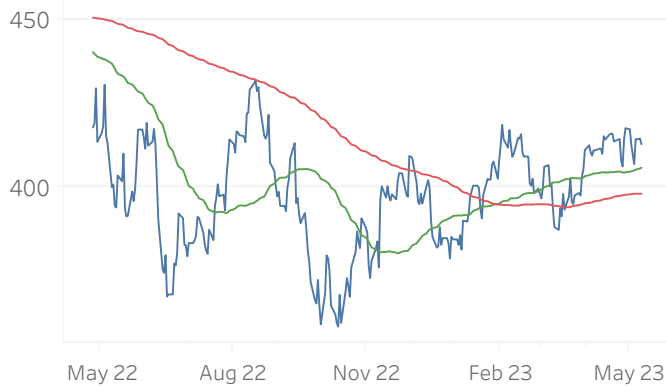


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

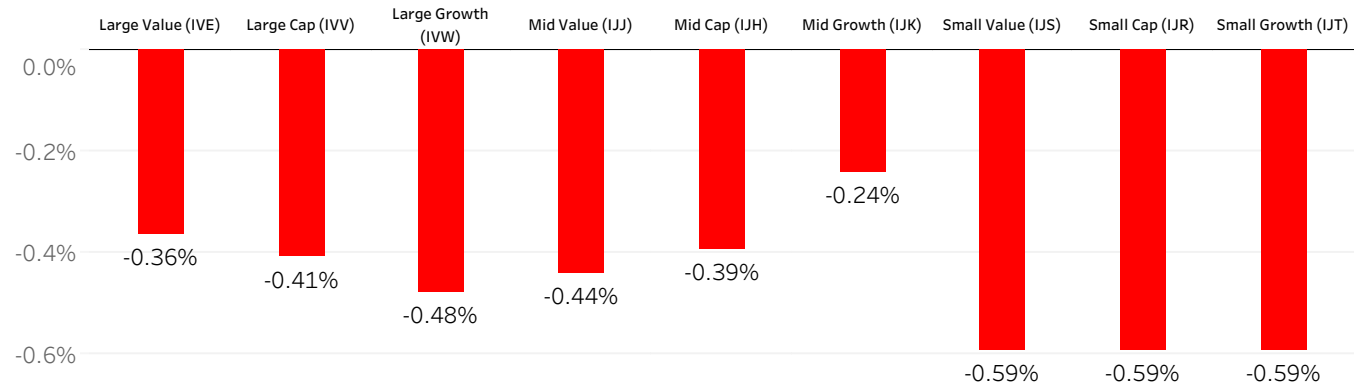


Small Cap Blend (S&P 600) IJR



■ 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	Performance
IPO	Renaissance IPO ETF	1.16%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	1.07%
DWAS	Invesco DWA SmallCap Momentum ETF	0.47%
QMOM	Momentumshares US Quantitative Momentum ETF	0.35%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	0.22%
IWC	iShares Micro-Cap ETF	0.22%
CWS	AdvisorShares Focused Equity ETF	0.19%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.14%
TMFS	Motley Fool Small-Cap Growth ETF	0.13%
NUSC	Nuveen ESG Small-Cap ETF	0.12%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	64.90
WINN	Harbor Long-Term Growers ETF	62.12
IPO	Renaissance IPO ETF	61.48
MGK	Vanguard Mega Cap Growth ETF	60.03
TMFC	Motley Fool 100 Index ETF	59.62
IWY	iShares Russell Top 200 Growth ETF	59.01
SCHG	Schwab U.S. Large-Cap Growth ETF	58.55
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	58.27
VUG	Vanguard Growth ETF	58.07
XLG	Invesco S&P 500 Top 50 ETF	58.02

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	-1.13%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-0.99%
QQQN	VictoryShares Nasdaq Next 50 ETF	-0.85%
SPHB	Invesco S&P 500 High Beta ETF	-0.84%
QQH	HCM Defender 100 Index ETF	-0.83%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.81%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-0.80%
CZA	Invesco Zacks Mid-Cap ETF	-0.76%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-0.76%
FYT	First Trust Small Cap Value AlphaDEX Fund	-0.75%

Size & Style Most Oversold

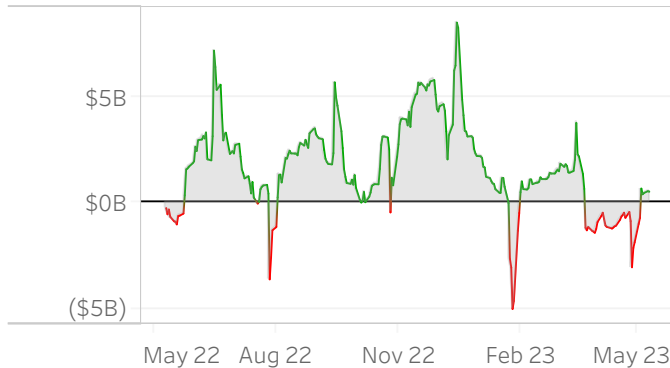
Ticker	Fund	Price
XSLV	Invesco S&P SmallCap Low Volatility ETF	32.98
FCTR	First Trust Lunt U.S. Factor Rotation ETF	34.63
DIV	Global X SuperDividend US ETF	35.45
SIXS	ETC 6 Meridian Small Cap Equity ETF	35.53
RDIV	Invesco S&P Ultra Dividend Revenue ETF	36.53
SVAL	iShares US Small Cap Value Factor ETF	36.70
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	37.39
DHS	WisdomTree U.S. High Dividend Fund	37.56
SMDV	ProShares Russell 2000 Dividend Growers ETF	37.70
CSB	VictoryShares US Small Cap High Dividend Volatility ..	37.76

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

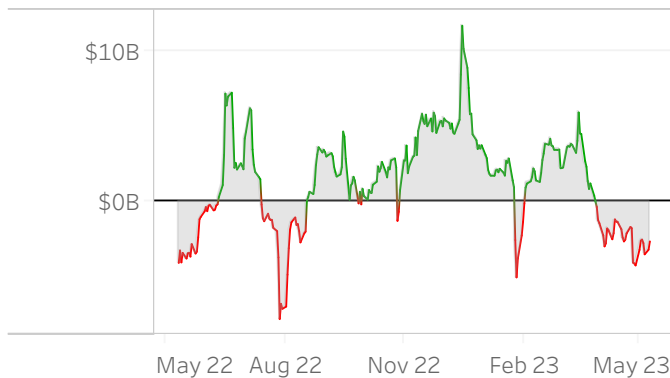
Large-Cap 30-Day Rolling Flows



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	\$1,296B	\$5.14B	\$7.01B	(\$2.11B)	\$62.55B
Large Cap, Beta, Beta: Growth	10	\$248B	(\$0.44B)	\$2.89B	\$6.89B	\$21.04B
Large Cap, Beta, Beta: Value	11	\$218B	(\$0.07B)	(\$4.58B)	(\$5.35B)	\$2.45B
Mid Cap, Beta, Beta	10	\$180B	(\$0.24B)	(\$0.29B)	\$3.29B	\$9.60B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.00B	\$0.36B	(\$0.01B)	\$1.32B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.08B)	(\$0.93B)	(\$0.42B)	\$1.12B
Small Cap, Beta, Beta	13	\$182B	(\$1.58B)	(\$3.30B)	\$0.19B	\$1.46B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.05B)	(\$0.22B)	\$0.17B	\$1.16B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.04B)	(\$1.02B)	(\$0.09B)	(\$0.01B)

U.S. Size & Style Flow Leaders

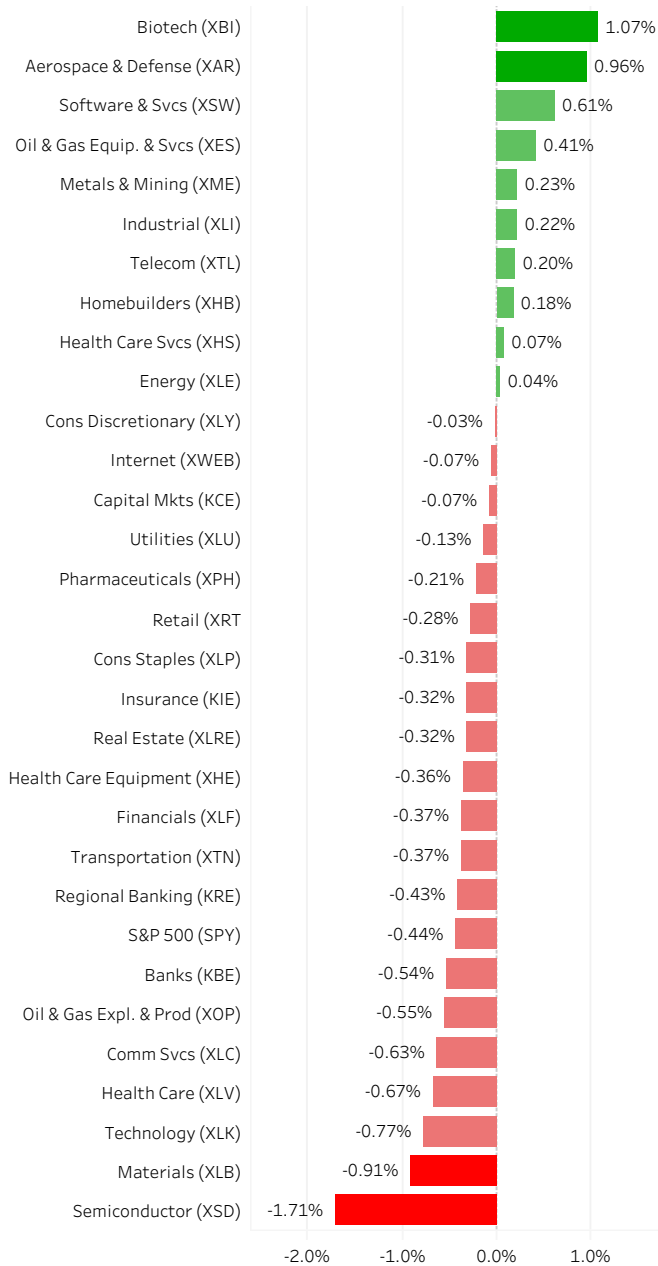
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$5.89B	(\$0.93B)	(\$4.17B)	\$4.38B	\$380.62B
VOO	Vanguard S&P 500 ETF	\$0.18B	\$7.57B	\$6.49B	\$32.54B	\$291.53B
VTI	Vanguard Total Stock Market ETF	\$0.16B	\$2.05B	\$6.97B	\$19.25B	\$283.96B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.15B	\$8.86B	\$8.56B	\$6.57B	\$28.38B
AVUV	Avantis U.S. Small Cap Value ETF	\$0.14B	\$0.51B	\$1.44B	\$2.76B	\$5.40B
QQQM	Invesco NASDAQ 100 ETF	\$0.11B	\$1.60B	\$3.07B	\$4.76B	\$9.44B
QQEW	First Trust Nasdaq-100 Equal Weighted Index..	\$0.09B	\$0.23B	\$0.31B	\$0.46B	\$1.58B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$0.08B	\$1.06B	\$1.21B	\$1.44B	\$3.59B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.08B	\$1.26B	\$2.60B	\$4.29B	\$18.69B
SCHD	Schwab US Dividend Equity ETF	\$0.07B	\$1.97B	\$6.85B	\$14.15B	\$45.52B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.33B)	(\$3.39B)	(\$3.35B)	(\$3.60B)	\$47.38B
QQQ	Invesco QQQ Trust	(\$0.70B)	\$1.36B	(\$4.31B)	(\$3.20B)	\$174.64B
VUG	Vanguard Growth ETF	(\$0.52B)	\$0.37B	\$2.62B	\$7.72B	\$82.32B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.36B)	(\$1.83B)	\$0.76B	\$2.19B	\$32.84B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.21B)	(\$0.81B)	(\$0.52B)	\$1.60B	\$30.81B
VXF	Vanguard Extended Market ETF	(\$0.19B)	\$0.33B	\$0.52B	\$0.95B	\$13.81B
IJR	iShares Core S&P Small Cap ETF	(\$0.18B)	(\$0.32B)	\$0.85B	\$2.57B	\$63.80B
IVV	iShares Core S&P 500 ETF	(\$0.14B)	(\$2.07B)	(\$3.71B)	\$15.97B	\$309.51B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.14B)	(\$0.12B)	\$0.16B	\$0.07B	\$18.36B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.13B)	(\$2.28B)	(\$2.56B)	(\$0.83B)	\$9.35B

\* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-1.02%	15.35%	2.97%	4.33%	57.32
XLK	Technology Select Sector SPDR Fund	-1.03%	28.69%	2.92%	10.67%	55.29
XLC	Communication Services Select Sector SPDR Fund	-3.92%	28.94%	2.99%	10.18%	53.20
XLI	Industrial Select Sector SPDR Fund	-4.15%	19.95%	-0.13%	2.24%	49.55
SPY	SPDR S&P 500 ETF Trust	-4.37%	15.25%	1.71%	3.76%	52.39
XLV	Health Care Select Sector SPDR Fund	-5.49%	10.44%	1.50%	0.95%	48.87
XLB	Materials Select Sector SPDR Fund	-10.71%	16.87%	-1.21%	0.36%	43.90
XLU	Utilities Select Sector SPDR Fund	-12.02%	11.72%	1.63%	-1.21%	50.84
XLF	Financial Select Sector SPDR Fund	-12.81%	6.50%	-1.13%	-4.80%	46.20
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.64%	16.94%	2.03%	1.14%	54.75
XLE	Energy Select Sector SPDR Fund	-14.69%	18.92%	-3.39%	-4.68%	40.39
XLRE	Real Estate Select Sector SPDR Fund	-18.98%	9.74%	0.33%	-3.74%	49.75

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
ITA	iShares U.S. Aerospace & Defense ETF	1.16%
XBI	SPDR S&P BIOTECH ETF	1.07%
XAR	SPDR S&P Aerospace & Defense ETF	0.96%
AIRR	First Trust RBA American Industrial Renaissance E..	0.91%
PTH	Invesco DWA Healthcare Momentum ETF	0.82%
PPA	Invesco Aerospace & Defense ETF	0.82%
AMZA	InfraCap MLP ETF	0.81%
IGN	iShares North American Tech-Multimedia Network..	0.77%
AMLP	Alerian MLP ETF	0.68%
ENFR	Alerian Energy Infrastructure ETF	0.62%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	65.17
PKB	Invesco Dynamic Building & Construction ETF	64.88
PTH	Invesco DWA Healthcare Momentum ETF	64.04
XBI	SPDR S&P BIOTECH ETF	63.96
XHB	SPDR S&P Homebuilders ETF	63.10
NURE	Nuveen Short-Term REIT ETF	59.72
IYK	iShares U.S. Consumer Staples ETF	57.75
PNQI	Invesco NASDAQ Internet ETF	57.54
REZ	iShares Residential and Multisector Real Estate ETF	57.50
PBJ	Invesco Dynamic Food & Beverage ETF	57.49

## Sector & Industry 1 Day Performance Laggards

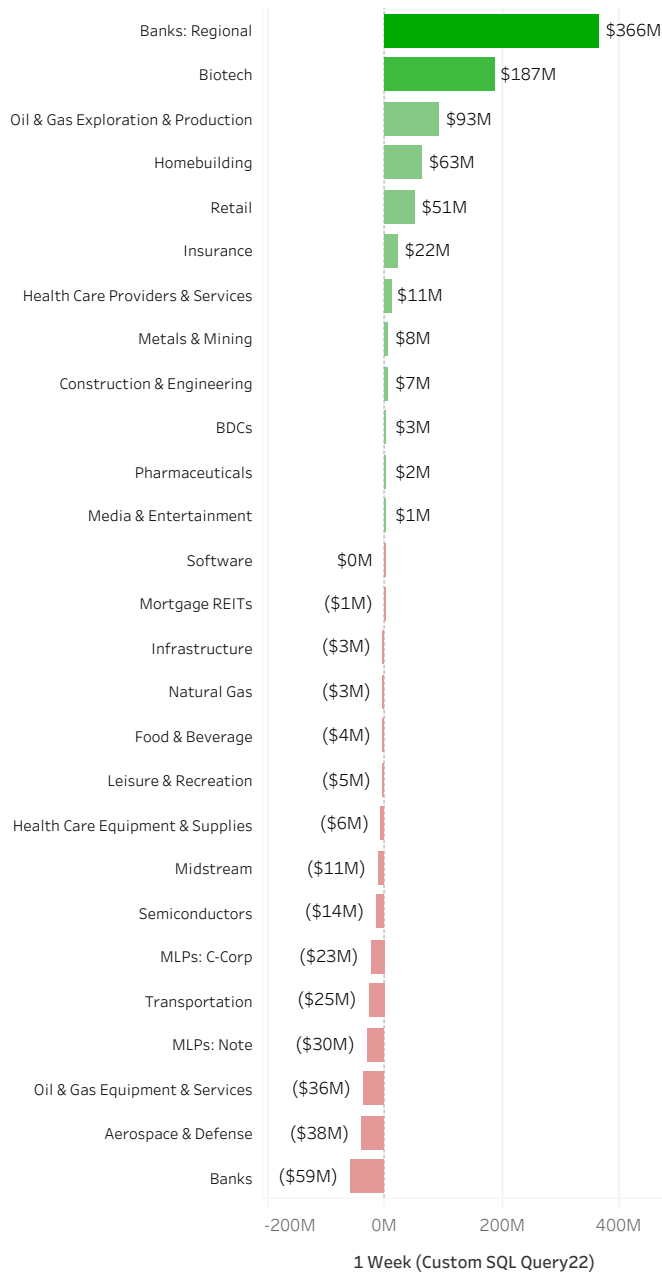
Ticker	Fund	1 Day Performance
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.94%
SOXQ	Invesco PHLX Semiconductor ETF	-1.77%
XSD	SPDR S&P Semiconductor ETF	-1.71%
SOXX	iShares Semiconductor ETF	-1.70%
FTXL	First Trust Nasdaq Semiconductor ETF	-1.64%
PSI	Invesco Dynamic Semiconductors ETF	-1.61%
REM	iShares Mortgage Real Estate ETF	-1.28%
INDS	Pacer Industrial Real Estate ETF	-1.24%
MORT	VanEck Mortgage REIT Income ETF	-1.14%
IYZ	iShares U.S. Telecommunications ETF	-1.11%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XTL	SPDR S&P Telecom ETF	28.98
QABA	First Trust NASDAQ ABA Community Bank Index Fund	30.24
XSD	SPDR S&P Semiconductor ETF	33.79
KBWR	Invesco KBW Regional Banking ETF	33.95
KRE	SPDR S&P Regional Banking ETF	34.30
MLPA	Global X MLP ETF	35.22
IGN	iShares North American Tech-Multimedia Networking ETF	35.56
IAT	iShares U.S. Regional Banks ETF	36.26
KBE	SPDR S&P Bank ETF	36.28
KBWB	Invesco KBW Bank ETF	36.68

\* 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	\$15B	\$104M	\$1,394M	\$1,220M	\$1,049M
Consumer Discretionary	12	\$23B	\$15M	\$557M	\$191M	(\$1,610M)
Consumer Staples	10	\$32B	(\$27M)	\$1,758M	\$2,332M	\$3,970M
Energy	32	\$68B	(\$312M)	(\$4,231M)	(\$7,706M)	(\$9,907M)
Financials	26	\$52B	(\$1,224M)	(\$938M)	(\$589M)	(\$6,219M)
Health Care	23	\$93B	\$294M	(\$2,355M)	(\$2,409M)	\$2,257M
Industrial	13	\$31B	(\$244M)	(\$59M)	\$1,180M	(\$753M)
Materials	9	\$14B	(\$164M)	(\$374M)	\$580M	(\$2,877M)
Multi-Sector	19	\$14B	\$18M	\$396M	(\$87M)	(\$1,815M)
Real Estate	25	\$55B	(\$339M)	(\$3,005M)	(\$3,309M)	(\$6,123M)
Technology	23	\$132B	\$208M	\$63M	(\$56M)	\$509M
Utilities	9	\$26B	(\$10M)	\$183M	\$69M	\$1,782M

## U.S. Sector & Industry Flow Leaders

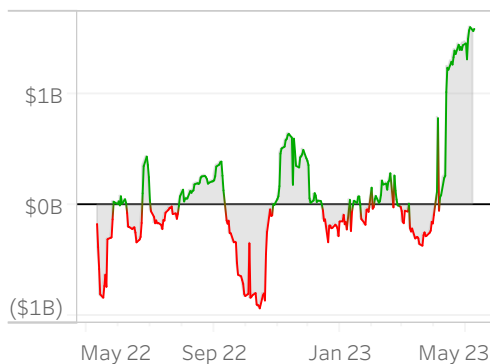
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KRE	SPDR S&P Regional Banking ETF	\$328M	\$1,641M	\$856M	\$305M	\$2,853M
XLV	Health Care Select Sector SPDR Fund	\$221M	(\$115M)	(\$1M)	\$2,957M	\$40,556M
XBI	SPDR S&P BIOTECH ETF	\$182M	(\$1,155M)	(\$760M)	\$157M	\$6,776M
XLK	Technology Select Sector SPDR Fund	\$163M	(\$1,332M)	(\$1,801M)	(\$1,397M)	\$43,599M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$106M	(\$23M)	(\$949M)	(\$1,361M)	\$3,336M
XLC	Communication Services Select Sector SPDR Fu..	\$94M	\$1,348M	\$1,210M	\$1,351M	\$11,260M
XRT	SPDR S&P Retail ETF	\$51M	(\$72M)	(\$33M)	(\$162M)	\$338M
ITB	iShares U.S. Home Construction ETF	\$49M	\$245M	\$319M	\$27M	\$1,902M
VGT	Vanguard Information Technology ETF	\$49M	(\$565M)	(\$677M)	(\$691M)	\$46,387M
IAT	iShares U.S. Regional Banks ETF	\$41M	\$250M	\$189M	\$33M	\$667M

## U.S. Sector & Industry Flow Laggards

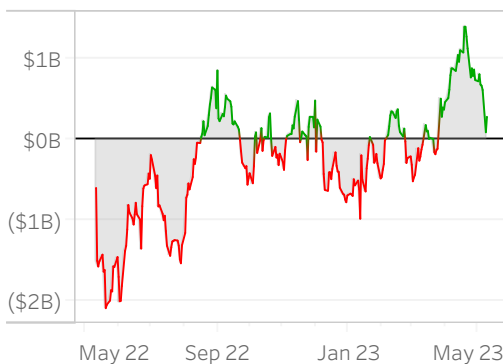
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,402M)	(\$505M)	\$4M	(\$3,066M)	\$29,664M
XLE	Energy Select Sector SPDR Fund	(\$237M)	(\$1,260M)	(\$2,553M)	(\$2,711M)	\$35,735M
XLI	Industrial Select Sector SPDR Fund	(\$144M)	(\$725M)	(\$468M)	(\$1,285M)	\$13,027M
IYR	iShares U.S. Real Estate ETF	(\$141M)	(\$644M)	(\$622M)	(\$1,358M)	\$2,738M
VHT	Vanguard Health Care ETF	(\$129M)	(\$66M)	(\$81M)	\$161M	\$17,126M
VFH	Vanguard Financials ETF	(\$97M)	(\$574M)	(\$676M)	(\$1,540M)	\$7,428M
IYM	iShares U.S. Basic Materials ETF	(\$83M)	\$50M	(\$26M)	(\$177M)	\$820M
XLRE	Real Estate Select Sector SPDR Fund	(\$73M)	(\$615M)	(\$517M)	(\$273M)	\$4,379M
VNQ	Vanguard Real Estate ETF	(\$65M)	(\$1,092M)	(\$1,511M)	(\$3,604M)	\$32,204M
KBE	SPDR S&P Bank ETF	(\$64M)	(\$60M)	(\$469M)	(\$788M)	\$1,160M

\* 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



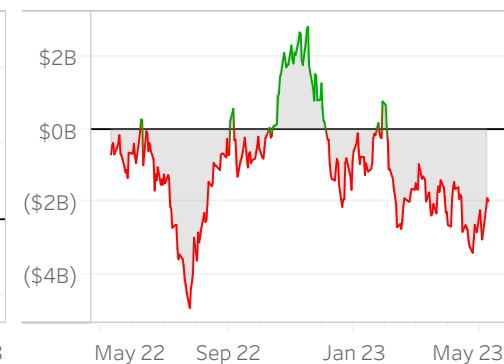
Consumer Discretionary



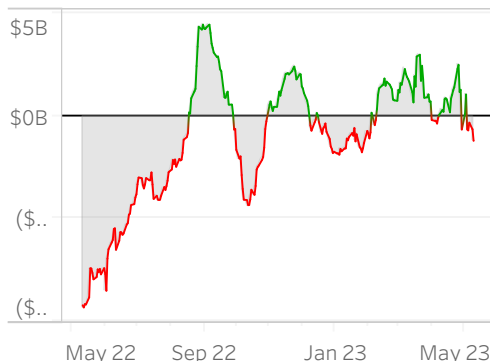
Consumer Staples



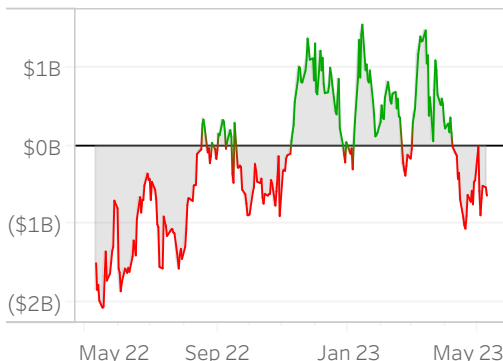
Energy



Financials



Industrial



Health Care



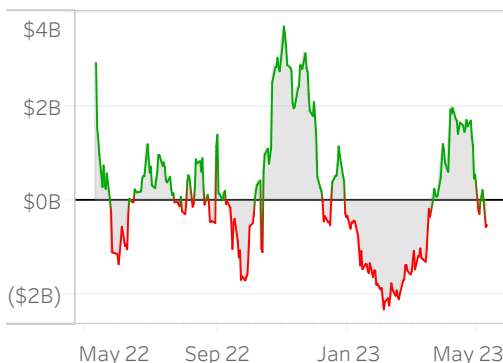
Materials



Real Estate



Technology



Utilities

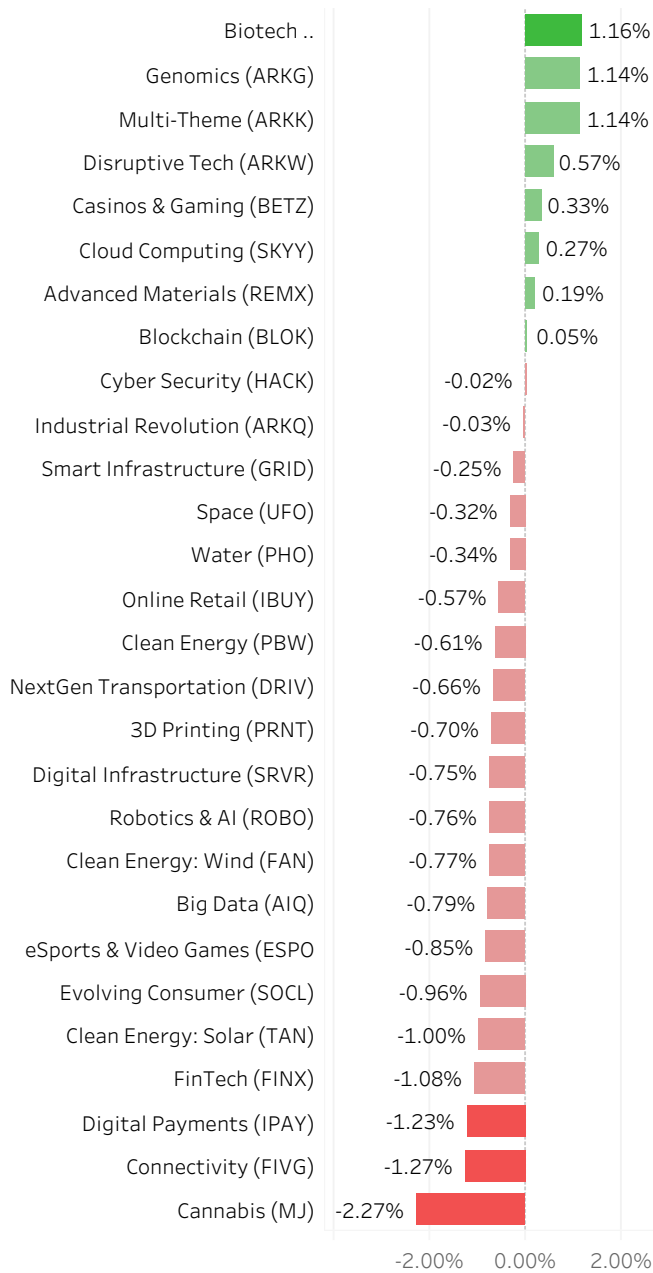


Multi-Sector

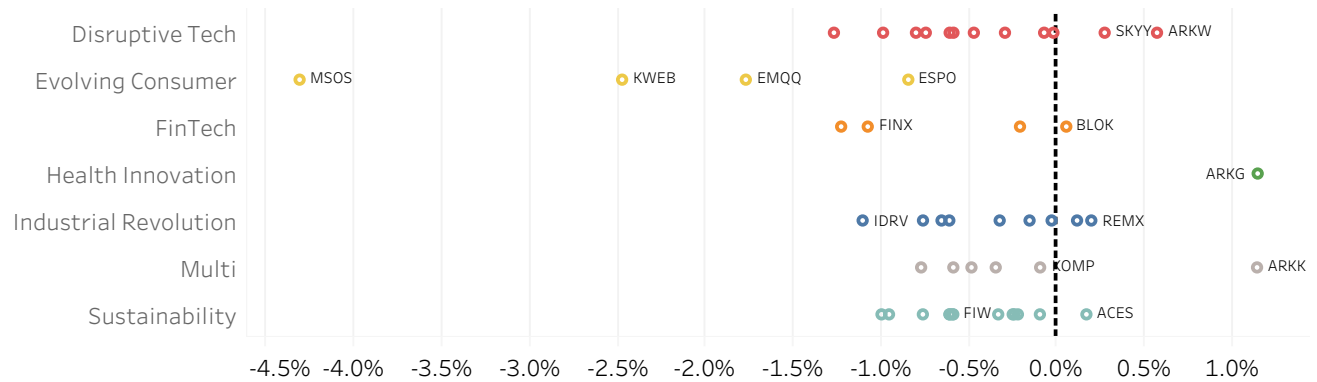


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	1.44%
BKCH	Global X Blockchain ETF	1.35%
SBIO	ALPS Medical Breakthroughs ETF	1.16%
ARKG	ARK Genomic Revolution ETF	1.14%
ARKK	ARK Innovation ETF	1.14%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	0.92%
BTEC	Principal Healthcare Innovators ETF	0.77%
EVX	VanEck Environmental Services ETF	0.62%
ARKW	ARK Next Generation Internet ETF	0.57%
BETZ	Roundhill Sports Betting & iGaming ETF	0.33%

Thematic Most Overbought

Ticker	Fund	Price
SBIO	ALPS Medical Breakthroughs ETF	70.48
BTEC	Principal Healthcare Innovators ETF	64.39
EVX	VanEck Environmental Services ETF	63.02
BETZ	Roundhill Sports Betting & iGaming ETF	62.64
TIME	Clockwise Capital Innovation ETF	60.49
ARKF	ARK Fintech Innovation ETF	60.14
REMX	VanEck Rare Earth/Strategic Metals ETF	59.64
AGNG	Global X Aging Population ETF	59.44
IDNA	iShares Genomics Immunology and Healthcare ETF	59.40
CGW	Invesco S&P Global Water Index ETF	59.33

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-4.31%
KWEB	KraneShares CSI China Internet ETF	-2.48%
MJ	ETFMG Alternative Harvest ETF	-2.27%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.77%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-1.63%
PBD	Invesco Global Clean Energy ETF	-1.43%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.27%
FIVG	Defiance Next Gen Connectivity ETF	-1.27%
IPAY	ETFMG Prime Mobile Payments ETF	-1.23%
CTEC	Global X CleanTech ETF	-1.18%

Thematic Most Oversold

Ticker	Fund	Price
TAN	Invesco Solar ETF	36.92
KWEB	KraneShares CSI China Internet ETF	37.50
ICLN	iShares Global Clean Energy ETF	40.08
CTEC	Global X CleanTech ETF	40.49
FIVG	Defiance Next Gen Connectivity ETF	40.54
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	42.10
PRNT	3D Printing ETF	42.35
SNSR	Global X Internet of Things ETF	42.48
EDOC	Global X Telemedicine & Digital Health ETF Registered	42.78
CNRG	SPDR S&P Kensho Clean Power ETF	42.82

\* 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	
ARKK	ARK Innovation ETF	\$52M
BUG	Global X Cybersecurity ETF	\$38M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$9M
FIW	First Trust Water ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$7M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$6M
AIQ	Global X Artificial Intelligence & Technology ETF	\$6M
TARK	AXS 2X Innovation ETF	\$4M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
WCLD	WisdomTree Cloud Computing Fund	\$3M

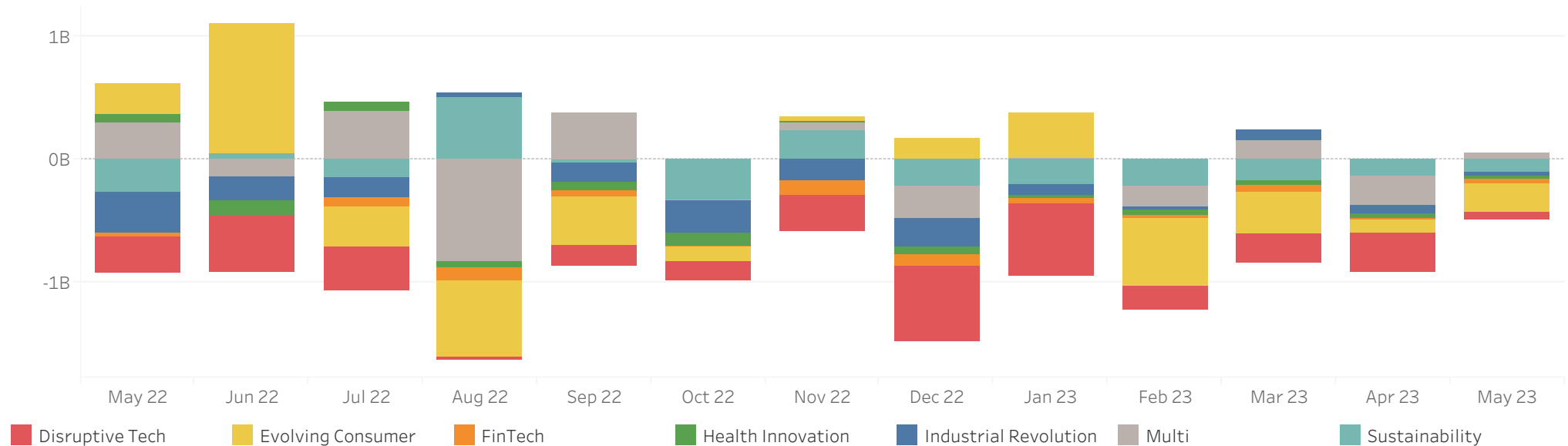
## Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$177M)
ICLN	iShares Global Clean Energy ETF	(\$57M)
TAN	Invesco Solar ETF	(\$27M)
LIT	Global X Lithium & Battery Tech ETF	(\$23M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$21M)
SNSR	Global X Internet of Things ETF	(\$20M)
SKYY	First Trust Cloud Computing ETF	(\$12M)
ARKF	ARK Fintech Innovation ETF	(\$11M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$11M)
FINX	Global X FinTech ETF	(\$10M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$14B	(\$25M)	(\$738M)	(\$2,218M)	(\$3,754M)
Evolving Consumer	44	\$8B	(\$143M)	(\$1,140M)	(\$671M)	(\$821M)
FinTech	18	\$3B	(\$27M)	(\$151M)	(\$323M)	(\$655M)
Health Innovation	18	\$3B	(\$7M)	(\$147M)	(\$206M)	(\$435M)
Industrial Revolution	31	\$11B	(\$25M)	(\$46M)	(\$475M)	(\$1,606M)
Multi	41	\$14B	\$86M	(\$49M)	(\$379M)	(\$282M)
Sustainability	40	\$16B	(\$83M)	(\$484M)	(\$724M)	(\$1,022M)
Grand Total	226	\$69B	(\$226M)	(\$2,755M)	(\$4,995M)	(\$8,573M)

## Thematic Monthly Flows

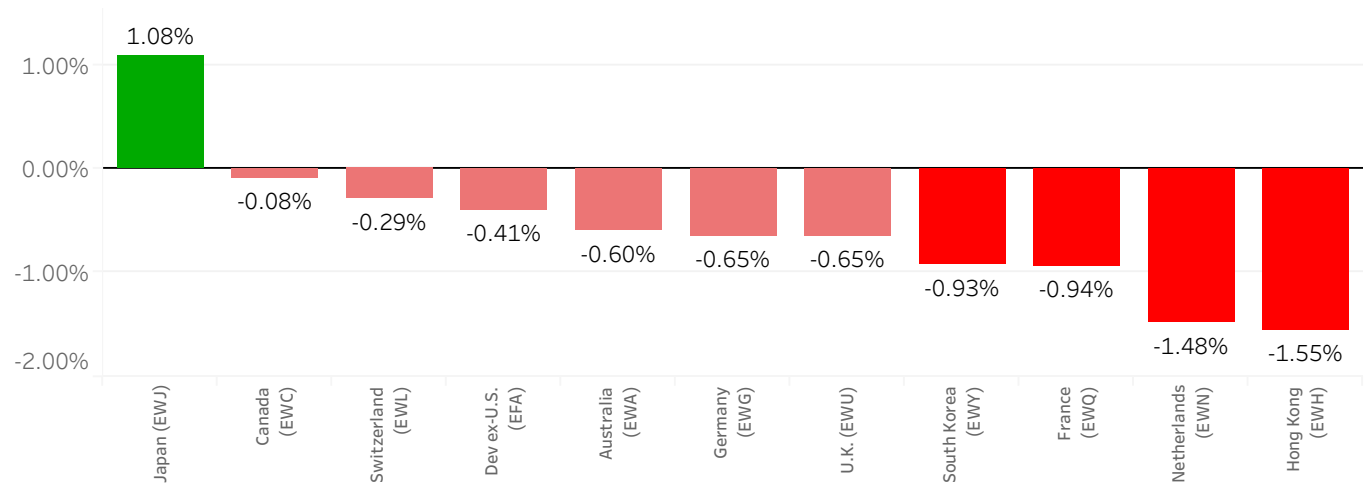


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



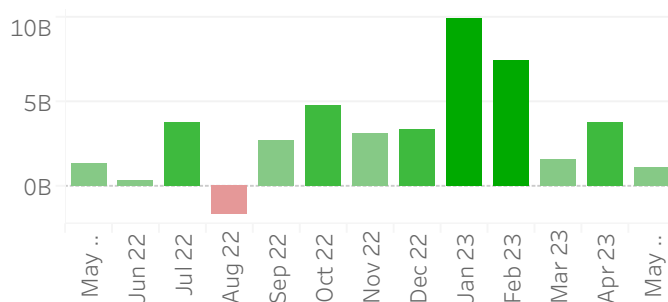
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	1.44%
EWJV	iShares MSCI Japan Value ETF	1.25%
DXJ	WisdomTree Japan Hedged Equity Fund	1.23%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.15%
JPXN	iShares JPX-Nikkei 400 ETF	1.10%
EWJ	iShares MSCI Japan ETF	1.08%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.01%
BBJP	JPMorgan BetaBuilders Japan ETF	0.96%
FLJP	Franklin FTSE Japan ETF	0.95%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.82%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWL	iShares MSCI Switzerland ETF	71.51
FLSW	Franklin FTSE Switzerland ETF	70.31
EFAV	iShares MSCI EAFE Min Vol Factor ETF	69.80
IDLV	Invesco S&P International Developed Low Volatility ETF	68.10
EWJV	iShares MSCI Japan Value ETF	66.71
HEWJ	iShares Currency Hedged MSCI Japan ETF	66.33
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	65.70
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	65.25
BBJP	JPMorgan BetaBuilders Japan ETF	65.08
DXJ	WisdomTree Japan Hedged Equity Fund	65.06

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-1.55%
MINV	Matthews Asia Innovators Active ETF	-1.51%
EWN	iShares MSCI Netherlands ETF	-1.48%
EIS	iShares MSCI Israel ETF	-1.47%
AIA	iShares Asia 50 ETF	-1.44%
EWD	iShares MSCI Sweden ETF	-1.37%
NORW	Global X MSCI Norway ETF	-1.26%
ISRA	VanEck Israel ETF	-1.25%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.12%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-1.10%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
MINV	Matthews Asia Innovators Active ETF	40.97
EWH	iShares MSCI Hong Kong ETF	41.87
AIA	iShares Asia 50 ETF	43.65
EIS	iShares MSCI Israel ETF	47.35
AAXJ	iShares MSCI All Country Asia ex Japan ETF	47.61
EWN	iShares MSCI Netherlands ETF	47.70
ISRA	VanEck Israel ETF	47.95
NORW	Global X MSCI Norway ETF	48.43
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	48.61
PIZ	Invesco DWA Developed Markets Momentum ETF	48.84

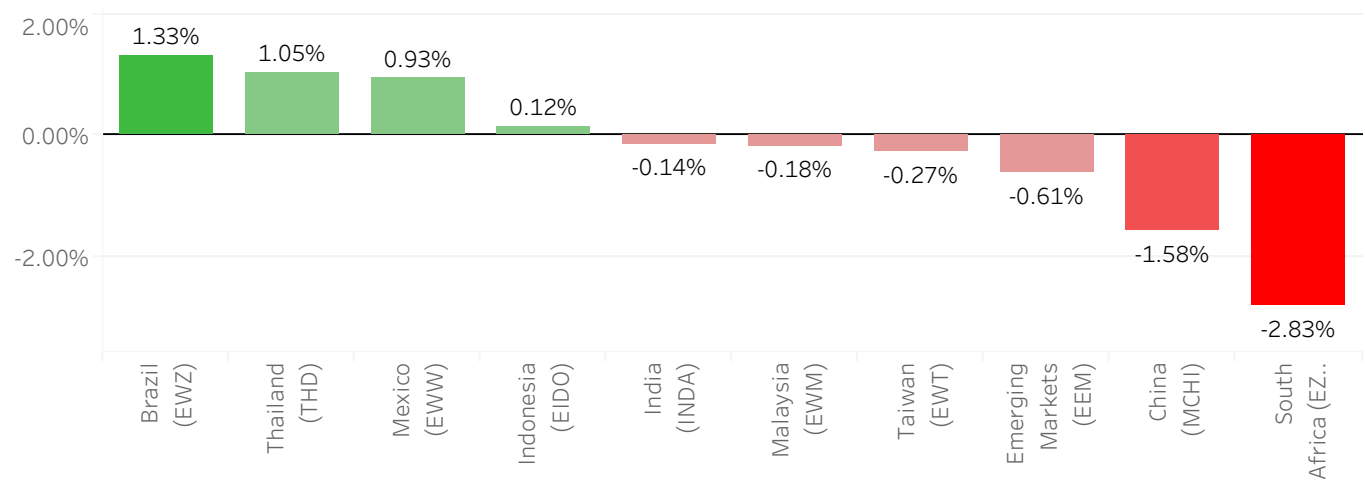
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



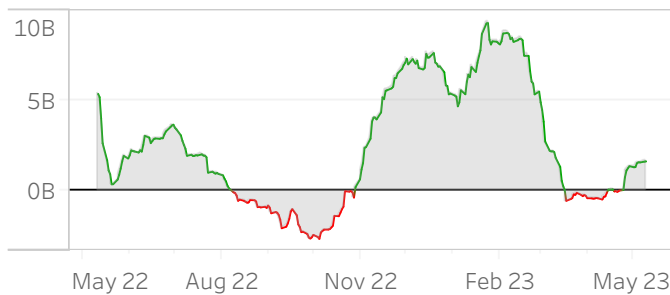
Emerging (EEM)



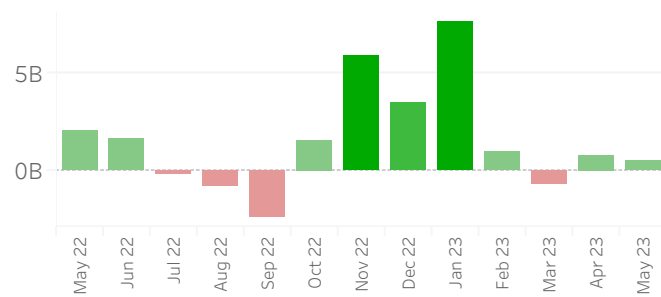
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWZ	iShares MSCI Brazil ETF	1.33%
FLBR	Franklin FTSE Brazil ETF	1.30%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.29%
ILF	iShares Latin America 40 ETF	1.16%
FLLA	Franklin FTSE Latin America ETF	1.14%
QAT	iShares MSCI Qatar ETF	1.09%
THD	iShares MSCI Thailand ETF	1.05%
EWW	iShares MSCI Mexico ETF	0.93%
FLN	First Trust Latin America AlphaDEX Fund	0.56%
TUR	iShares MSCI Turkey ETF	0.16%

Emerging Most Overbought

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	78.95
INDA	iShares MSCI India ETF	71.32
SMIN	iShares MSCI India Small Cap ETF	69.82
FLIN	Franklin FTSE India ETF	69.60
PIN	Invesco India ETF	68.94
GLIN	VanEck India Growth Leaders ETF	68.59
EELV	Invesco S&P Emerging Markets Low Volatility ETF	67.79
NFTY	First Trust India NIFTY 50 Equal Weight ETF	67.78
UEVM	VictoryShares Emerging Markets Value Momentum E..	67.37
EDIV	SPDR S&P Emerging Markets Dividend ETF	66.32

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EZA	iShares MSCI South Africa ETF	-2.83%
PGJ	Invesco Golden Dragon China ETF	-2.16%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.66%
MCHI	iShares MSCI China ETF	-1.58%
FXI	iShares China Large-Cap ETF	-1.56%
GXC	SPDR S&P China ETF	-1.51%
FLCH	Franklin FTSE China ETF	-1.48%
ECNS	iShares MSCI China Small-Cap ETF	-1.42%
EYLD	Cambria Emerging Shareholder Yield ETF	-1.20%
RAYC	Rayliant Quantamental China Equity ETF	-1.07%

Emerging Most Oversold

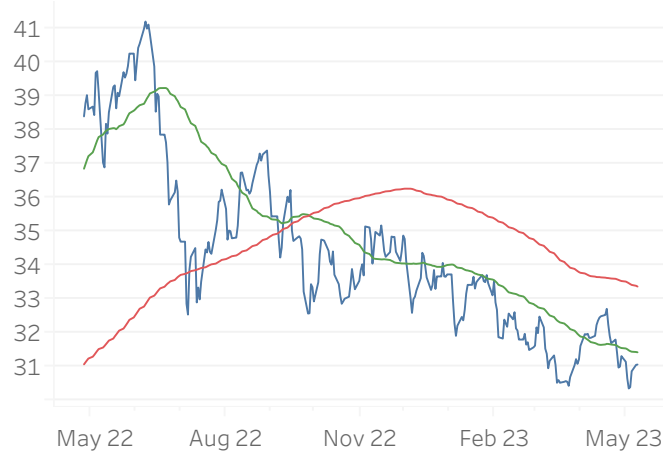
Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	37.60
PGJ	Invesco Golden Dragon China ETF	38.36
RAYC	Rayliant Quantamental China Equity ETF	38.68
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	39.66
ECNS	iShares MSCI China Small-Cap ETF	40.16
EZA	iShares MSCI South Africa ETF	40.70
GXC	SPDR S&P China ETF	43.85
KWT	iShares MSCI Kuwait ETF	44.14
MCHI	iShares MSCI China ETF	44.34
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	44.35

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

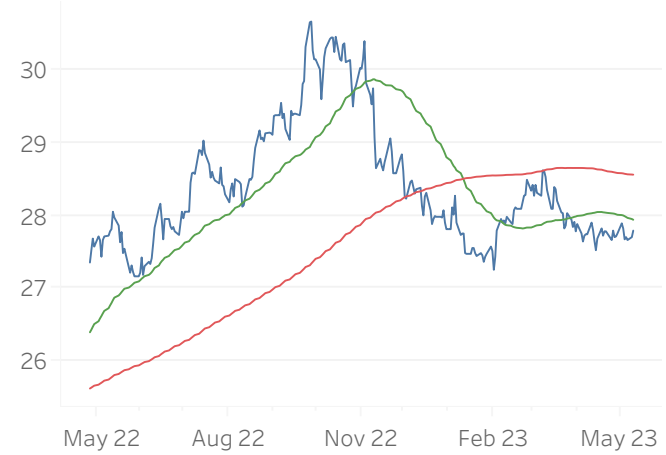
Fixed Income (AGG)



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%	-1.17%	3.10%
SHY	1-3 Year Treasury Bonds	-0.02%	-0.12%	1.95%
IEF	7-10 Year Treasury Bonds	-0.12%	-1.27%	4.21%
TLT	20+ Year Treasury Bonds	-0.36%	-4.80%	4.56%
TIP	TIPS Bonds	-0.15%	-1.23%	3.26%
FLOT	Floating Rate Bonds	0.14%	1.02%	2.06%
LQD	Investment Grade Corporate	-0.04%	-2.03%	3.52%
HYG	High Yield Corporate	-0.25%	-0.21%	3.01%
BKLN	Senior Loan	0.10%	0.59%	4.14%
PFF	Preferred & Income Securities	-0.27%	-3.88%	-0.44%
MUB	Municipal Bonds	-0.09%	-0.94%	2.36%
MBB	MBS	-0.18%	-1.12%	2.61%
EMB	Dollar Denominated EM Bonds	-0.05%	-0.85%	2.14%
LEMB	Local Currency EM Bond	0.00%	1.36%	5.24%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.03%	-2.48%	-7.92%
DBE	Energy	0.87%	-6.89%	-12.92%
USO	WTI Crude Oil	0.95%	-7.67%	-7.47%
BNO	Brent Crude Oil	0.74%	-8.40%	-8.24%
UNG	Natural Gas	1.53%	3.43%	-52.98%
UGA	Gasoline	1.09%	-9.85%	-4.45%
DBP	Precious Metals	0.48%	1.75%	10.14%
GLD	Gold	0.71%	1.36%	11.42%
SLV	Silver	-0.04%	2.58%	6.63%
PPLT	abrdn Physical Platin..	3.04%	9.36%	2.85%
PALL	abrdn Physical Palla..	0.78%	7.06%	-12.14%
DBB	Base Metals	-0.42%	-2.24%	-1.34%
CPER	Copper	-0.26%	-2.24%	4.07%
LD	Lead	1.38%	2.13%	-6.45%
JJN	Nickel	-5.66%	2.17%	-21.23%
JJU	Aluminum	-0.56%	-1.23%	-4.40%
JJT	Tin	-0.55%	6.92%	4.77%
DBA	Agriculture	0.24%	1.50%	4.02%
CORN	Corn	-1.82%	-6.39%	-14.00%
SOYB	Soybeans	-1.01%	-2.89%	-7.89%
WEAT	Wheat	-1.37%	-6.37%	-18.92%
CANE	Sugar	0.66%	13.18%	45.12%
BAL	Cotton	-2.77%	-2.46%	-2.07%
NIB	Cocoa	1.75%	7.83%	22.17%
JO	Coffee	1.24%	2.64%	14.46%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.32%	0.18%	-0.07%
UDN	Short Dollar	-0.11%	0.48%	2.65%
FXE	Euro	-0.37%	0.47%	2.78%
FXB	British Pound Sterling	0.04%	1.63%	5.37%
FXF	Swiss Franc	-0.01%	1.64%	3.73%
FXJ	Japanese Yen	-0.09%	-2.55%	-3.12%
FXC	Canadian Dollar	-0.10%	0.89%	1.81%
FXA	Australian Dollar	-0.29%	1.41%	-0.42%

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