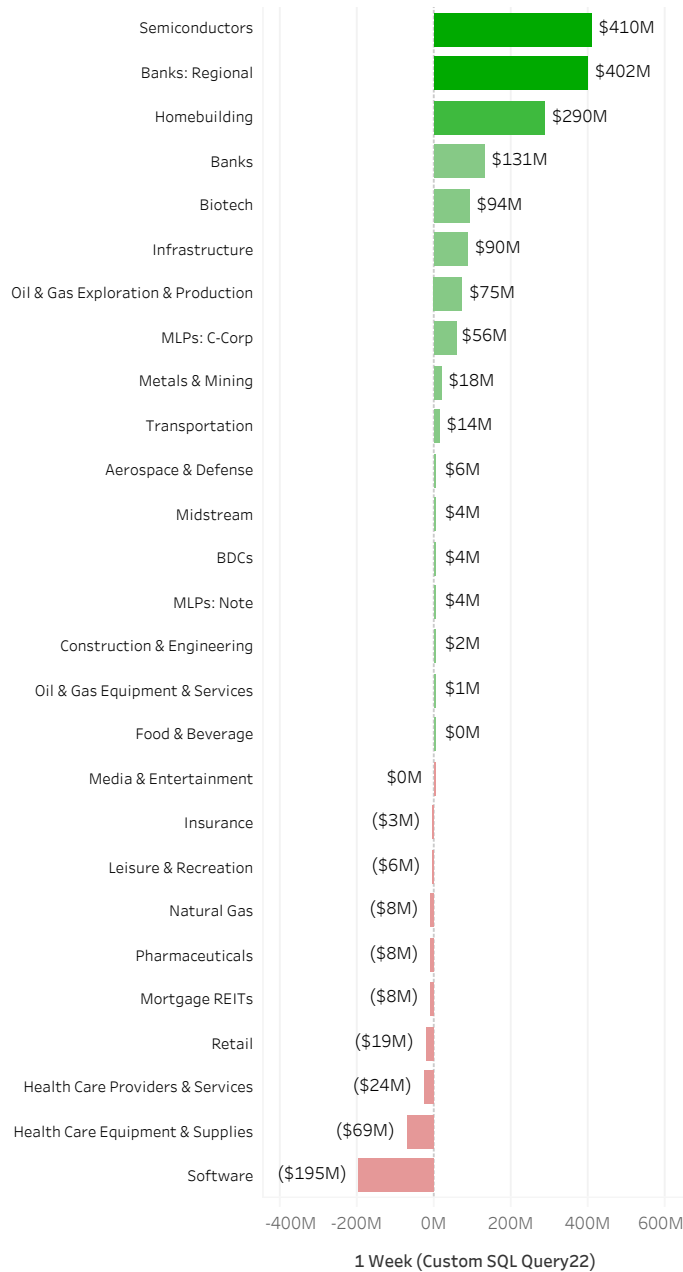
Ticker	Fund	1 Day Performance
SOXX	iShares Semiconductor ETF	-4.05%
SOXQ	Invesco PHLX Semiconductor ETF	-3.93%
FTXL	First Trust Nasdaq Semiconductor ETF	-3.86%
PSI	Invesco Semiconductors ETF	-3.81%
XSD	SPDR S&P Semiconductor ETF	-2.96%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-2.52%
XPH	SPDR S&P Pharmaceuticals ETF	-2.41%
IGM	iShares Expanded Tech Sector ETF	-1.96%
IGPT	Invesco AI and Next Gen Software ETF	-1.88%
IETC	iShares U.S. Tech Independence Focused ETF	-1.82%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	41.53
PSCC	Invesco S&P SmallCap Consumer Staples ETF	42.16
IYZ	iShares U.S. Telecommunications ETF	42.35
XTL	SPDR S&P Telecom ETF	44.21
IGV	iShares Expanded Tech-Software Sector ETF	49.77
KBWY	Invesco KBW Premium Yield Equity REIT ETF	49.94
RSPC	Invesco S&P 500 Equal Weight Communication Services E..	50.10
IHF	iShares U.S. Healthcare Providers ETF	50.85
QABA	First Trust NASDAQ ABA Community Bank Index Fund	51.34
FXL	First Trust Technology AlphaDEX Fund	51.42

* 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	\$57M	\$210M	\$722M	\$3,807M
Consumer Discretionary	12	\$31B	(\$395M)	\$1,161M	\$897M	\$4,004M
Consumer Staples	10	\$26B	\$53M	(\$1,893M)	(\$3,883M)	(\$4,045M)
Energy	30	\$73B	(\$93M)	(\$2,777M)	(\$771M)	(\$7,861M)
Financials	26	\$65B	\$481M	\$139M	(\$1,982M)	(\$1,677M)
Health Care	23	\$95B	\$876M	\$868M	(\$2,849M)	(\$5,647M)
Industrial	13	\$40B	\$147M	\$1,124M	\$347M	\$877M
Materials	9	\$12B	\$158M	(\$745M)	(\$1,568M)	(\$3,849M)
Multi-Sector	16	\$23B	\$433M	\$1,031M	\$269M	\$3,300M
Real Estate	25	\$61B	\$766M	\$1,847M	\$2,802M	\$1,405M
Technology	23	\$199B	\$607M	\$4,287M	\$8,994M	\$11,745M
Utilities	9	\$20B	\$227M	(\$1,981M)	(\$3,391M)	(\$2,997M)

U.S. Sector & Industry Flow Leaders

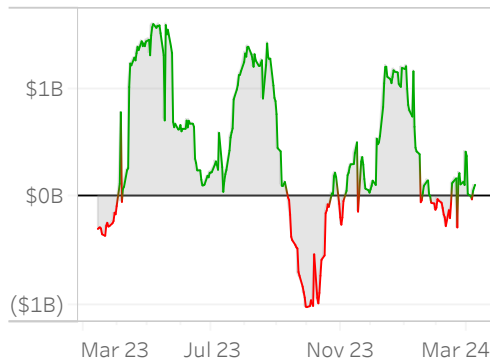
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$871M	\$645M	(\$1,214M)	(\$1,691M)	\$42,088M
IYR	iShares U.S. Real Estate ETF	\$697M	(\$95M)	\$1,107M	\$635M	\$4,127M
KRE	SPDR S&P Regional Banking ETF	\$418M	(\$465M)	\$88M	\$1,040M	\$3,156M
SOXX	iShares Semiconductor ETF	\$390M	\$912M	\$837M	\$1,062M	\$13,727M
XLU	Utilities Select Sector SPDR Fund	\$242M	(\$1,838M)	(\$2,469M)	(\$1,720M)	\$12,281M
IBB	iShares Biotechnology ETF	\$206M	\$450M	(\$187M)	(\$776M)	\$7,865M
ITB	iShares U.S. Home Construction ETF	\$169M	\$406M	\$184M	\$567M	\$3,103M
XLB	Materials Select Sector SPDR Fund	\$155M	(\$463M)	(\$729M)	(\$1,029M)	\$5,228M
XLK	Technology Select Sector SPDR Fund	\$144M	\$948M	\$3,307M	\$3,718M	\$65,061M
KBE	SPDR S&P Bank ETF	\$137M	\$219M	(\$30M)	\$280M	\$1,747M

U.S. Sector & Industry Flow Laggards

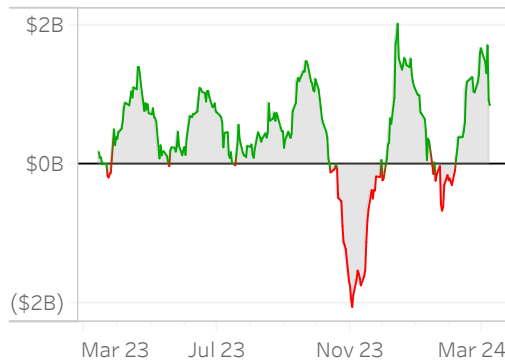
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$395M)	\$806M	\$860M	\$2,685M	\$20,183M
IGV	iShares Expanded Tech-Software Sector ETF	(\$215M)	(\$564M)	(\$543M)	(\$187M)	\$7,408M
XLE	Energy Select Sector SPDR Fund	(\$185M)	(\$2,358M)	(\$659M)	(\$4,657M)	\$36,245M
XBI	SPDR S&P BIOTECH ETF	(\$97M)	(\$16M)	\$138M	(\$485M)	\$7,764M
IHI	iShares U.S. Medical Devices ETF	(\$61M)	(\$267M)	(\$596M)	(\$837M)	\$5,608M
PNQI	Invesco NASDAQ Internet ETF	(\$31M)	\$37M	\$38M	\$18M	\$758M
SCHH	Schwab U.S. REIT ETF	(\$30M)	\$18M	\$261M	\$513M	\$6,460M
VFH	Vanguard Financials ETF	(\$24M)	(\$653M)	(\$1,010M)	(\$815M)	\$9,115M
VDE	Vanguard Energy ETF	(\$21M)	\$6M	(\$52M)	(\$145M)	\$8,245M
ITA	iShares U.S. Aerospace & Defense ETF	(\$19M)	(\$103M)	(\$145M)	(\$423M)	\$6,057M

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

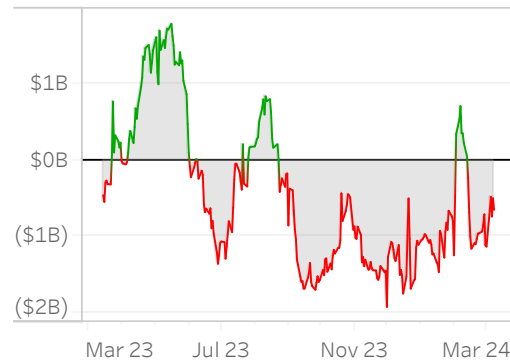
Communication Services



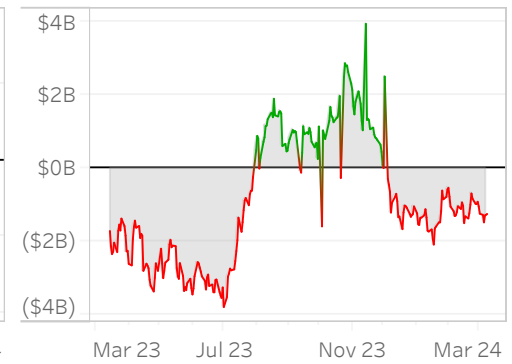
Consumer Discretionary



Consumer Staples



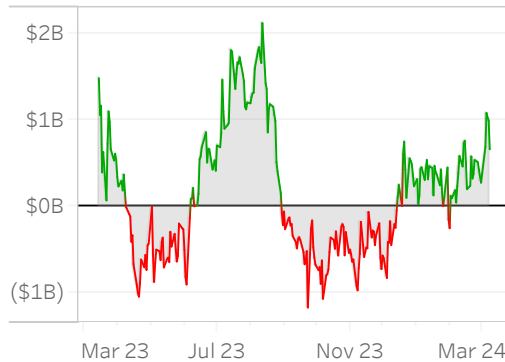
Energy



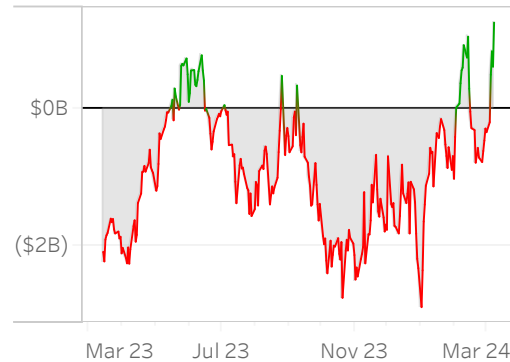
Financials



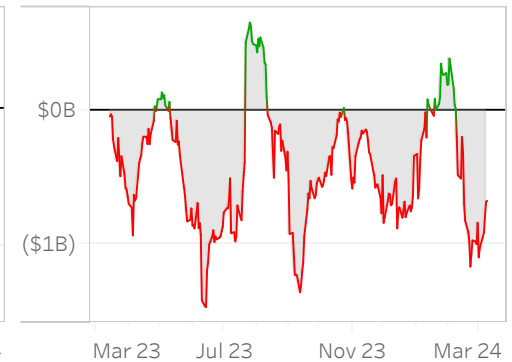
Industrial



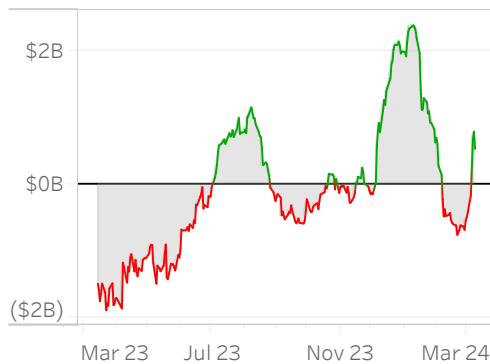
Health Care



Materials



Real Estate



Technology



Utilities

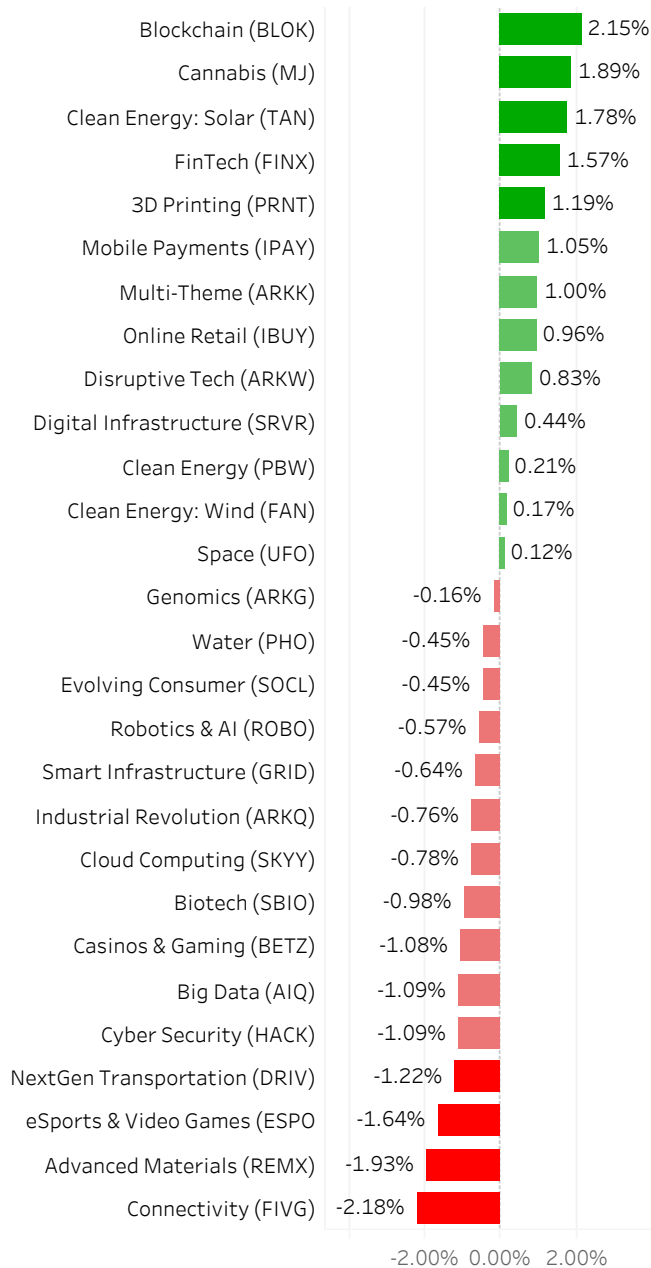


Multi-Sector

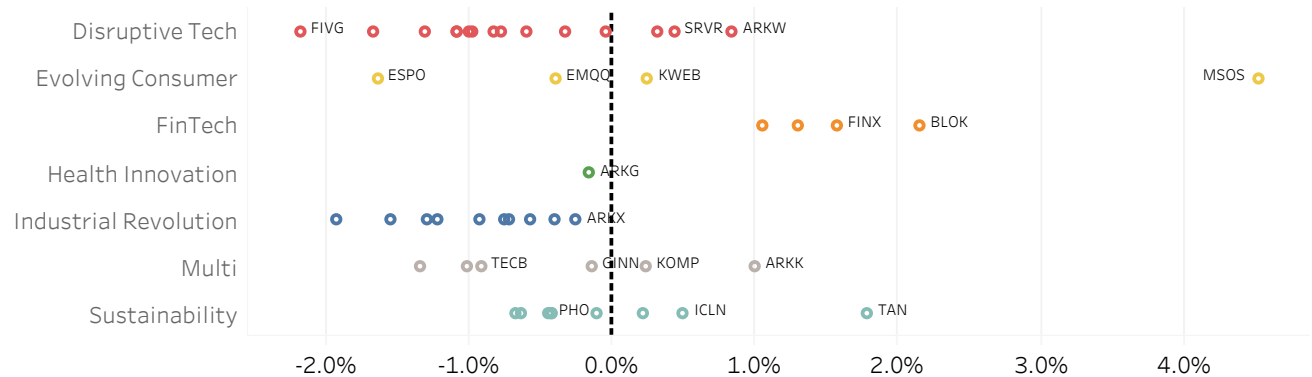


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	6.78%
WGMI	Valkyrie Bitcoin Miners ETF	5.97%
BITQ	Bitwise Crypto Industry Innovators ETF	5.29%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	4.78%
DAPP	VanEck Digital Transformation ETF	4.74%
MSOS	AdvisorShares Pure US Cannabis ETF	4.52%
MJUS	Amplify U.S. Alternative Harvest ETF	4.00%
BLOK	Amplify Transformational Data Sharing ETF	2.15%
MJ	Amplify Alternative Harvest ETF	1.89%
TAN	Invesco Solar ETF	1.78%

Thematic Most Overbought

Ticker	Fund	Price
PIO	Invesco Global Water ETF	72.98
IPAY	Amplify Mobile Payments ETF	72.83
AGNG	Global X Aging Population ETF	72.78
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	72.75
KLDW	Knowledge Leaders Developed World ETF	71.50
VPN	Global X Data Center REITs & Digital Infrastructure ETF	70.82
EVX	VanEck Environmental Services ETF	68.68
EBIZ	Global X E-Commerce ETF	68.53
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	68.25
ONLN	ProShares Online Retail ETF	67.72

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
SPRX	Spear Alpha ETF	-2.42%
FIVG	Defiance Next Gen Connectivity ETF	-2.18%
REMX	VanEck Rare Earth/Strategic Metals ETF	-1.93%
LOUP	Innovator Deepwater Frontier Tech ETF	-1.81%
QTUM	Defiance Quantum ETF	-1.67%
ENTR	ERShares Entrepreneurs ETF	-1.64%
ESPO	VanEck Video Gaming and eSports ETF	-1.64%
BOTZ	Global X Robotics & Artificial Intelligence ETF	-1.55%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.40%
METV	Roundhill Ball Metaverse ETF	-1.34%

Thematic Most Oversold

Ticker	Fund	Price
MJ	Amplify Alternative Harvest ETF	38.91
MJUS	Amplify U.S. Alternative Harvest ETF	40.66
MSOS	AdvisorShares Pure US Cannabis ETF	41.59
PBW	Invesco WilderHill Clean Energy ETF	45.81
CLOU	Global X Cloud Computing ETF	46.90
BETZ	Roundhill Sports Betting & iGaming ETF	47.12
WCBR	WisdomTree Cybersecurity Fund	47.47
ARKG	ARK Genomic Revolution ETF	48.03
ACES	ALPS Clean Energy ETF	48.50
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	48.62

* 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	
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$592M
AIQ	Global X Artificial Intelligence & Technology ETF	\$72M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$13M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$11M
MSOS	AdvisorShares Pure US Cannabis ETF	\$10M
FIVG	Defiance Next Gen Connectivity ETF	\$8M
IHAK	iShares Cybersecurity & Tech ETF	\$7M
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	\$7M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$6M

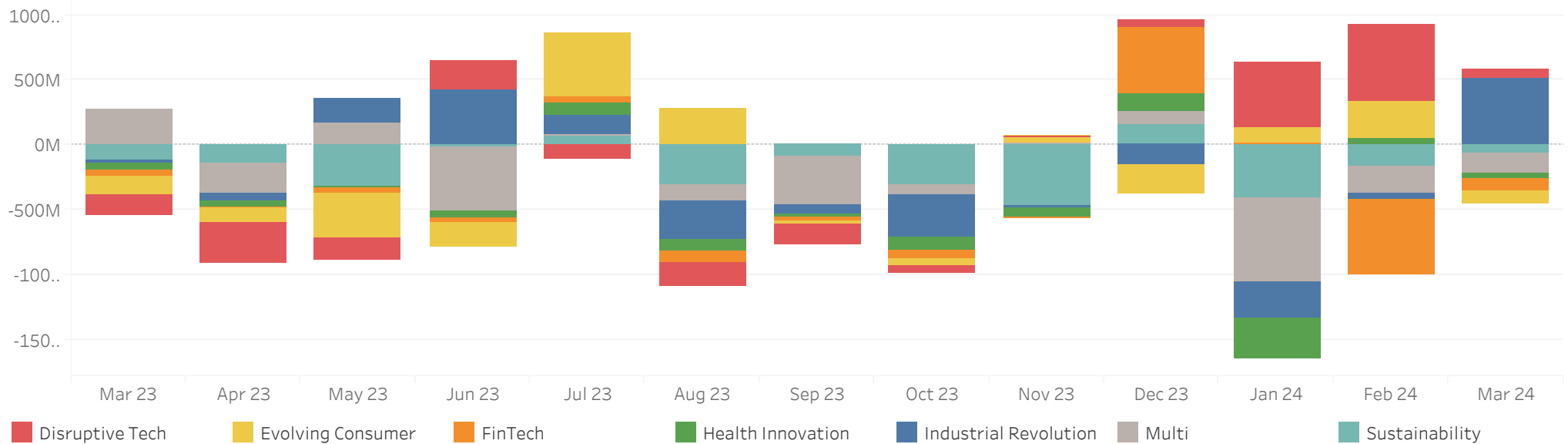
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$118M)
KWEB	KraneShares CSI China Internet ETF	(\$72M)
ARKG	ARK Genomic Revolution ETF	(\$49M)
TAN	Invesco Solar ETF	(\$39M)
ARKF	ARK Fintech Innovation ETF	(\$23M)
WCLD	WisdomTree Cloud Computing Fund	(\$23M)
ARKW	ARK Next Generation Internet ETF	(\$16M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$15M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$14M)
LIT	Global X Lithium & Battery Tech ETF	(\$13M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$21M	\$1,147M	\$982M	\$295M
Evolving Consumer	34	\$8B	(\$90M)	\$93M	\$51M	\$77M
FinTech	17	\$3B	(\$21M)	(\$284M)	(\$242M)	(\$446M)
Health Innovation	17	\$2B	(\$38M)	(\$177M)	(\$334M)	(\$515M)
Industrial Revolution	30	\$11B	\$548M	\$59M	(\$380M)	\$6M
Multi	33	\$16B	(\$86M)	(\$677M)	(\$1,074M)	(\$1,736M)
Sustainability	39	\$13B	(\$52M)	(\$553M)	(\$1,330M)	(\$2,183M)
Grand Total	203	\$74B	\$282M	(\$391M)	(\$2,328M)	(\$4,502M)

Thematic Monthly Flows

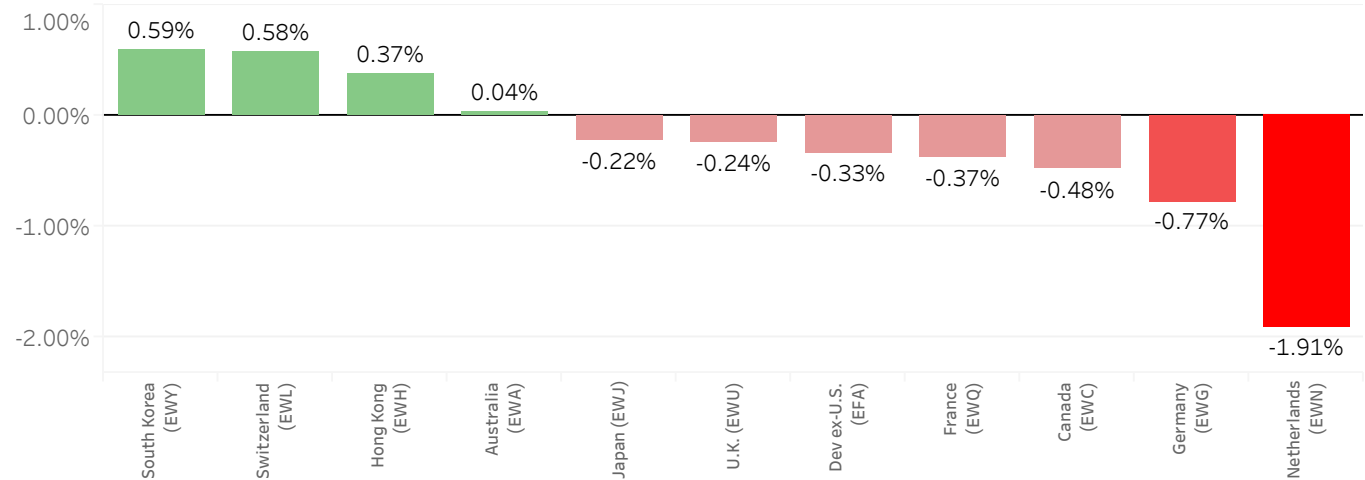


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



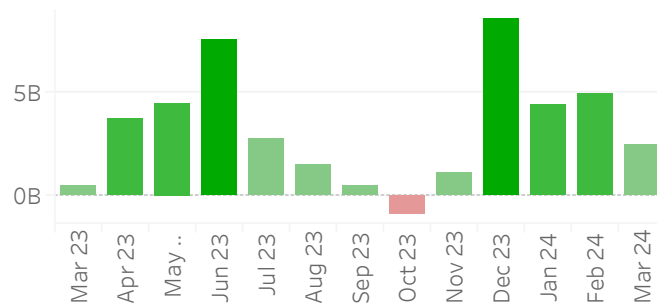
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.01%
EWY	iShares MSCI South Korea ETF	0.59%
EWL	iShares MSCI Switzerland ETF	0.58%
FJP	First Trust Japan AlphaDEX Fund	0.51%
EWD	iShares MSCI Sweden ETF	0.47%
EWJV	iShares MSCI Japan Value ETF	0.40%
EWH	iShares MSCI Hong Kong ETF	0.37%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.37%
FLKR	Franklin FTSE South Korea ETF	0.35%
FDD	First Trust Stoxx European Select Dividend Index Fund	0.30%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
IDMO	Invesco S&P International Developed Momentum ETF	82.30
IMTM	iShares MSCI Intl Momentum Factor ETF	80.84
EWJV	iShares MSCI Japan Value ETF	80.18
EWI	iShares MSCI Italy ETF	76.74
JPXN	iShares JPX-Nikkei 400 ETF	76.52
UIVM	VictoryShares International Value Momentum ETF	75.63
FLJP	Franklin FTSE Japan ETF	75.50
DISV	Dimensional International Small Cap Value ETF	75.13
BBJP	JPMorgan BetaBuilders Japan ETF	75.12
EWJ	iShares MSCI Japan ETF	74.67

Developed ex-U.S. Monthly Flows



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

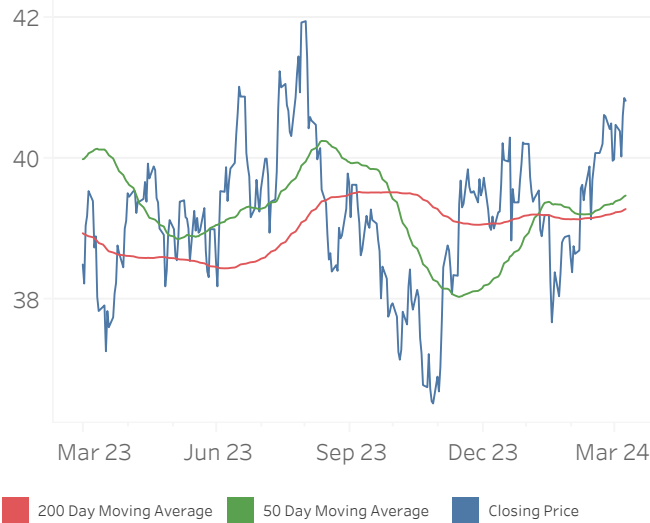
Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	-1.91%
MINV	Matthews Asia Innovators Active ETF	-1.09%
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	-1.02%
IDHQ	Invesco S&P International Developed High Quality ETF	-0.97%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.95%
FEZ	SPDR EURO STOXX 50 ETF	-0.92%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-0.91%
BKCI	BNY Mellon Concentrated International ETF	-0.83%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.83%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.82%

Developed ex-U.S. Most Oversold

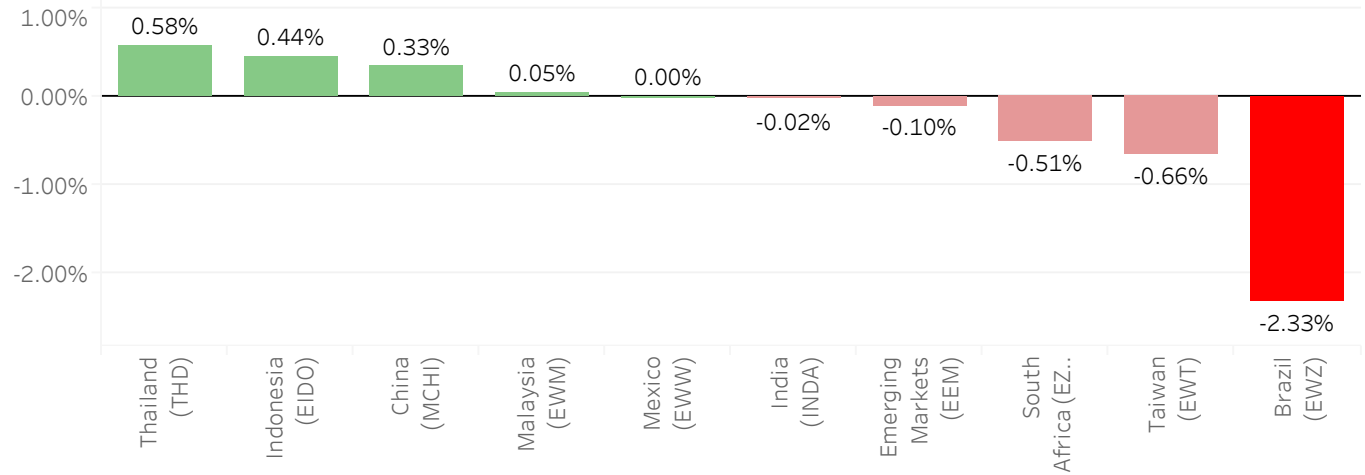
Ticker	Fund	Price
EWH	iShares MSCI Hong Kong ETF	48.74
EWO	iShares MSCI Austria ETF	50.66
ENZL	iShares MSCI New Zealand ETF	54.37
EWS	iShares MSCI Singapore ETF	55.91
FDD	First Trust Stoxx European Select Dividend Index Fu..	58.30
IDOG	ALPS International Sector Dividend Dogs ETF	58.38
ISRA	VanEck Israel ETF	58.63
EIS	iShares MSCI Israel ETF	59.53
IDV	iShares International Select Dividend ETF	59.54
EWU	iShares MSCI United Kingdom ETF	61.54

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

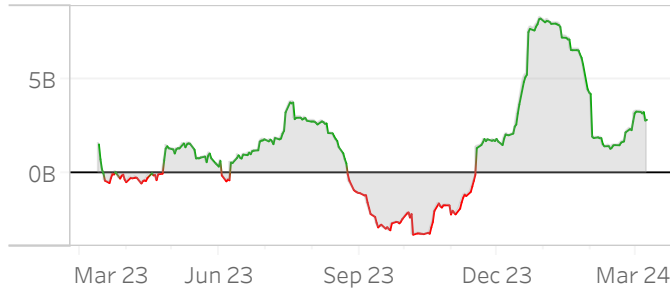
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



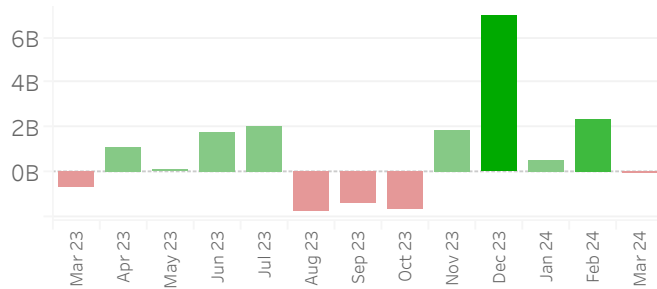
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECNS	iShares MSCI China Small-Cap ETF	1.30%
ECH	iShares MSCI Chile ETF	1.09%
EPHE	iShares MSCI Philippines ETF	1.06%
EPU	iShares MSCI Peru and Global Exposure ETF	1.00%
PGJ	Invesco Golden Dragon China ETF	0.91%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.73%
FXI	iShares China Large-Cap ETF	0.60%
TUR	iShares MSCI Turkey ETF	0.58%
THD	iShares MSCI Thailand ETF	0.58%
EIDO	iShares MSCI Indonesia ETF	0.44%

Emerging Most Overbought

Ticker	Fund	Price
EYLD	Cambria Emerging Shareholder Yield ETF	79.06
EPU	iShares MSCI Peru and Global Exposure ETF	76.62
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	68.27
FRDM	Freedom 100 Emerging Markets ETF	67.66
FM	iShares Frontier and Select EM ETF	67.52
FLTW	Franklin FTSE Taiwan ETF	67.13
EWT	iShares MSCI Taiwan ETF	66.38
EDIV	SPDR S&P Emerging Markets Dividend ETF	66.12
GMF	SPDR S&P Emerging Asia Pacific ETF	66.00
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	65.43

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZ	iShares MSCI Brazil ETF	-2.33%
FLBR	Franklin FTSE Brazil ETF	-2.31%
ILF	iShares Latin America 40 ETF	-2.09%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-1.53%
FLLA	Franklin FTSE Latin America ETF	-1.37%
DEM	WisdomTree Emerging Markets High Dividend Fund	-1.01%
FLTW	Franklin FTSE Taiwan ETF	-0.82%
QAT	iShares MSCI Qatar ETF	-0.72%
EWT	iShares MSCI Taiwan ETF	-0.66%
DEHP	Dimensional Emerging Markets High Profitability ETF	-0.64%

Emerging Most Oversold

Ticker	Fund	Price
EWZ	iShares MSCI Brazil ETF	40.75
FLLA	Franklin FTSE Latin America ETF	41.04
FLBR	Franklin FTSE Brazil ETF	41.13
ILF	iShares Latin America 40 ETF	42.23
EWZ	iShares MSCI Mexico ETF	43.16
ARGT	Global X MSCI Argentina ETF	46.09
TUR	iShares MSCI Turkey ETF	46.93
SMIN	iShares MSCI India Small Cap ETF	47.45
FLN	First Trust Latin America AlphaDEX Fund	50.09
EPOL	iShares MSCI Poland ETF	50.80

* 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	0.09%	0.92%	-0.40%
SHY	1-3 Year Treasury Bonds	0.05%	0.25%	0.30%
IEF	7-10 Year Treasury Bonds	0.07%	0.87%	-0.70%
TLT	20+ Year Treasury Bonds	-0.18%	2.12%	-2.58%
TIP	TIPS Bonds	0.08%	1.04%	0.09%
FLOT	Floating Rate Bonds	0.08%	0.65%	1.51%
LQD	Investment Grade Corporate	0.14%	1.03%	-0.78%
HYG	High Yield Corporate	0.03%	0.83%	1.08%
BKLN	Senior Loan	0.00%	1.13%	1.36%
PFF	Preferred & Income Securities	0.11%	1.86%	4.46%
MUB	Municipal Bonds	-0.01%	0.76%	0.26%
MBB	MBS	0.17%	1.07%	-0.60%
EMB	Dollar Denominated EM Bonds	0.11%	2.45%	1.02%
LEMB	Local Currency EM Bond	0.58%	1.53%	-0.84%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.23%	1.67%	0.39%
DBE	Energy	-1.10%	-1.18%	3.39%
USO	WTI Crude Oil	-1.17%	2.57%	10.07%
BNO	Brent Crude Oil	-1.06%	1.50%	9.12%
UNG	Natural Gas	0.62%	-7.41%	-20.46%
UGA	Gasoline	-1.00%	-2.12%	8.09%
DBP	Precious Metals	0.58%	7.01%	4.72%
GLD	Gold	0.85%	7.06%	5.47%
SLV	Silver	-0.04%	7.65%	2.07%
PPLT	abrdn Physical Platin..	-0.92%	2.33%	-8.13%
PALL	abrdn Physical Palla..	-1.14%	14.75%	-7.05%
DBB	Base Metals	-0.45%	4.50%	-3.50%
CPER	Copper	-0.82%	4.98%	0.46%
DBA	Agriculture	-0.09%	1.68%	8.15%
CORN	Corn	0.60%	-0.35%	-7.37%
SOYB	Soybeans	1.63%	-0.79%	-7.56%
WEAT	Wheat	1.98%	-7.72%	-13.90%
CANE	Sugar	-0.77%	-7.95%	3.75%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.04%	-0.82%	2.55%
UDN	Short Dollar	0.08%	1.70%	-0.84%
FXE	Euro	-0.09%	1.70%	-0.45%
FXB	British Pound Sterling	0.31%	2.18%	1.41%
FXF	Swiss Franc	0.03%	-0.38%	-4.11%
FXJ	Japanese Yen	0.69%	1.58%	-4.27%
FXC	Canadian Dollar	-0.28%	-0.03%	-1.35%
FXA	Australian Dollar	0.03%	2.07%	-2.55%

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