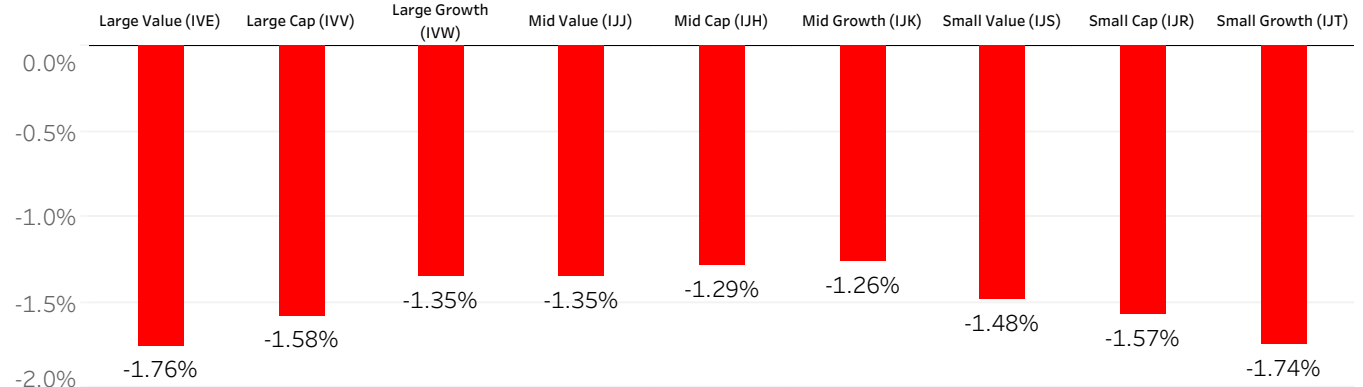


Large Cap Blend (S&P 500) IVV



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
SPC	CrossingBridge Pre-Merger SPAC ETF	0.12%
PTLC	Pacer Trendpilot US Large Cap ETF	0.03%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	-0.31%
TMFS	Motley Fool Small-Cap Growth ETF	-0.32%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	-0.33%
RPHS	Regents Park Hedged Market Strategy ETF	-0.36%
QQH	HCM Defender 100 Index ETF	-0.46%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.47%
LGH	HCM Defender 500 Index ETF	-0.57%
XMHQ	Invesco S&P MidCap Quality ETF	-0.58%

Size & Style Most Overbought

Ticker	Fund	Price
RFV	Invesco S&P Midcap 400 Pure Value ETF	69.31
TMFS	Motley Fool Small-Cap Growth ETF	66.33
RZV	Invesco S&P Smallcap 600 Pure Value ETF	63.79
SPHB	Invesco S&P 500 High Beta ETF	63.02
IJJ	iShares S&P Mid-Cap 400 Value ETF	62.46
FNK	First Trust Mid Cap Value AlphaDEX Fund	62.43
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	62.30
NUMG	Nuveen ESG Mid-Cap Growth ETF	62.30
RWK	Invesco S&P MidCap 400 Revenue ETF	62.15
VBK	Vanguard Small-Cap Growth ETF	61.81

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-2.33%
FDL	First Trust Morningstar Dividend Leaders Index Fund	-2.18%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	-2.17%
SPLV	Invesco S&P 500 Low Volatility ETF	-2.14%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-2.14%
ALTL	Pacer Lunt Large Cap Alternator ETF	-2.13%
DIVZ	TrueShares Low Volatility Equity Income ETF	-2.12%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-2.11%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-2.11%
HDV	iShares Core High Dividend ETF	-2.10%

Size & Style Most Oversold

Ticker	Fund	Price
WBIG	WBI BullBear Yield 3000 ETF	35.64
ONOF	Global X Adaptive U.S. Risk Management ETF	37.07
AUSF	Global X Adaptive U.S. Factor ETF	38.15
HUSV	First Trust Horizon Managed Volatility Domestic ETF	38.52
DIVZ	TrueShares Low Volatility Equity Income ETF	38.73
SPMO	Invesco S&P 500 Momentum ETF	39.18
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	39.34
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	39.69
RPHS	Regents Park Hedged Market Strategy ETF	39.77
MTUM	iShares MSCI USA Momentum Factor ETF	39.90

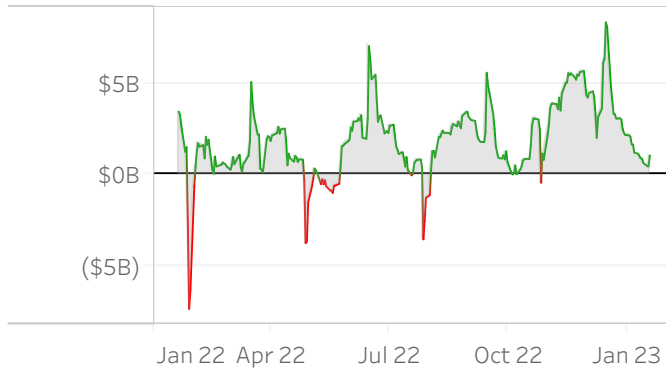
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

*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	25	\$1,225B	(\$1.61B)	\$0.22B	\$31.68B	\$68.57B
Large Cap, Beta, Beta: Growth	10	\$222B	(\$0.71B)	\$7.18B	\$12.99B	\$21.95B
Large Cap, Beta, Beta: Value	11	\$228B	(\$0.78B)	(\$0.20B)	\$1.93B	\$16.82B
Mid Cap, Beta, Beta	10	\$188B	\$0.13B	\$4.18B	\$7.05B	\$11.74B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.05B)	\$0.01B	\$1.01B	\$0.71B
Mid Cap, Beta, Beta: Value	6	\$42B	(\$0.06B)	\$0.50B	\$1.62B	\$1.31B
Small Cap, Beta, Beta	13	\$199B	\$0.80B	\$3.22B	\$7.33B	\$2.37B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.13B)	\$0.71B	\$1.15B	\$1.78B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.06B)	\$1.08B	\$0.00B	(\$2.89B)

U.S. Size & Style Flow Leaders

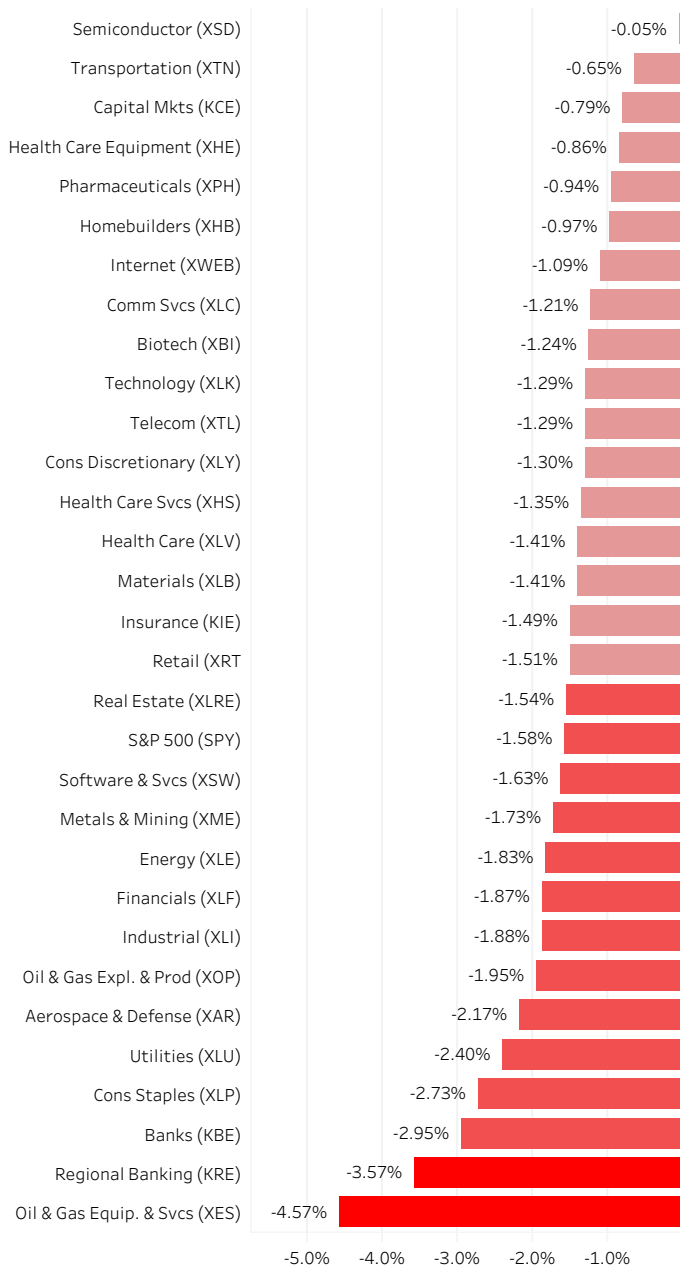
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.55B	\$5.54B	\$13.55B	\$24.99B	\$273.75B
VOO	Vanguard S&P 500 ETF	\$0.50B	\$2.37B	\$13.32B	\$41.36B	\$273.73B
IWM	iShares Russell 2000 ETF	\$0.44B	\$0.58B	\$1.15B	(\$1.38B)	\$54.97B
COWZ	Pacer US Cash Cows 100 ETF	\$0.26B	\$2.65B	\$4.39B	\$9.58B	\$11.39B
SCHD	Schwab US Dividend Equity ETF	\$0.25B	\$4.74B	\$8.48B	\$15.26B	\$46.53B
IJR	iShares Core S&P Small Cap ETF	\$0.24B	\$1.18B	\$3.55B	\$2.35B	\$69.43B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.19B	\$2.60B	\$2.84B	\$4.70B	\$35.12B
IJH	iShares Core S&P Mid-Cap ETF	\$0.14B	\$2.26B	\$3.72B	\$5.27B	\$67.57B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.13B	\$1.71B	\$1.35B	\$0.61B	\$12.28B
SPY	SPDR S&P 500 ETF Trust	\$0.10B	\$0.94B	\$11.57B	(\$6.26B)	\$371.79B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.58B)	(\$4.29B)	(\$5.09B)	(\$0.15B)	\$149.84B
IWF	iShares Russell 1000 Growth ETF	(\$0.79B)	\$1.06B	\$1.41B	\$2.78B	\$60.14B
IWD	iShares Russell 1000 Value ETF	(\$0.64B)	(\$0.40B)	(\$0.17B)	(\$0.91B)	\$54.64B
IVV	iShares Core S&P 500 ETF	(\$0.50B)	(\$0.96B)	\$4.82B	\$21.12B	\$299.59B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.29B)	(\$1.34B)	(\$2.26B)	\$1.32B	\$40.25B
VIG	Vanguard Dividend Appreciation ETF	(\$0.19B)	\$0.71B	\$1.46B	\$3.59B	\$66.52B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.18B)	(\$2.57B)	(\$2.50B)	(\$1.39B)	\$19.64B
IWN	iShares Russell 2000 Value ETF	(\$0.16B)	(\$0.04B)	\$0.20B	(\$1.92B)	\$12.46B
IUSG	iShares Core S&P U.S. Growth ETF	(\$0.15B)	\$0.54B	\$0.86B	\$1.46B	\$11.41B
IWB	iShares Russell 1000 ETF	(\$0.13B)	\$0.27B	\$0.81B	\$1.61B	\$28.48B

* 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	-4.80%	20.33%	-0.11%	6.04%	48.76
XLE	Energy Select Sector SPDR Fund	-5.94%	32.17%	0.22%	8.47%	53.11
XLV	Health Care Select Sector SPDR Fund	-6.94%	10.87%	-2.26%	1.71%	39.79
XLB	Materials Select Sector SPDR Fund	-9.69%	21.48%	1.45%	4.46%	55.50
XLP	Consumer Staples Select Sector SPDR Fund	-9.71%	9.40%	-3.18%	-1.18%	36.11
XLU	Utilities Select Sector SPDR Fund	-11.01%	13.00%	-1.38%	-2.11%	41.64
XLF	Financial Select Sector SPDR Fund	-14.21%	16.24%	0.56%	4.38%	52.70
SPY	SPDR S&P 500 ETF Trust	-15.18%	9.80%	-0.26%	-0.70%	51.70
XLK	Technology Select Sector SPDR Fund	-21.13%	11.01%	-0.04%	-2.61%	54.71
XLRE	Real Estate Select Sector SPDR Fund	-23.00%	15.37%	2.23%	-4.01%	56.69
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.96%	9.28%	0.59%	-7.15%	57.56
XLC	Communication Services Select Sector SPDR Fund	-32.66%	12.82%	3.19%	-4.85%	59.12

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
REM	iShares Mortgage Real Estate ETF	-0.04%
XSD	SPDR S&P Semiconductor ETF	-0.05%
MORT	VanEck Mortgage REIT Income ETF	-0.15%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-0.22%
FTXL	First Trust Nasdaq Semiconductor ETF	-0.33%
KBWD	Invesco KBW High Dividend Yield Financial ETF	-0.36%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-0.52%
SOXX	iShares Semiconductor ETF	-0.53%
ITB	iShares U.S. Home Construction ETF	-0.53%
BIZD	VanEck BDC Income ETF	-0.53%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWD	Invesco KBW High Dividend Yield Financial ETF	68.25
ITB	iShares U.S. Home Construction ETF	68.23
REM	iShares Mortgage Real Estate ETF	66.37
KCE	SPDR S&P Capital Markets ETF	66.33
XTN	SPDR S&P Transportation ETF	66.17
XSD	SPDR S&P Semiconductor ETF	65.84
FXD	First Trust Consumer Discretionary AlphaDEX Fund	64.47
PSCT	Invesco S&P SmallCap Information Technology ETF	64.38
MORT	VanEck Mortgage REIT Income ETF	63.77
FXZ	First Trust Materials AlphaDEX Fund	63.56

Sector & Industry 1 Day Performance Laggards

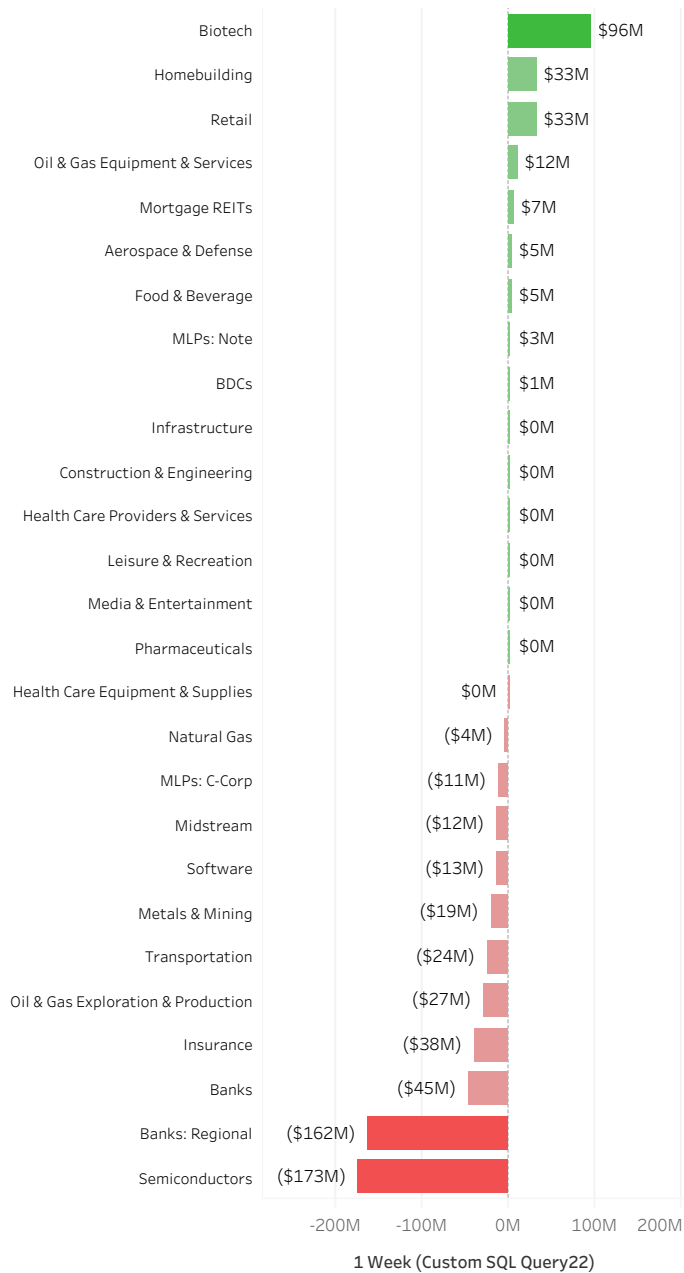
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-4.57%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-4.00%
IEZ	iShares U.S. Oil Equipment & Services ETF	-4.00%
KBWR	Invesco KBW Regional Banking ETF	-3.71%
PSCE	Invesco S&P SmallCap Energy ETF	-3.67%
KRE	SPDR S&P Regional Banking ETF	-3.57%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-3.48%
IAT	iShares U.S. Regional Banks ETF	-3.36%
FTXG	First Trust Nasdaq Food & Beverage ETF	-3.28%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-2.97%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYK	iShares U.S. Consumer Staples ETF	33.51
FTXG	First Trust Nasdaq Food & Beverage ETF	34.06
XLP	Consumer Staples Select Sector SPDR Fund	36.11
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	36.81
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	37.55
PBJ	Invesco Dynamic Food & Beverage ETF	37.62
VDC	Vanguard Consumer Staples ETF	37.65
IHF	iShares U.S. Healthcare Providers ETF	37.80
QABA	First Trust NASDAQ ABA Community Bank Index Fund	38.51
FXG	First Trust Consumer Staples AlphaDEX Fund	39.36

* 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	\$12B	\$101M	\$471M	(\$125M)	(\$646M)
Consumer Discretionary	12	\$21B	\$141M	(\$268M)	\$231M	(\$5,606M)
Consumer Staples	10	\$30B	\$73M	\$1,960M	\$2,753M	\$7,137M
Energy	32	\$82B	\$76M	(\$555M)	(\$481M)	(\$3,122M)
Financials	26	\$61B	(\$177M)	\$334M	\$1,082M	(\$17,196M)
Health Care	23	\$97B	\$55M	\$2,913M	\$2,001M	\$9,743M
Industrial	13	\$32B	(\$76M)	\$2,004M	\$1,416M	(\$2,033M)
Materials	9	\$15B	\$39M	\$229M	(\$1,042M)	(\$1,493M)
Multi-Sector	19	\$14B	\$25M	(\$18M)	(\$1,765M)	(\$6,641M)
Real Estate	25	\$62B	(\$6M)	\$232M	(\$1,181M)	(\$6,079M)
Technology	23	\$116B	(\$202M)	\$626M	\$479M	(\$1,243M)
Utilities	9	\$26B	(\$2M)	(\$465M)	(\$108M)	\$5,043M

U.S. Sector & Industry Flow Leaders

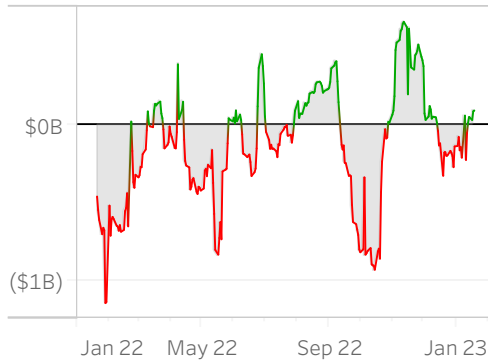
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$189M	(\$685M)	\$230M	(\$2,575M)	\$42,001M
XBI	SPDR S&P BIOTECH ETF	\$131M	\$1,265M	\$733M	\$3,243M	\$8,793M
FUTY	Fidelity MSCI Utilities Index ETF	\$88M	\$86M	\$143M	\$1,035M	\$2,237M
XLC	Communication Services Select Sector SPDR Fu..	\$83M	\$473M	(\$179M)	(\$354M)	\$8,846M
XLRE	Real Estate Select Sector SPDR Fund	\$81M	\$200M	\$389M	\$340M	\$5,410M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	\$80M	\$221M	\$229M	\$188M	\$572M
XLF	Financial Select Sector SPDR Fund	\$64M	\$1,438M	\$1,743M	(\$9,242M)	\$33,458M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$49M	(\$254M)	\$572M	(\$2,339M)	\$13,889M
IYW	iShares U.S. Technology ETF	\$39M	\$1,785M	\$1,991M	\$1,544M	\$8,344M
ITB	iShares U.S. Home Construction ETF	\$33M	\$142M	(\$63M)	(\$1,062M)	\$1,502M

U.S. Sector & Industry Flow Laggards

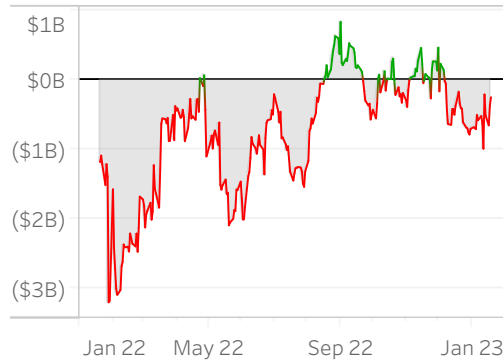
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	(\$175M)	(\$81M)	(\$269M)	(\$582M)	\$6,559M
KRE	SPDR S&P Regional Banking ETF	(\$166M)	(\$767M)	(\$457M)	(\$2,261M)	\$2,525M
XLU	Utilities Select Sector SPDR Fund	(\$100M)	(\$411M)	(\$311M)	\$3,235M	\$16,388M
VNQ	Vanguard Real Estate ETF	(\$87M)	(\$368M)	(\$1,472M)	(\$3,059M)	\$35,477M
IYE	iShares U.S. Energy ETF	(\$72M)	(\$347M)	(\$1,035M)	(\$1,792M)	\$2,003M
XLI	Industrial Select Sector SPDR Fund	(\$51M)	\$1,044M	\$741M	(\$2,613M)	\$14,736M
VGT	Vanguard Information Technology ETF	(\$42M)	\$123M	(\$803M)	(\$452M)	\$40,975M
XLV	Health Care Select Sector SPDR Fund	(\$41M)	\$1,301M	\$827M	\$6,095M	\$41,391M
KBWP	Invesco KBW Property & Casualty Insurance ETF	(\$34M)	\$30M	\$119M	\$263M	\$369M
KBWB	Invesco KBW Bank ETF	(\$31M)	(\$261M)	\$46M	(\$664M)	\$1,787M

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

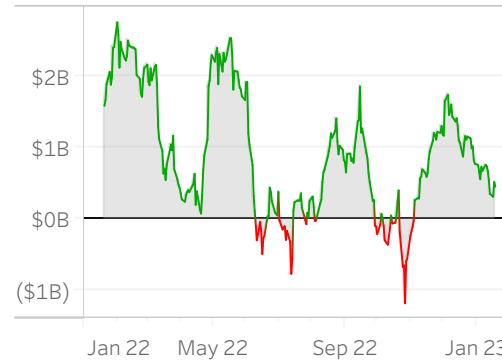
Communication Services



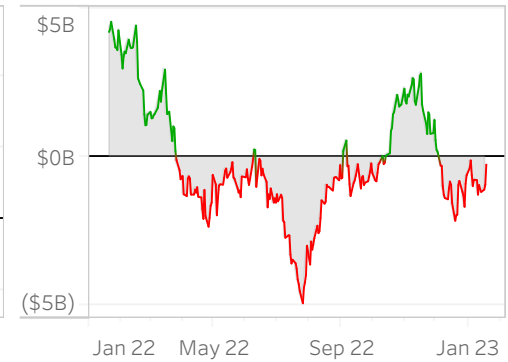
Consumer Discretionary



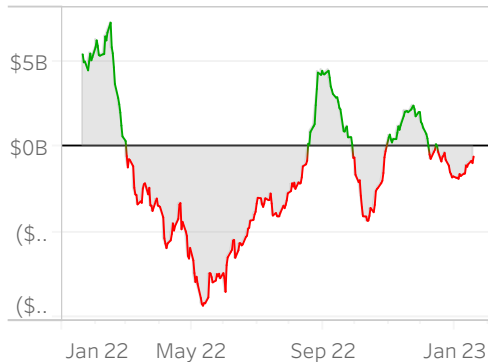
Consumer Staples



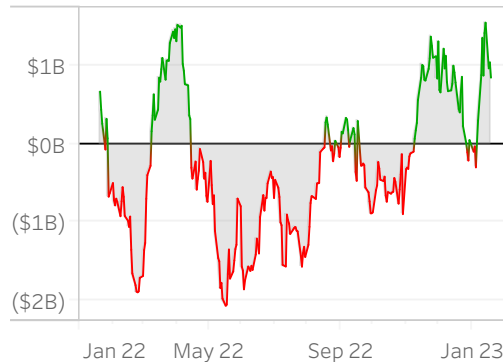
Energy



Financials



Industrial



Health Care



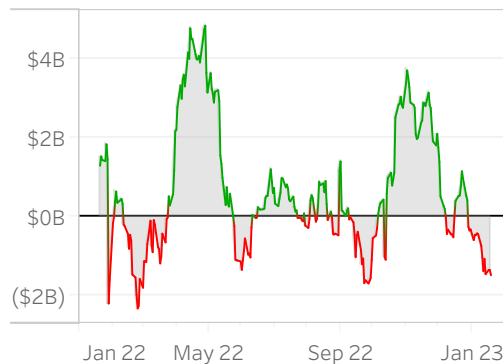
Materials



Real Estate



Technology



Utilities

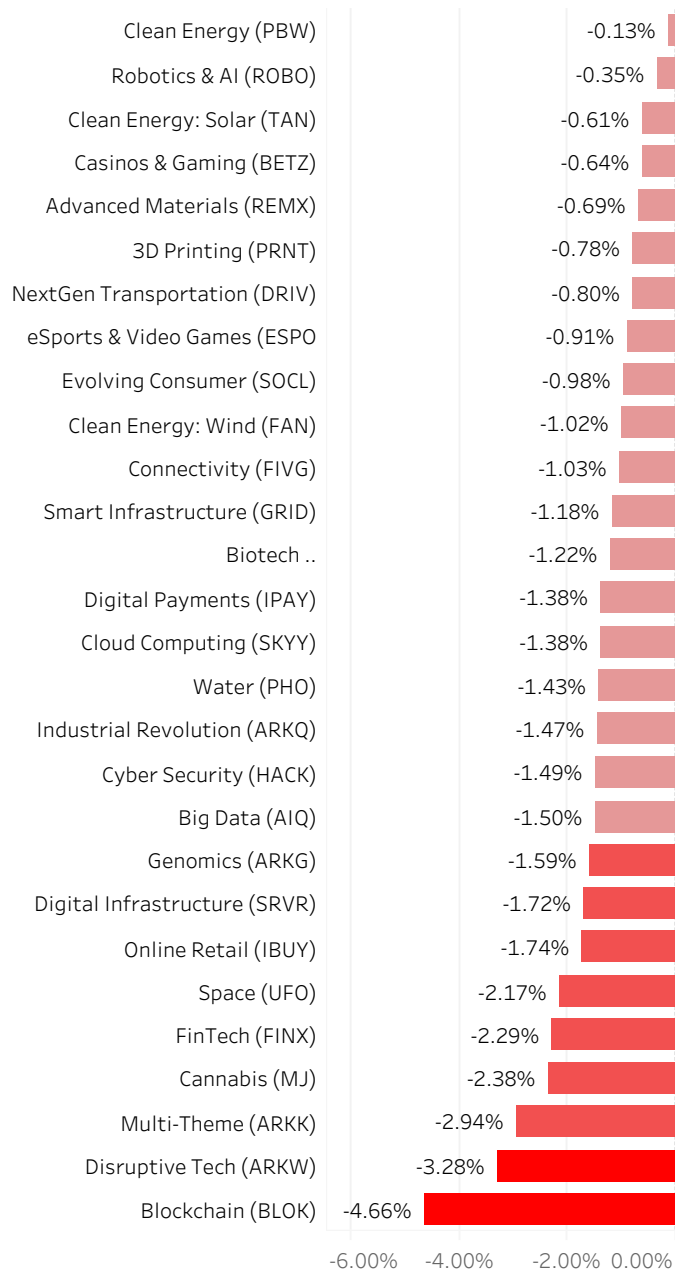


Multi-Sector

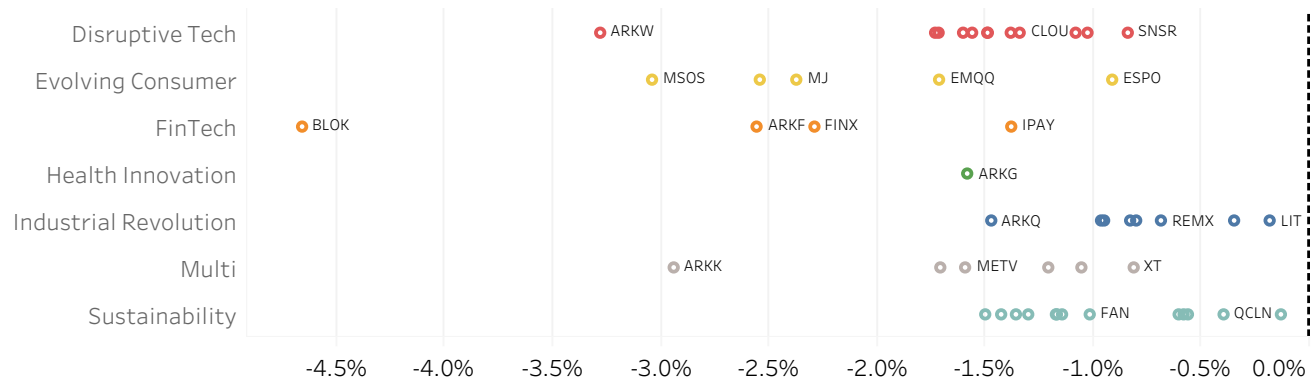


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AWAY	ETFMG Travel Tech ETF	-0.05%
HERO	Global X Video Games & Esports ETF	-0.10%
PBW	Invesco WilderHill Clean Energy ETF	-0.13%
LIT	Global X Lithium & Battery Tech ETF	-0.19%
GAMR	Wedbush ETFMG Video Game Tech ETF	-0.23%
ROBO	ROBO Global Robotics & Automation Index ETF	-0.35%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-0.40%
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	-0.44%
PBD	Invesco Global Clean Energy ETF	-0.49%
KLDW	Knowledge Leaders Developed World ETF	-0.49%

Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	75.42
ROBO	ROBO Global Robotics & Automation Index ETF	70.11
EBIZ	Global X E-Commerce ETF	68.37
GBUY	Goldman Sachs Future Consumer Equity ETF	67.88
BOTZ	Global X Robotics & Artificial Intelligence ETF	67.65
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	67.12
IBUY	Amplify Online Retail ETF	65.86
LEGR	First Trust Indxx Innovative Transaction & Process ETF	65.71
PRNT	3D Printing ETF	65.08
BITQ	Bitwise Crypto Industry Innovators ETF	65.06

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-8.59%
BKCH	Global X Blockchain ETF	-8.34%
BLOK	Amplify Transformational Data Sharing ETF	-4.66%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-3.30%
ARKW	ARK Next Generation Internet ETF	-3.28%
MSOS	AdvisorShares Pure US Cannabis ETF	-3.04%
ARKK	ARK Innovation ETF	-2.94%
MJUS	ETFMG U.S. Alternative Harvest ETF	-2.71%
ARKF	ARK Fintech Innovation ETF	-2.56%
KWEB	KraneShares CSI China Internet ETF	-2.54%

Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	39.39
MJUS	ETFMG U.S. Alternative Harvest ETF	41.77
SAMT	Strategas Macro Thematic Opportunities ETF	42.16
BUG	Global X Cybersecurity ETF	46.31
HACK	ETFMG Prime Cyber Security ETF	46.52
CIBR	First Trust NASDAQ Cybersecurity ETF	47.07
MJ	ETFMG Alternative Harvest ETF	47.30
IHAK	iShares Cybersecurity & Tech ETF	47.60
YOLO	AdvisorShares Pure Cannabis ETF	47.85
GDOC	Goldman Sachs Future Health Care Equity ETF	51.07

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$131M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$9M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$8M
TAN	Invesco Solar ETF	\$7M
FAN	First Trust Global Wind Energy ETF	\$7M
AGNG	Global X Aging Population ETF	\$6M
WNDY	Global X Wind Energy ETF	\$5M
ONLN	ProShares Online Retail ETF	\$5M
XT	iShares Exponential Technologies ETF	\$5M
CGW	Invesco S&P Global Water Index ETF	\$4M

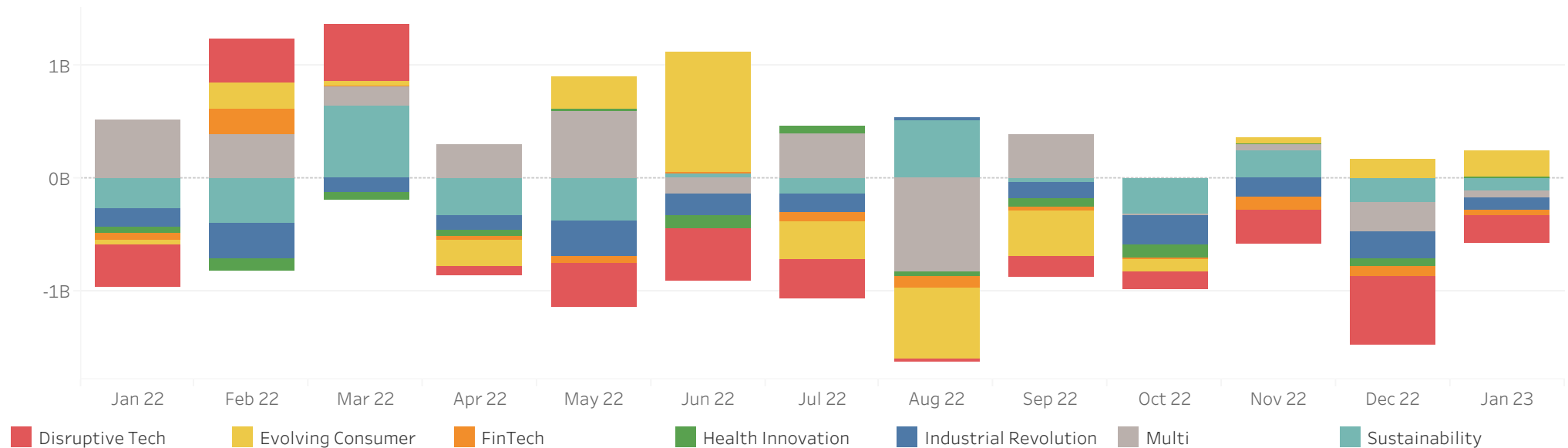
Thematic 1 Week Flow Laggards

Ticker	Fund	
BUG	Global X Cybersecurity ETF	(\$61M)
IBUY	Amplify Online Retail ETF	(\$20M)
ARKK	ARK Innovation ETF	(\$13M)
LIT	Global X Lithium & Battery Tech ETF	(\$11M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)
AIQ	Global X Artificial Intelligence & Technology ETF	(\$8M)
TARK	AXS 2X Innovation ETF	(\$7M)
ARKG	ARK Genomic Revolution ETF	(\$7M)
SMOG	VanEck Low Carbon Energy ETF	(\$6M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$5M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$85M)	(\$1,207M)	(\$1,550M)	(\$2,239M)
Evolving Consumer	46	\$11B	\$109M	\$364M	(\$940M)	\$302M
FinTech	20	\$3B	(\$1M)	(\$247M)	(\$457M)	(\$391M)
Health Innovation	19	\$3B	(\$6M)	(\$68M)	(\$390M)	(\$578M)
Industrial Revolution	31	\$11B	(\$16M)	(\$616M)	(\$923M)	(\$2,322M)
Multi	41	\$14B	(\$21M)	(\$157M)	(\$683M)	\$1,453M
Sustainability	40	\$19B	\$7M	(\$316M)	\$41M	(\$780M)
Grand Total	232	\$75B	(\$13M)	(\$2,247M)	(\$4,902M)	(\$4,555M)

Thematic Monthly Flows

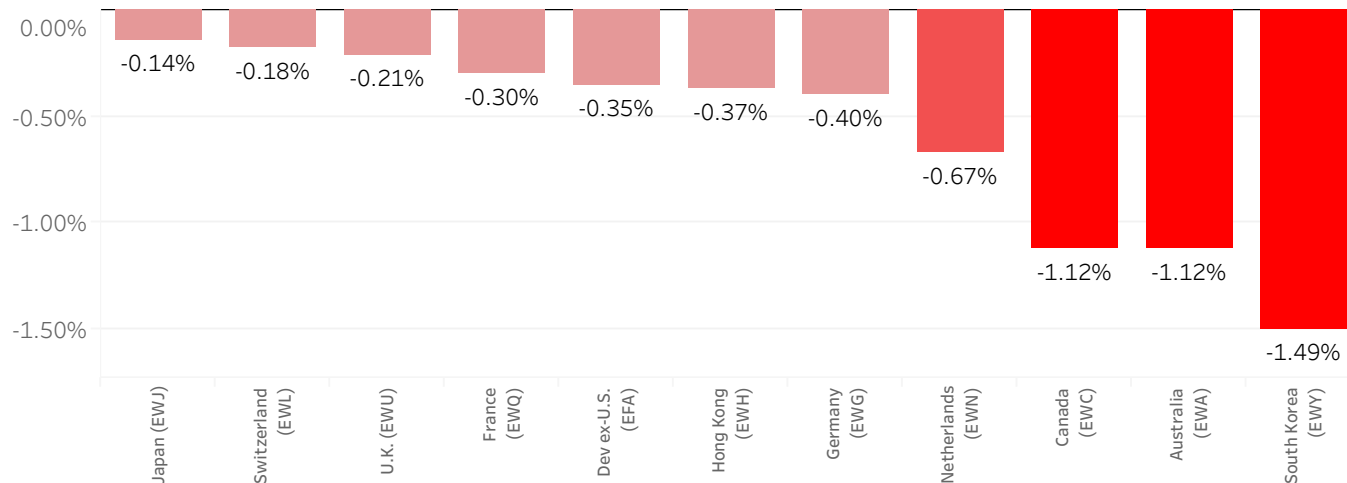


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



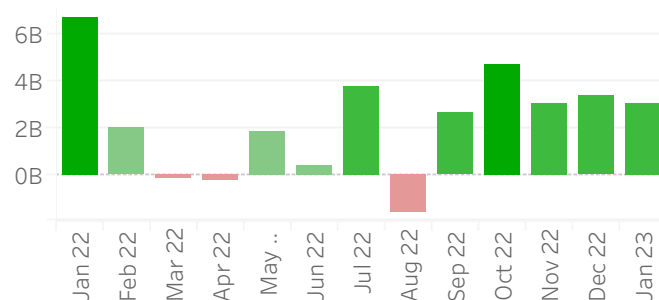
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	0.43%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.41%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.37%
EWD	iShares MSCI Sweden ETF	0.37%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	0.35%
IVAL	Alpha Architect International Quantitative Value ETF	0.34%
DXJ	WisdomTree Japan Hedged Equity Fund	0.33%
DFE	WisdomTree Europe SmallCap Dividend Fund	0.17%
EWUS	iShares MSCI United Kingdom Small Cap ETF	0.15%
FJP	First Trust Japan AlphaDEX Fund	0.14%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifactor ETF	76.37
FEP	First Trust Europe AlphaDEX Fund	75.89
EWG	iShares MSCI Germany ETF	75.67
EWP	iShares MSCI Spain ETF	75.53
EWQ	iShares MSCI France ETF	74.26
DFE	WisdomTree Europe SmallCap Dividend Fund	73.60
IEUS	iShares MSCI Europe Small-Cap ETF	73.56
IEUR	iShares Core MSCI Europe ETF	73.32
BBEU	JPMorgan BetaBuilders Europe ETF	73.26
DISV	Dimensional International Small Cap Value ETF	72.96

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	-1.49%
FLKR	Franklin FTSE South Korea ETF	-1.40%
MINV	Matthews Asia Innovators Active ETF	-1.37%
NORW	Global X MSCI Norway ETF	-1.33%
BBCA	JPMorgan BetaBuilders Canada ETF	-1.31%
TOK	iShares MSCI Kokusai ETF	-1.27%
EWA	iShares MSCI Australia ETF	-1.12%
EWC	iShares MSCI Canada ETF	-1.12%
FLCA	Franklin FTSE Canada ETF	-1.10%
CIL	VictoryShares International Volatility Wtd ETF	-1.08%

Developed ex-U.S. Most Oversold

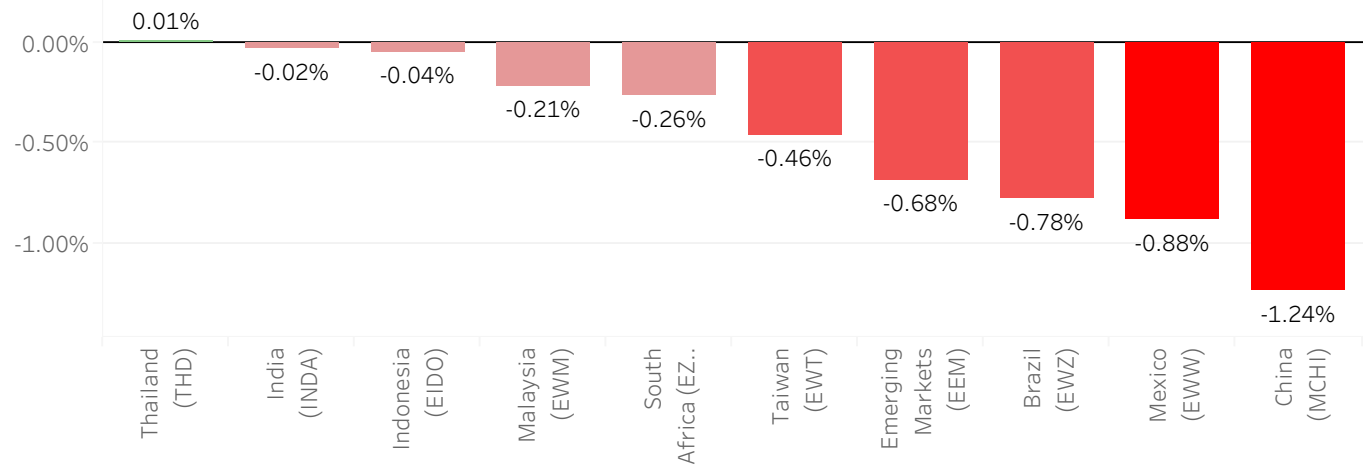
Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	38.03
NORW	Global X MSCI Norway ETF	47.94
IMOM	Alpha Architect International Quantitative Moment...	52.42
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	53.19
HEFA	iShares Currency Hedged MSCI EAFE ETF	55.50
DXJ	WisdomTree Japan Hedged Equity Fund	55.95
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	56.08
LVHI	Franklin International Low Volatility High Dividend I..	56.31
EWH	iShares MSCI Hong Kong ETF	57.09
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	57.38

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

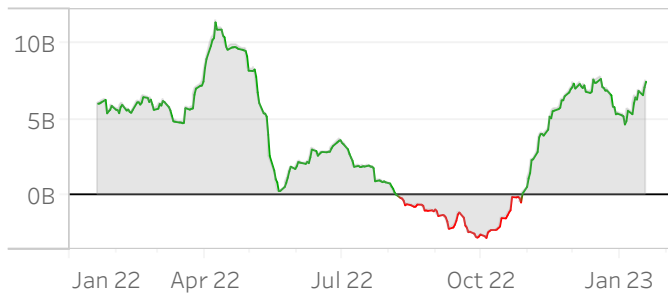
Emerging (EEM)



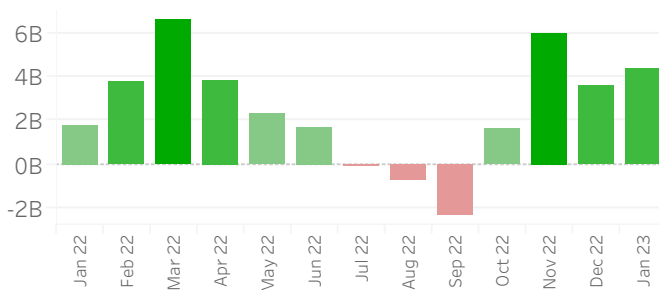
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	0.59%
EPHE	iShares MSCI Philippines ETF	0.57%
EYLD	Cambria Emerging Shareholder Yield ETF	0.24%
GLIN	VanEck India Growth Leaders ETF	0.23%
EPI	WisdomTree India Earnings Fund	0.15%
INDY	iShares India 50 ETF	0.09%
THD	iShares MSCI Thailand ETF	0.01%
PIN	Invesco India ETF	-0.01%
INDA	iShares MSCI India ETF	-0.02%
ECH	iShares MSCI Chile ETF	-0.04%

Emerging Most Overbought

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	74.69
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	72.70
CNYA	iShares MSCI China A ETF	72.50
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	72.24
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	70.46
PXH	Invesco FTSE RAFI Emerging Markets ETF	69.53
DEM	WisdomTree Emerging Markets High Dividend Fund	69.09
JPEM	J.P. Morgan Diversified Return Emerging Markets Eq..	68.88
RAYC	Rayliant Quantamental China Equity ETF	68.61
EDIV	SPDR S&P Emerging Markets Dividend ETF	68.60

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EMXF	iShares ESG Advanced MSCI EM ETF	-4.87%
PGJ	Invesco Golden Dragon China ETF	-2.52%
QAT	iShares MSCI Qatar ETF	-1.63%
EPOL	iShares MSCI Poland ETF	-1.33%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.30%
MCHI	iShares MSCI China ETF	-1.24%
ECNS	iShares MSCI China Small-Cap ETF	-1.21%
LDEM	iShares ESG MSCI EM Leaders ETF	-1.12%
KSA	iShares MSCI Saudi Arabia ETF	-1.03%
GXC	SPDR S&P China ETF	-1.02%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	31.83
PIN	Invesco India ETF	36.30
SMIN	iShares MSCI India Small Cap ETF	48.45
KSA	iShares MSCI Saudi Arabia ETF	49.85
NFTY	First Trust India NIFTY 50 Equal Weight ETF	50.80
INDY	iShares India 50 ETF	51.12
GLIN	VanEck India Growth Leaders ETF	52.90
FLIN	Franklin FTSE India ETF	53.24
INDA	iShares MSCI India ETF	53.69
EIDO	iShares MSCI Indonesia ETF	54.21

*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	0.99%	1.39%	3.86%
SHY	1-3 Year Treasury Bonds	0.22%	0.54%	0.86%
IEF	7-10 Year Treasury Bonds	1.36%	1.43%	4.43%
TLT	20+ Year Treasury Bonds	2.42%	1.42%	9.11%
TIP	TIPS Bonds	0.69%	0.95%	2.03%
FLOT	Floating Rate Bonds	0.14%	0.70%	0.32%
LQD	Investment Grade Corporate	1.17%	2.11%	5.62%
HYG	High Yield Corporate	0.12%	2.51%	3.86%
BKLN	Senior Loan	-0.05%	2.21%	2.97%
PFF	Preferred & Income Securities	0.03%	5.25%	7.66%
MUB	Municipal Bonds	0.60%	1.84%	2.55%
MBB	MBS	1.05%	1.40%	3.92%
EMB	Dollar Denominated EM Bonds	1.18%	3.59%	5.15%
LEMB	Local Currency EM Bond	0.17%	3.92%	3.00%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.04%	-0.98%	-1.25%
DBE	Energy	-1.73%	1.65%	-2.16%
USO	WTI Crude Oil	-1.91%	7.10%	-0.86%
BNO	Brent Crude Oil	-2.14%	6.93%	-1.24%
UNG	Natural Gas	-8.05%	-47.16%	-24.68%
UGA	Gasoline	-1.70%	17.49%	1.33%
DBP	Precious Metals	-0.64%	5.17%	2.88%
GLD	Gold	-0.29%	6.17%	4.39%
SLV	Silver	-2.00%	0.94%	-2.04%
PPLT	abrdn Physical Platin..	-0.36%	4.43%	-3.09%
PALL	abrdn Physical Palla..	-1.84%	-0.57%	-3.79%
DBB	Base Metals	0.51%	11.47%	12.13%
CPER	Copper	-0.39%	12.25%	10.74%
LD	Lead	-2.30%	0.44%	-5.65%
JJN	Nickel	4.83%	-2.29%	-6.48%
JJU	Aluminum	0.16%	10.58%	9.61%
JJT	Tin	1.46%	22.76%	14.93%
DBA	Agriculture	-0.66%	-0.98%	-3.37%
CORN	Corn	-0.89%	2.57%	-0.74%
SOYB	Soybeans	-1.19%	1.70%	-1.19%
WEAT	Wheat	-0.92%	-1.83%	-5.89%
CANE	Sugar	-0.31%	-0.03%	-0.21%
BAL	Cotton	2.58%	3.85%	1.93%
NIB	Cocoa	-0.99%	7.27%	1.44%
JO	Coffee	2.13%	-6.35%	-7.73%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.00%	-1.83%	-0.93%
UDN	Short Dollar	0.00%	2.56%	1.24%
FXE	Euro	-0.05%	1.86%	0.76%
FXB	British Pound Sterling	0.50%	1.64%	2.33%
FXF	Swiss Franc	0.64%	1.92%	0.84%
FXJ	Japanese Yen	-0.47%	6.14%	1.86%
FXC	Canadian Dollar	-0.88%	1.52%	0.36%
FXA	Australian Dollar	-0.66%	3.81%	1.93%

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