

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

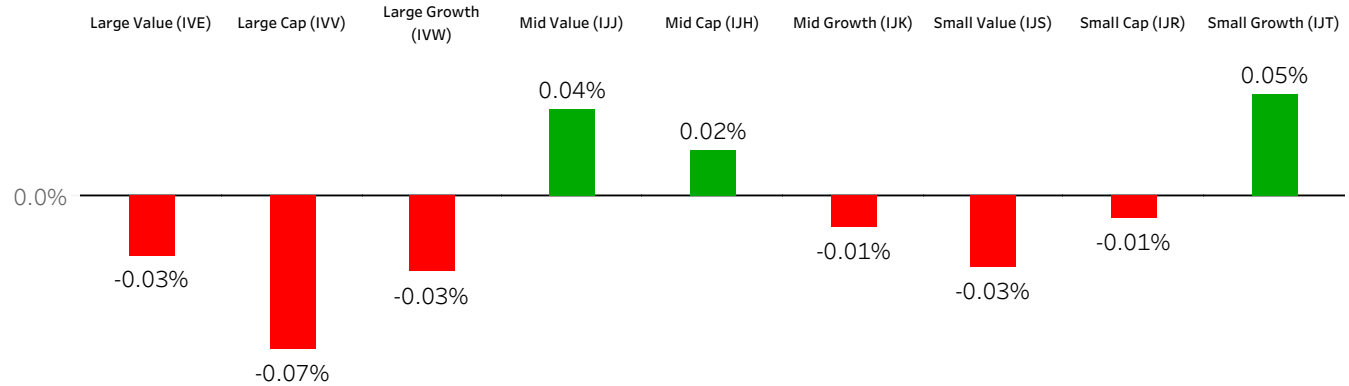


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	3.20%
BUZZ	VanEck Social Sentiment ETF	1.74%
AIEQ	AI Powered Equity ETF	1.70%
JSML	Janus Henderson Small Cap Growth Alpha ETF	1.63%
TMFM	Motley Fool Mid-Cap Growth ETF	1.36%
SPHB	Invesco S&P 500 High Beta ETF	1.36%
QQQN	VictoryShares Nasdaq Next 50 ETF	1.19%
NUMG	Nuveen ESG Mid-Cap Growth ETF	1.07%
ISCG	iShares Morningstar Small-Cap Growth ETF	0.90%
TMFS	Motley Fool Small-Cap Growth ETF	0.88%

Size & Style Most Overbought

Ticker	Fund	Price
RPV	Invesco S&P 500 Pure Value ETF	65.82
RFV	Invesco S&P Midcap 400 Pure Value ETF	64.83
SDOG	ALPS Sector Dividend Dogs ETF	63.57
FNK	First Trust Mid Cap Value AlphaDEX Fund	62.18
FTA	First Trust Large Cap Value AlphaDEX Fund	61.25
FAB	First Trust Multi Cap Value AlphaDEX Fund	60.46
RZV	Invesco S&P Smallcap 600 Pure Value ETF	60.40
IJJ	iShares S&P Mid-Cap 400 Value ETF	60.39
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	60.27
SPVU	Invesco S&P 500 Enhanced Value ETF	60.25

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PWV	Invesco Dynamic Large Cap Value ETF	-1.35%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.34%
DURA	VanEck Durable High Dividend ETF	-1.18%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-1.08%
HDV	iShares Core High Dividend ETF	-1.08%
AUSF	Global X Adaptive U.S. Factor ETF	-1.06%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-1.04%
SIXA	ETC 6 Meridian Mega Cap Equity ETF	-1.02%
SPMO	Invesco S&P 500 Momentum ETF	-1.01%
VFMV	Vanguard U.S. Minimum Volatility ETF	-1.00%

Size & Style Most Oversold

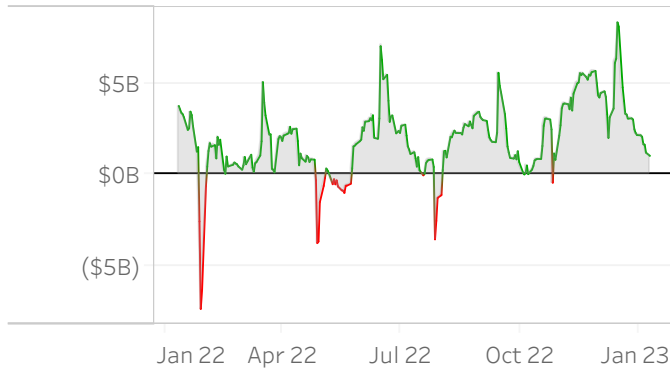
Ticker	Fund	Price
FFTY	Innovator IBD 50 ETF	35.46
PTLC	Pacer Trendpilot US Large Cap ETF	35.99
WBI	WBI Bull/Bear Yield 3000 ETF	37.84
RPHS	Regents Park Hedged Market Strategy ETF	38.40
QMOM	Momentumshares US Quantitative Momentum E..	39.45
MTUM	iShares MSCI USA Momentum Factor ETF	42.65
SPC	CrossingBridge Pre-Merger SPAC ETF	43.78
QQH	HCM Defender 100 Index ETF	44.41
FPX	First Trust US Equity Opportunities ETF	44.47
FDMO	Fidelity Momentum Factor ETF	44.55

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

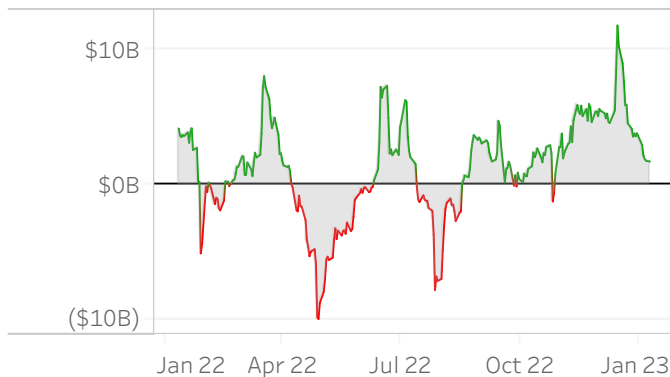
### Large-Cap 30-Day Rolling Flows



### 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 Growth, Beta	25	\$1,193B	\$0.48B	\$14.21B	\$35.19B	\$62.85B
Large Cap, Beta Growth, Beta: Growth	10	\$214B	(\$0.65B)	\$8.71B	\$14.60B	\$20.78B
Large Cap, Beta Growth, Beta: Value	11	\$227B	(\$0.80B)	\$0.99B	\$2.54B	\$18.97B
Mid Cap, Beta, Beta	10	\$181B	\$0.03B	\$4.77B	\$7.04B	\$11.51B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.01B	\$0.58B	\$1.08B	\$0.66B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.24B)	\$1.11B	\$1.52B	\$1.59B
Small Cap, Beta, Beta	13	\$189B	(\$1.14B)	\$1.94B	\$4.10B	\$0.07B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.03B)	\$1.04B	\$0.96B	\$1.81B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.04B)	\$1.06B	(\$0.28B)	(\$2.44B)

### U.S. Size & Style Flow Leaders

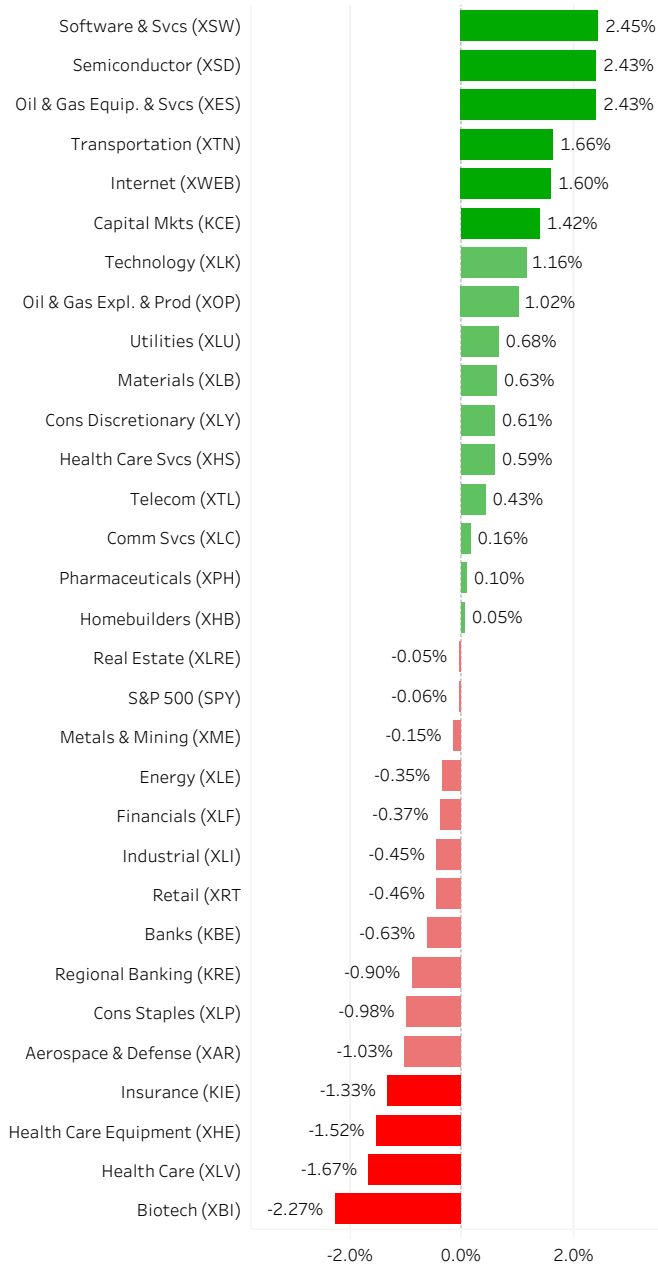
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.95B	\$9.80B	\$8.75B	(\$13.70B)	\$361.83B
VTI	Vanguard Total Stock Market ETF	\$0.47B	\$6.05B	\$13.49B	\$25.59B	\$265.41B
VOO	Vanguard S&P 500 ETF	\$0.39B	\$2.29B	\$13.89B	\$41.61B	\$266.48B
SCHD	Schwab US Dividend Equity ETF	\$0.28B	\$4.58B	\$8.23B	\$15.32B	\$46.26B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.16B	(\$0.24B)	(\$1.59B)	(\$1.97B)	\$18.07B
COWZ	Pacer US Cash Cows 100 ETF	\$0.11B	\$2.59B	\$4.11B	\$9.41B	\$10.74B
AVUV	Avantis U.S. Small Cap Value ETF	\$0.10B	\$0.95B	\$1.43B	\$2.70B	\$4.97B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	\$0.10B	\$0.10B	\$0.13B	\$0.20B	\$3.10B
VUG	Vanguard Growth ETF	\$0.09B	\$2.07B	\$4.41B	\$9.23B	\$68.65B
VB	Vanguard Small-Cap ETF	\$0.09B	\$0.24B	\$0.15B	(\$0.06B)	\$41.56B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.30B)	(\$1.93B)	(\$1.43B)	\$0.46B	\$145.45B
IWM	iShares Russell 2000 ETF	(\$1.15B)	\$0.06B	(\$0.61B)	(\$3.19B)	\$51.85B
IWF	iShares Russell 1000 Growth ETF	(\$0.71B)	\$2.39B	\$2.65B	\$2.81B	\$58.87B
IWD	iShares Russell 1000 Value ETF	(\$0.68B)	\$0.62B	\$0.34B	(\$0.31B)	\$54.94B
VYM	Vanguard High Dividend Yield Index ETF	(\$0.47B)	\$0.79B	\$2.60B	\$8.24B	\$51.00B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.38B)	\$0.15B	\$0.67B	\$1.05B	\$29.61B
IVV	iShares Core S&P 500 ETF	(\$0.36B)	\$0.75B	\$6.08B	\$21.31B	\$293.31B
VIG	Vanguard Dividend Appreciation ETF	(\$0.19B)	\$1.29B	\$1.64B	\$3.54B	\$66.32B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.18B)	\$0.07B	\$0.20B	(\$0.63B)	\$7.53B
IVE	iShares S&P 500 Value ETF	(\$0.15B)	\$0.51B	\$0.04B	\$2.13B	\$25.24B

\* 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	-4.06%	21.27%	1.64%	6.94%	57.23
XLV	Health Care Select Sector SPDR Fund	-6.60%	11.27%	-1.58%	1.93%	40.79
XLP	Consumer Staples Select Sector SPDR Fund	-6.86%	12.84%	0.34%	1.76%	50.97
XLE	Energy Select Sector SPDR Fund	-7.26%	39.71%	-1.44%	7.48%	51.93
XLU	Utilities Select Sector SPDR Fund	-8.50%	16.19%	2.38%	0.39%	55.45
XLB	Materials Select Sector SPDR Fund	-10.68%	20.14%	1.74%	3.06%	57.87
XLF	Financial Select Sector SPDR Fund	-14.11%	16.38%	1.42%	4.30%	60.03
SPY	SPDR S&P 500 ETF Trust	-15.97%	8.78%	-0.54%	-2.06%	51.68
XLK	Technology Select Sector SPDR Fund	-23.09%	8.25%	-1.76%	-5.59%	49.74
XLRE	Real Estate Select Sector SPDR Fund	-25.18%	12.11%	0.50%	-7.53%	53.11
XLY	Consumer Discretionary Select Sector SPDR Fund	-30.63%	5.24%	-2.99%	-11.45%	49.50
XLC	Communication Services Select Sector SPDR Fund	-33.65%	11.16%	3.27%	-7.23%	61.58

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XSW	SPDR S&P Software & Services ETF	2.45%
XSD	SPDR S&P Semiconductor ETF	2.43%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.43%
IGV	iShares Expanded Tech-Software Sector ETF	2.06%
PSI	Invesco Dynamic Semiconductors ETF	2.01%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.97%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	1.87%
SOXX	iShares Semiconductor ETF	1.84%
PXJ	Invesco Dynamic Oil & Gas Services ETF	1.78%
XTN	SPDR S&P Transportation ETF	1.66%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	66.35
FXZ	First Trust Materials AlphaDEX Fund	64.52
FXD	First Trust Consumer Discretionary AlphaDEX Fund	63.82
ITB	iShares U.S. Home Construction ETF	63.69
IYG	iShares US Financial Services ETF	62.23
PEJ	Invesco Dynamic Leisure & Entertainment ETF	62.14
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ..	61.92
XHB	SPDR S&P Homebuilders ETF	61.62
XLC	Communication Services Select Sector SPDR Fund	61.58
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	61.03

## Sector & Industry 1 Day Performance Laggards

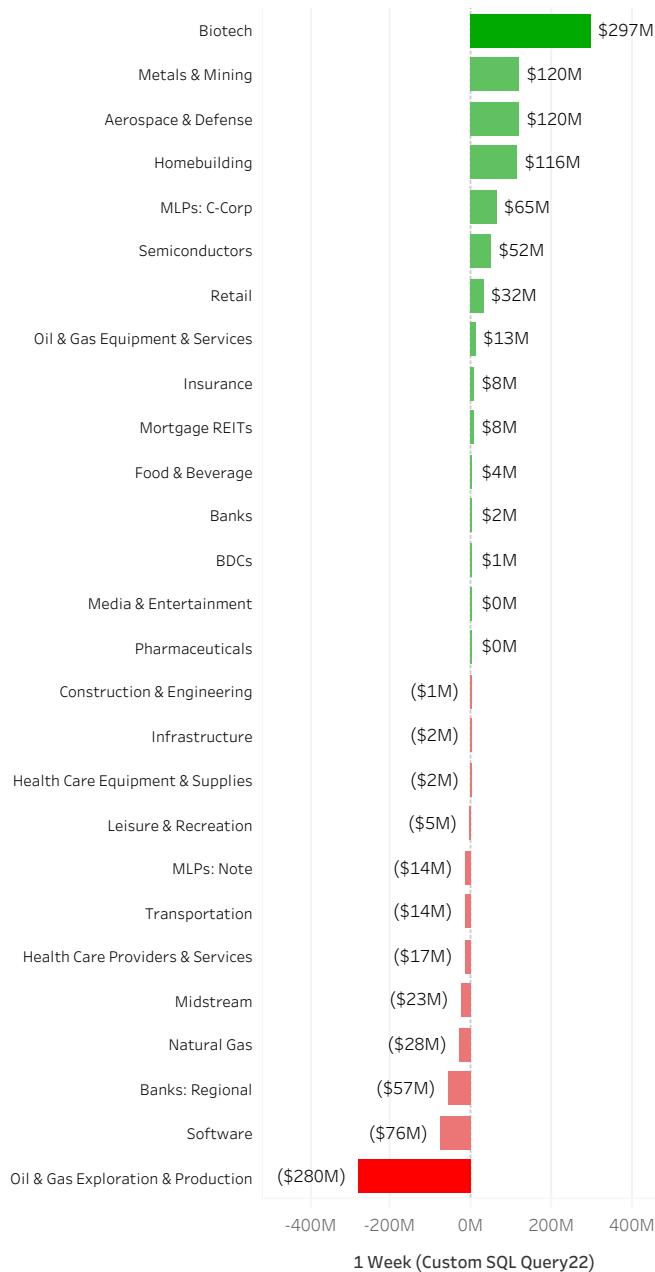
Ticker	Fund	1 Day Performance
PINK	Simplify Health Care ETF	-3.32%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-2.62%
PJP	Invesco Dynamic Pharmaceuticals ETF	-2.46%
XBI	SPDR S&P BIOTECH ETF	-2.27%
IBB	iShares Biotechnology ETF	-2.15%
ITA	iShares U.S. Aerospace & Defense ETF	-1.91%
IHE	iShares U.S. Pharmaceuticals ETF	-1.86%
IAK	iShares U.S. Insurance ETF	-1.78%
IYH	iShares U.S. Healthcare ETF	-1.74%
PPA	Invesco Aerospace & Defense ETF	-1.68%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PINK	Simplify Health Care ETF	33.21
IHF	iShares U.S. Healthcare Providers ETF	33.82
XLV	Health Care Select Sector SPDR Fund	40.79
IYH	iShares U.S. Healthcare ETF	41.64
VHT	Vanguard Health Care ETF	42.05
FHLC	Fidelity MSCI Health Care Index ETF	42.27
PTH	Invesco DWA Healthcare Momentum ETF	43.20
PXE	Invesco Dynamic Energy Exploration & Production ETF	44.59
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	44.79
PBE	Invesco Dynamic Biotechnology & Genome ETF	45.18

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## 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	\$193M	\$462M	(\$12M)	(\$512M)
Consumer Discretionary	12	\$20B	\$186M	(\$446M)	(\$697M)	(\$6,224M)
Consumer Staples	10	\$31B	\$190M	\$2,066M	\$2,915M	\$7,571M
Energy	32	\$80B	(\$420M)	\$390M	(\$476M)	(\$1,852M)
Financials	26	\$60B	\$193M	\$660M	(\$463M)	(\$15,716M)
Health Care	23	\$97B	\$262M	\$3,395M	\$3,320M	\$10,110M
Industrial	13	\$32B	\$974M	\$1,997M	\$1,323M	(\$2,019M)
Materials	9	\$14B	\$101M	\$71M	(\$2,096M)	(\$1,842M)
Multi-Sector	19	\$13B	\$98M	(\$228M)	(\$1,835M)	(\$6,812M)
Real Estate	25	\$60B	(\$68M)	\$470M	(\$1,071M)	(\$5,516M)
Technology	23	\$111B	(\$232M)	\$2,001M	\$837M	(\$742M)
Utilities	9	\$26B	\$184M	(\$671M)	\$808M	\$5,362M

## U.S. Sector & Industry Flow Leaders

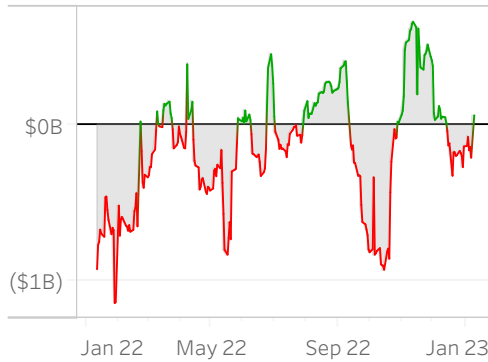
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$843M	\$1,156M	\$781M	(\$2,539M)	\$14,748M
XLF	Financial Select Sector SPDR Fund	\$297M	\$1,359M	\$524M	(\$8,722M)	\$32,696M
XLC	Communication Services Select Sector SPDR Fu..	\$269M	\$528M	(\$109M)	(\$244M)	\$8,571M
XBI	SPDR S&P BIOTECH ETF	\$254M	\$1,123M	\$691M	\$3,368M	\$8,291M
XLU	Utilities Select Sector SPDR Fund	\$185M	(\$478M)	\$437M	\$3,706M	\$16,559M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$177M	(\$377M)	(\$81M)	(\$2,592M)	\$13,041M
XLP	Consumer Staples Select Sector SPDR Fund	\$132M	\$1,489M	\$1,744M	\$3,982M	\$17,743M
XME	SPDR S&P Metals & Mining ETF	\$120M	\$265M	(\$111M)	\$17M	\$2,212M
ITA	iShares U.S. Aerospace & Defense ETF	\$84M	\$589M	\$548M	\$2,031M	\$4,830M
SOXX	iShares Semiconductor ETF	\$75M	(\$148M)	(\$357M)	(\$579M)	\$6,183M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$267M)	\$278M	(\$516M)	(\$883M)	\$4,299M
VGT	Vanguard Information Technology ETF	(\$215M)	\$306M	(\$292M)	\$252M	\$39,267M
XLE	Energy Select Sector SPDR Fund	(\$154M)	(\$578M)	\$38M	(\$2,361M)	\$40,728M
IYR	iShares U.S. Real Estate ETF	(\$152M)	\$470M	(\$186M)	(\$2,370M)	\$3,741M
IGV	iShares Expanded Tech-Software Sector ETF	(\$76M)	(\$411M)	(\$144M)	\$594M	\$4,260M
KRE	SPDR S&P Regional Banking ETF	(\$53M)	(\$509M)	(\$436M)	(\$1,991M)	\$2,645M
XLV	Health Care Select Sector SPDR Fund	(\$41M)	\$1,632M	\$1,940M	\$6,185M	\$41,912M
IYZ	iShares U.S. Telecommunications ETF	(\$40M)	(\$77M)	\$50M	\$1M	\$423M
VOX	Vanguard Communication Services ETF	(\$32M)	\$24M	\$50M	(\$188M)	\$2,478M
FCG	First Trust Natural Gas ETF	(\$28M)	(\$34M)	\$143M	\$275M	\$834M

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Communication Services



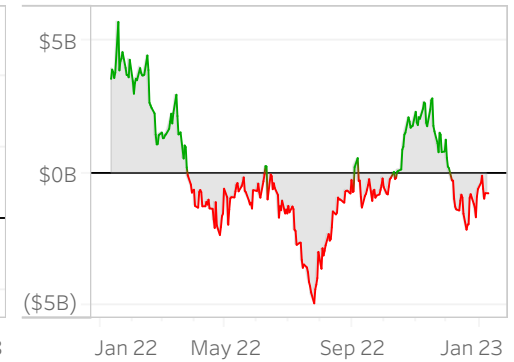
Consumer Discretionary



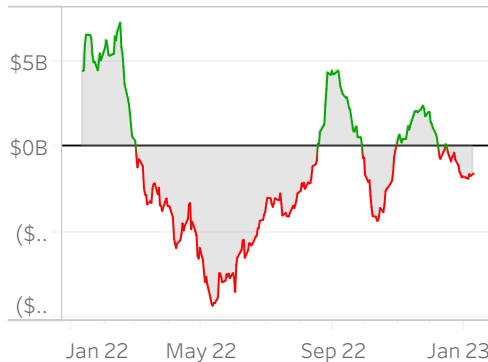
Consumer Staples



Energy



Financials



Industrial



Health Care



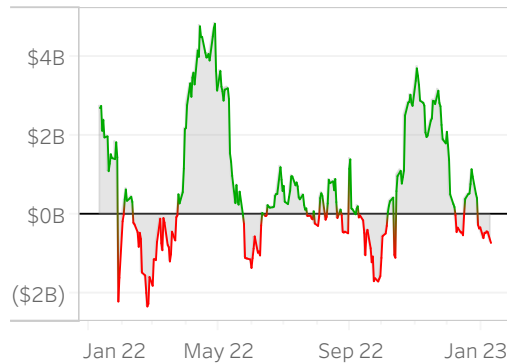
Materials



Real Estate



Technology



Utilities

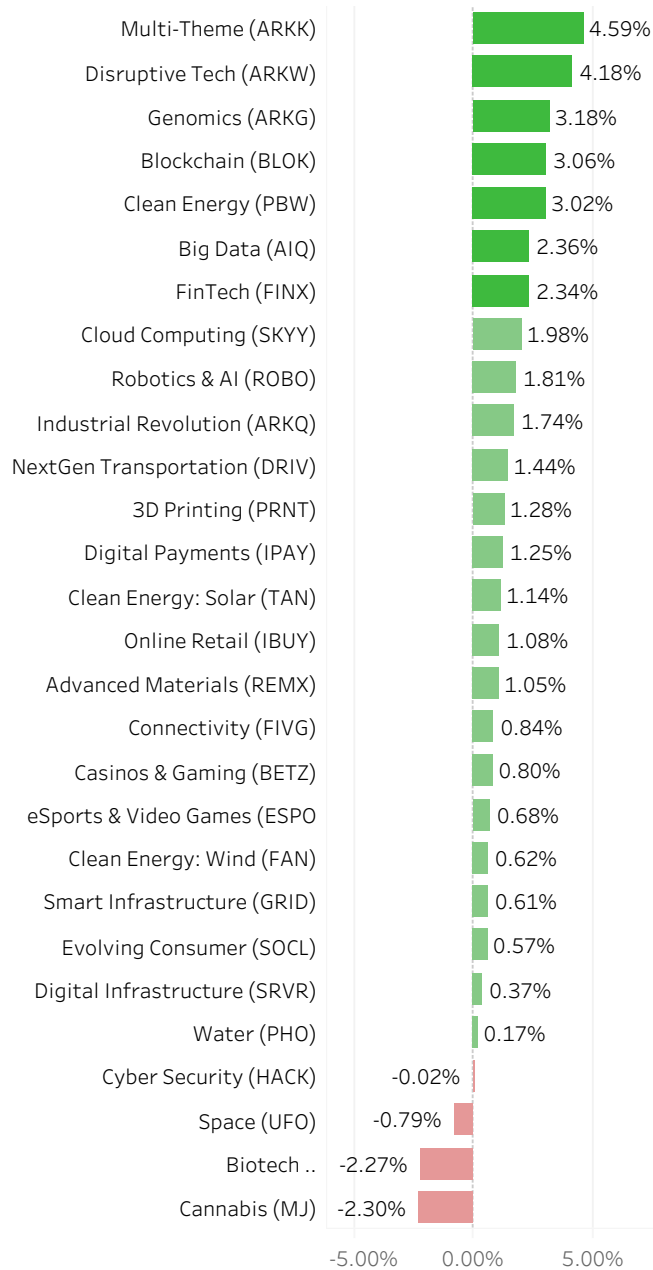


Multi-Sector

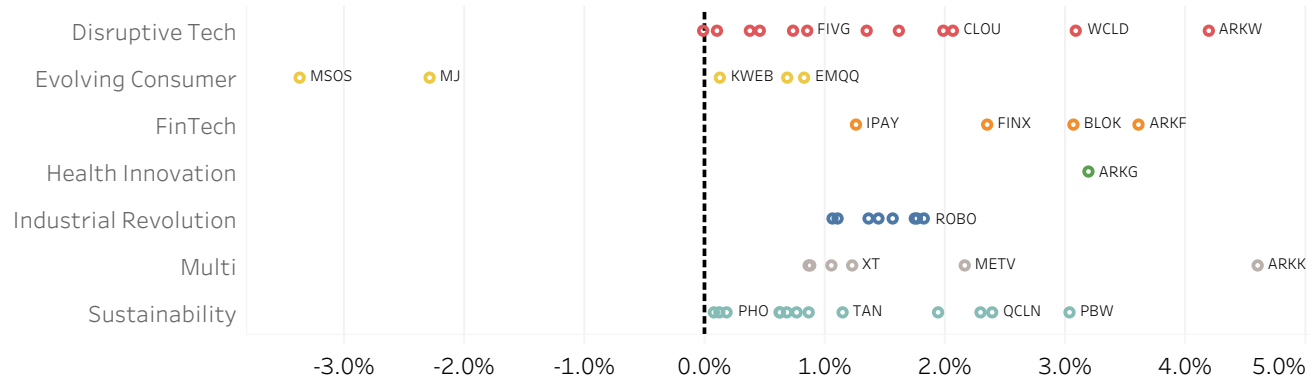


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ARKK	ARK Innovation ETF	4.59%
ARKW	ARK Next Generation Internet ETF	4.18%
ARKF	ARK Fintech Innovation ETF	3.60%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	3.47%
ARKG	ARK Genomic Revolution ETF	3.18%
WCLD	WisdomTree Cloud Computing Fund	3.08%
BLOK	Amplify Transformational Data Sharing ETF	3.06%
PBW	Invesco WilderHill Clean Energy ETF	3.02%
CTEC	Global X CleanTech ETF	2.69%
XITK	SPDR FactSet Innovative Technology ETF	2.63%

## Thematic Most Overbought

Ticker	Fund	Price
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	70.38
KWEB	KraneShares CSI China Internet ETF	69.02
SOCL	Global X Social Media ETF	69.01
AWAY	ETFMTG Travel Tech ETF	67.10
LEGR	First Trust Indxx Innovative Transaction & Process ETF	66.29
IPAY	ETFMTG Prime Mobile Payments ETFMTG Prime Mobile Pay..	62.68
FAN	First Trust Global Wind Energy ETF	62.59
BJK	VanEck Gaming ETF	62.25
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	61.84
KGRN	KraneShares MSCI China Clean Technology Index ETF	61.83

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.38%
YOLO	AdvisorShares Pure Cannabis ETF	-2.67%
MJ	ETFMTG Alternative Harvest ETFMTG Alternative Harvest	-2.30%
SBIO	ALPS Medical Breakthroughs ETF	-2.27%
GNOM	Global X Genomics & Biotechnology ETF	-1.56%
BTEC	Principal Healthcare Innovators ETF	-1.30%
MJUS	ETFMTG U.S. Alternative Harvest ETF	-1.03%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.98%
IDNA	iShares Genomics Immunology and Healthcare ETF	-0.97%
UFO	Procore Space ETF	-0.79%

## Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	35.59
YOLO	AdvisorShares Pure Cannabis ETF	36.52
MJUS	ETFMTG U.S. Alternative Harvest ETF	36.86
MJ	ETFMTG Alternative Harvest ETFMTG Alternative Harvest	36.88
BUG	Global X Cybersecurity ETF	38.88
HACK	ETFMTG Prime Cyber Security ETFMTG Prime Cyber Securit..	40.70
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	41.16
ACES	ALPS Clean Energy ETF	42.42
IHAK	iShares Cybersecurity & Tech ETF	43.04
CIBR	First Trust NASDAQ Cybersecurity ETF	43.61

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$35M
ARKW	ARK Next Generation Internet ETF	\$23M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$9M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$9M
ARKG	ARK Genomic Revolution ETF	\$8M
TIME	Clockwise Capital Innovation ETF	\$5M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$5M
ONLN	ProShares Online Retail ETF	\$4M
HTEC	ROBO Global Healthcare Technology and Innovation ETF	\$2M
GCLN	Goldman Sachs Bloomberg Clean Energy Equity ETF	\$2M

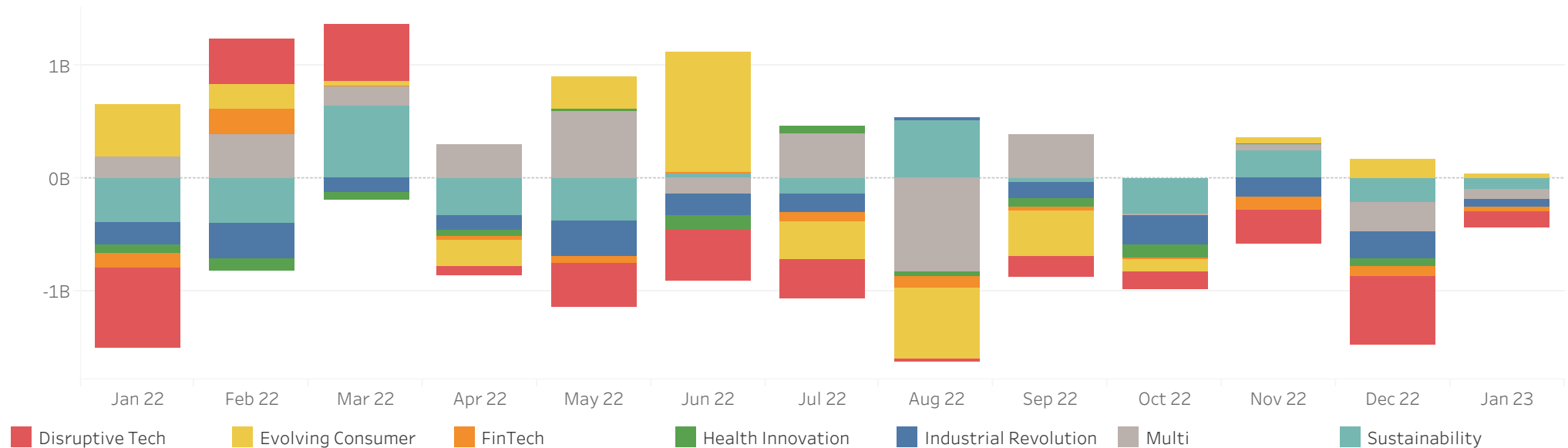
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$107M)
BUG	Global X Cybersecurity ETF	(\$65M)
ICLN	iShares Global Clean Energy ETF	(\$51M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$33M)
LIT	Global X Lithium & Battery Tech ETF	(\$29M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$22M)
PBW	Invesco WilderHill Clean Energy ETF	(\$18M)
FINX	Global X FinTech ETF	(\$15M)
SKYY	First Trust Cloud Computing ETF	(\$14M)
TAN	Invesco Solar ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$14B	(\$114M)	(\$1,207M)	(\$1,627M)	(\$2,465M)
Evolving Consumer	46	\$11B	\$18M	\$98M	(\$1,366M)	\$614M
FinTech	21	\$2B	(\$43M)	(\$259M)	(\$464M)	(\$443M)
Health Innovation	19	\$3B	\$25M	(\$141M)	(\$377M)	(\$622M)
Industrial Revolution	32	\$10B	(\$61M)	(\$689M)	(\$948M)	(\$2,305M)
Multi	41	\$12B	(\$77M)	(\$112M)	(\$707M)	\$1,108M
Sustainability	40	\$17B	(\$83M)	(\$416M)	\$28M	(\$897M)
Grand Total	234	\$70B	(\$334M)	(\$2,726M)	(\$5,462M)	(\$5,010M)

## Thematic Monthly Flows

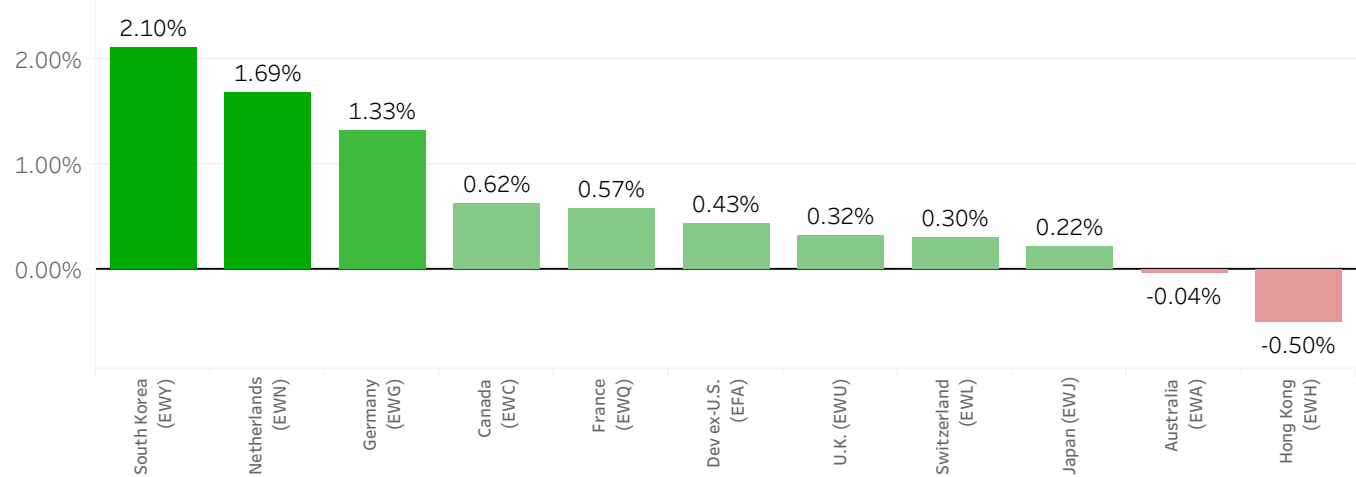


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



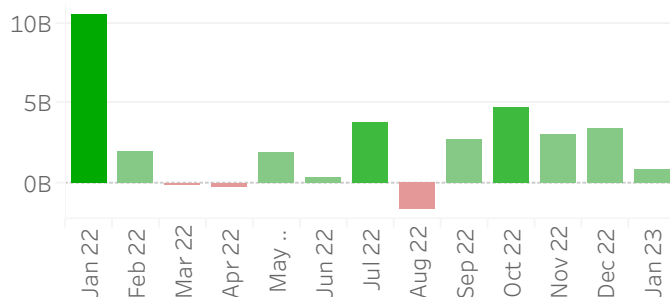
Developed ex-U.S. 1-Day Performance Top 10 Countries



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



Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	2.23%
EWY	iShares MSCI South Korea ETF	2.10%
EWD	iShares MSCI Sweden ETF	1.77%
EWN	iShares MSCI Netherlands ETF	1.69%
CIL	VictoryShares International Volatility Wtd ETF	1.52%
FSZ	First Trust Switzerland AlphaDEX Fund	1.44%
EWG	iShares MSCI Germany ETF	1.33%
AIA	iShares Asia 50 ETF	1.21%
FEZ	SPDR EURO STOXX 50 ETF	1.09%
IVAL	Alpha Architect International Quantitative Value ETF	1.04%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EIRL	iShares MSCI Ireland ETF	72.73
EWP	iShares MSCI Spain ETF	72.72
IMFL	Invesco International Developed Dynamic Multifactor ETF	72.37
EWG	iShares MSCI Germany ETF	71.26
AIA	iShares Asia 50 ETF	70.68
EZU	iShares MSCI Eurozone ETF	69.41
FEP	First Trust Europe AlphaDEX Fund	69.32
CIL	VictoryShares International Volatility Wtd ETF	69.08
IDV	iShares International Select Dividend ETF	68.65
MINV	Matthews Asia Innovators Active ETF	68.63

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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-0.88%
EWH	iShares MSCI Hong Kong ETF	-0.50%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.34%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-0.24%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.23%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	-0.21%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.19%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.18%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.11%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.11%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	24.91
DXJ	WisdomTree Japan Hedged Equity Fund	39.23
IMOM	Alpha Architect International Quantitative Moment..	40.63
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	42.73
IVAL	Alpha Architect International Quantitative Value ETF	42.87
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	43.13
HEFA	iShares Currency Hedged MSCI EAFE ETF	45.97
NORW	Global X MSCI Norway ETF	48.65
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	48.82
ISRA	VanEck Israel ETF	48.94

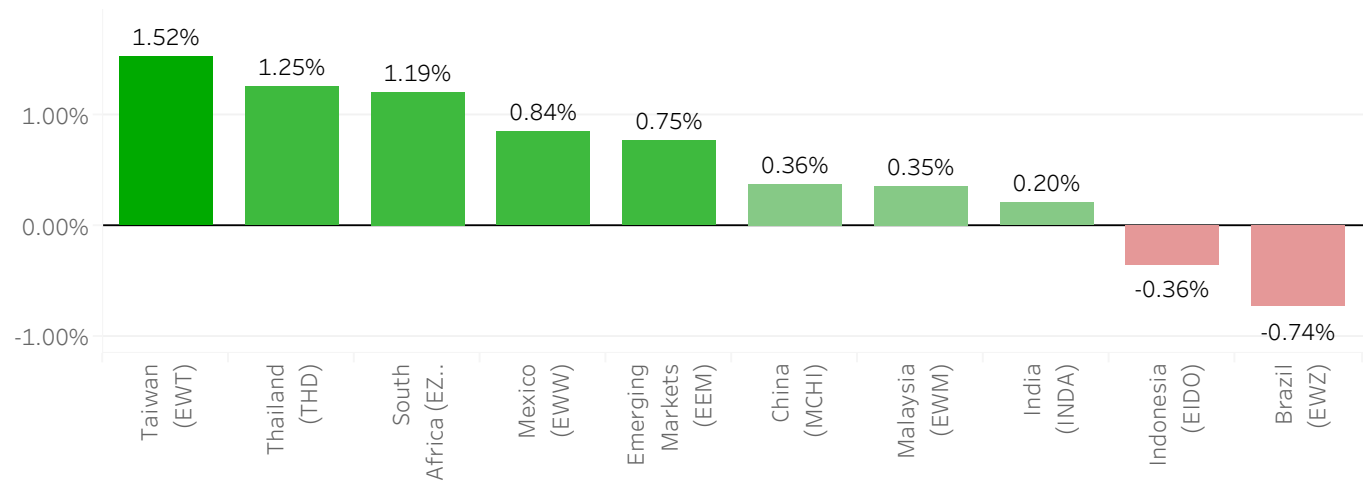
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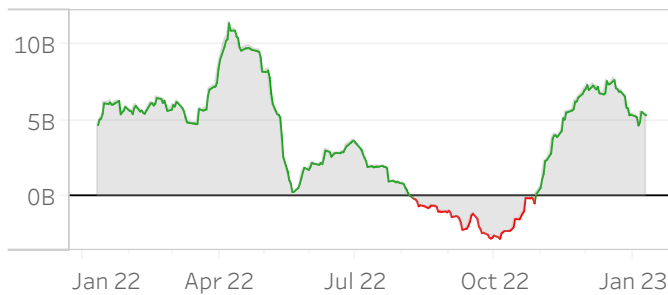
Emerging (EEM)



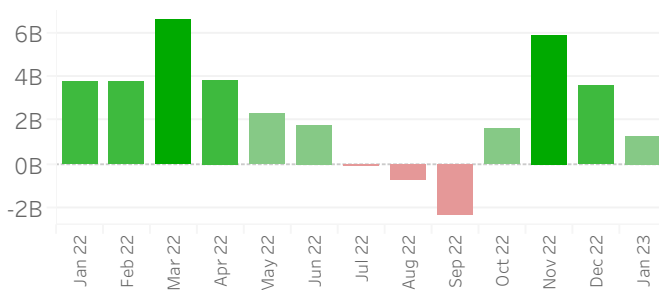
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FLTW	Franklin FTSE Taiwan ETF	1.75%
EEMA	iShares MSCI Emerging Markets Asia ETF	1.57%
EWT	iShares MSCI Taiwan ETF	1.52%
EPHE	iShares MSCI Philippines ETF	1.49%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	1.30%
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity ETF	1.28%
THD	iShares MSCI Thailand ETF	1.25%
FRDM	Freedom 100 Emerging Markets ETF	1.23%
EZA	iShares MSCI South Africa ETF	1.19%
ECNS	iShares MSCI China Small-Cap ETF	1.18%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	72.60
THD	iShares MSCI Thailand ETF	71.47
ECNS	iShares MSCI China Small-Cap ETF	70.53
EPOL	iShares MSCI Poland ETF	70.36
MCHI	iShares MSCI China ETF	70.35
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	70.32
EEMA	iShares MSCI Emerging Markets Asia ETF	70.24
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ..	70.17
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	70.05
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	69.75

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	-4.26%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.17%
FLBR	Franklin FTSE Brazil ETF	-0.98%
EWZ	iShares MSCI Brazil ETF	-0.74%
SMIN	iShares MSCI India Small Cap ETF	-0.59%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.47%
EIDO	iShares MSCI Indonesia ETF	-0.36%
EYLD	Cambria Emerging Shareholder Yield ETF	-0.31%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	-0.26%
INDY	iShares India 50 ETF	-0.16%

Emerging Most Oversold

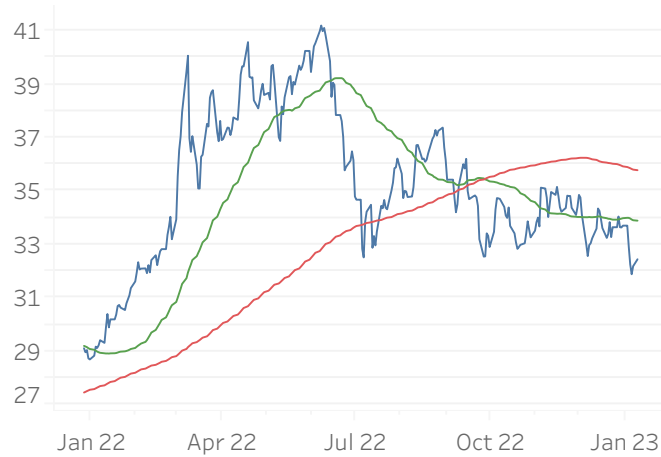
Ticker	Fund	Value
PIN	Invesco India ETF	33.18
EIDO	iShares MSCI Indonesia ETF	39.32
INDY	iShares India 50 ETF	45.06
TUR	iShares MSCI Turkey ETF	46.93
NFTY	First Trust India NIFTY 50 Equal Weight ETF	47.86
FLIN	Franklin FTSE India ETF	48.18
FLBR	Franklin FTSE Brazil ETF	48.24
SMIN	iShares MSCI India Small Cap ETF	48.69
EWZ	iShares MSCI Brazil ETF	48.91
INDA	iShares MSCI India ETF	49.33

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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	0.25%	0.78%	2.42%
SHY	1-3 Year Treasury Bonds	0.10%	0.57%	0.53%
IEF	7-10 Year Treasury Bonds	0.25%	0.99%	2.98%
TLT	20+ Year Treasury Bonds	0.53%	-0.32%	6.21%
TIP	TIPS Bonds	0.23%	0.06%	1.61%
FLOT	Floating Rate Bonds	-0.04%	0.74%	0.18%
LQD	Investment Grade Corporate	0.40%	0.46%	3.41%
HYG	High Yield Corporate	0.36%	1.55%	2.95%
BKLN	Senior Loan	0.33%	2.07%	2.39%
PFF	Preferred & Income Securities	0.09%	2.92%	4.65%
MUB	Municipal Bonds	0.23%	0.80%	1.28%
MBB	MBS	0.30%	1.28%	2.54%
EMB	Dollar Denominated EM Bonds	-0.20%	0.93%	2.33%
LEMB	Local Currency EM Bond	0.20%	2.52%	1.87%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.81%	-2.35%	-3.74%
DBE	Energy	1.86%	0.59%	-5.60%
USO	WTI Crude Oil	1.62%	4.82%	-6.03%
BNO	Brent Crude Oil	1.63%	3.92%	-7.21%
UNG	Natural Gas	4.54%	-35.46%	-11.84%
UGA	Gasoline	1.99%	11.03%	-7.44%
DBP	Precious Metals	0.04%	3.45%	1.69%
GLD	Gold	0.22%	4.21%	2.63%
SLV	Silver	-0.82%	0.83%	-1.27%
PPLT	abrdn Physical Platin..	-1.03%	5.52%	0.78%
PALL	abrdn Physical Palla..	-1.50%	-9.00%	-0.48%
DBB	Base Metals	3.80%	0.80%	5.24%
CPER	Copper	2.10%	4.56%	5.20%
LD	Lead	-0.20%	3.00%	-3.24%
JJN	Nickel	-4.97%	-4.47%	-8.62%
JJU	Aluminum	5.14%	-1.90%	1.13%
JJT	Tin	2.20%	7.13%	2.75%
DBA	Agriculture	0.36%	0.85%	-2.58%
CORN	Corn	-0.04%	0.70%	-3.75%
SOYB	Soybeans	0.00%	0.14%	-1.89%
WEAT	Wheat	0.13%	1.07%	-5.64%
CANE	Sugar	0.55%	-1.71%	-3.25%
BAL	Cotton	0.71%	6.75%	3.51%
NIB	Cocoa	3.49%	8.48%	4.17%
JO	Coffee	-1.40%	-0.77%	-6.60%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.61%	-1.36%	-0.29%
UDN	Short Dollar	0.87%	1.90%	0.43%
FXE	Euro	0.82%	1.98%	0.28%
FXB	British Pound Sterling	0.70%	-0.46%	0.96%
FXF	Swiss Franc	0.76%	1.47%	0.35%
FXJ	Japanese Yen	0.27%	3.76%	-0.37%
FXC	Canadian Dollar	0.44%	2.21%	1.20%
FXA	Australian Dollar	0.35%	1.81%	1.52%

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