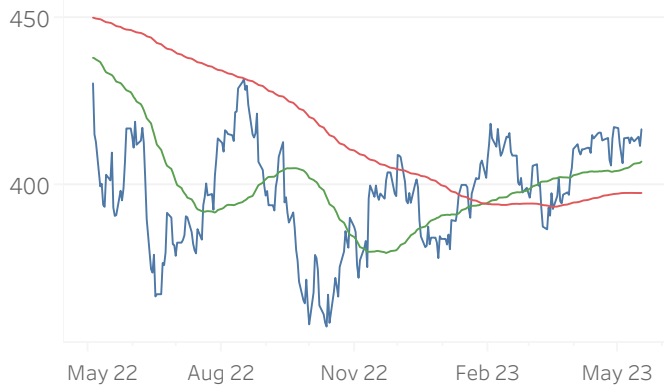


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

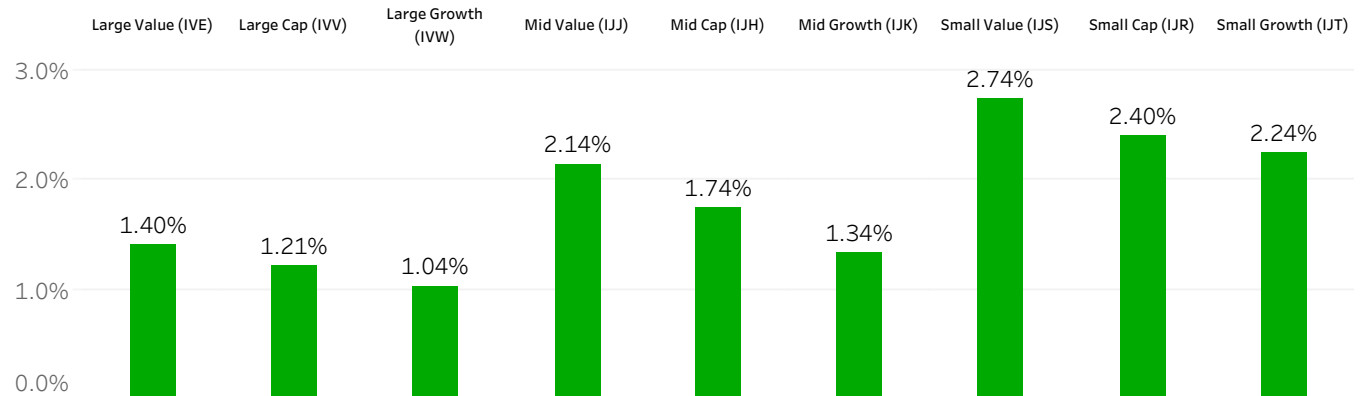


Small Cap Blend (S&P 600) IJR



■ 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
SVAL	iShares US Small Cap Value Factor ETF	3.72%
FDM	First Trust Dow Jones Select MicroCap Index Fund	3.57%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	3.01%
DFSV	Dimensional US Small Cap Value ETF	3.01%
AVUV	Avantis U.S. Small Cap Value ETF	2.99%
AVSC	Avantis U.S. Small Cap Equity ETF	2.96%
FYT	First Trust Small Cap Value AlphaDEX Fund	2.96%
BUZZ	VanEck Social Sentiment ETF	2.95%
XSLV	Invesco S&P SmallCap Low Volatility ETF	2.86%
IWN	iShares Russell 2000 Value ETF	2.82%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	71.19
PTNQ	Pacer Trendpilot 100 ETF	68.85
MGK	Vanguard Mega Cap Growth ETF	68.54
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	68.53
IWY	iShares Russell Top 200 Growth ETF	68.49
TMFC	Motley Fool 100 Index ETF	68.37
WINN	Harbor Long-Term Growers ETF	68.20
SCHG	Schwab U.S. Large-Cap Growth ETF	67.74
QQQ	Invesco QQQ Trust	67.56
QQQM	Invesco NASDAQ 100 ETF	67.37

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.10%
FFTY	Innovator IBD 50 ETF	0.10%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.14%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.15%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.17%
SPLV	Invesco S&P 500 Low Volatility ETF	0.19%
ABEQ	Absolute Select Value ETF	0.24%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.31%
USMV	iShares MSCI USA Min Vol Factor ETF	0.36%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.37%

Size & Style Most Oversold

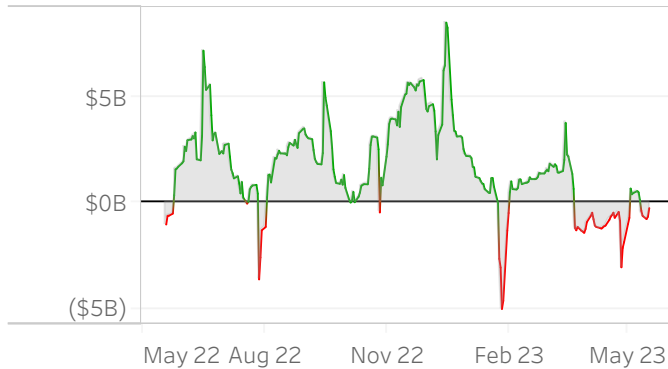
Ticker	Fund	Price
HDV	iShares Core High Dividend ETF	37.71
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	38.01
ALTL	Pacer Lunt Large Cap Alternator ETF	38.39
CDL	VictoryShares US Large Cap High Dividend Volatility ..	38.74
DVY	iShares Select Dividend ETF	38.81
DIVZ	TrueShares Low Volatility Equity Income ETF	39.04
SDOG	ALPS Sector Dividend Dogs ETF	39.07
DHS	WisdomTree U.S. High Dividend Fund	39.07
FDL	First Trust Morningstar Dividend Leaders Index Fund	39.20
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	39.28

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

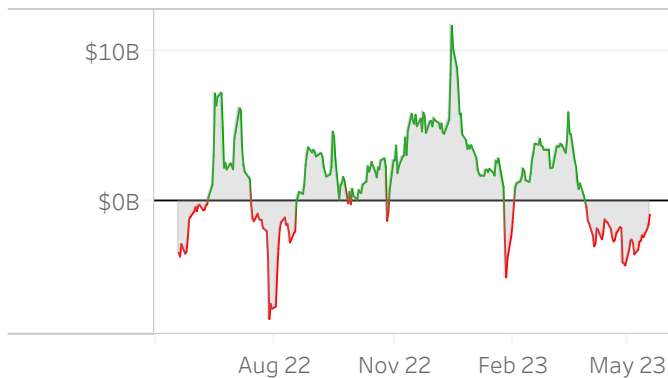
Large-Cap 30-Day Rolling Flows



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	\$1,289B	(\$3.22B)	\$7.44B	(\$15.11B)	\$62.40B
Large Cap, Beta, Beta: Growth	10	\$250B	\$0.03B	\$2.95B	\$5.14B	\$19.84B
Large Cap, Beta, Beta: Value	11	\$213B	(\$0.29B)	(\$5.59B)	(\$5.70B)	\$0.85B
Mid Cap, Beta, Beta	10	\$178B	\$0.36B	(\$0.24B)	\$2.62B	\$9.34B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.05B)	\$0.33B	(\$0.42B)	\$1.23B
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.08B)	(\$1.06B)	(\$0.84B)	\$1.13B
Small Cap, Beta, Beta	13	\$180B	\$0.02B	(\$3.92B)	(\$1.86B)	\$1.23B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.02B	(\$0.11B)	\$0.15B	\$1.00B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.06B)	(\$1.26B)	(\$0.39B)	\$0.65B

U.S. Size & Style Flow Leaders

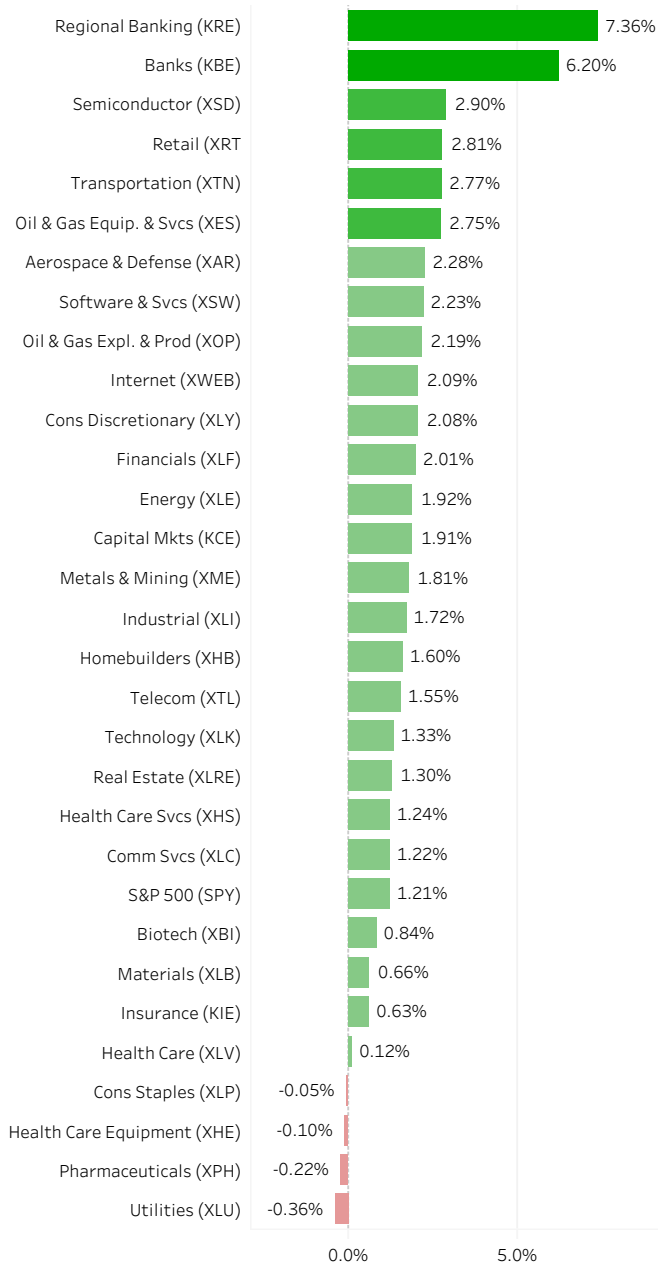
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VO	Vanguard Mid-Cap ETF	\$0.44B	(\$0.41B)	\$0.48B	\$2.36B	\$49.86B
VOO	Vanguard S&P 500 ETF	\$0.43B	\$6.98B	\$6.03B	\$32.48B	\$290.18B
IWM	iShares Russell 2000 ETF	\$0.28B	(\$3.19B)	(\$4.55B)	(\$3.92B)	\$47.35B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.19B	\$9.18B	\$8.81B	\$7.00B	\$28.57B
QQQM	Invesco NASDAQ 100 ETF	\$0.12B	\$1.67B	\$2.93B	\$5.04B	\$9.74B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.11B	\$0.99B	\$1.78B	\$2.55B	\$2.71B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.10B	\$0.48B	\$0.04B	\$0.94B	\$41.16B
VUG	Vanguard Growth ETF	\$0.07B	\$0.26B	\$2.10B	\$7.12B	\$82.81B
DFAT	Dimensional U.S. Targeted Value ETF	\$0.06B	\$0.14B	\$0.47B	\$0.85B	\$7.28B
SPHQ	Invesco S&P 500 Quality ETF	\$0.06B	\$0.44B	\$0.98B	\$1.06B	\$4.82B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$2.10B)	\$0.15B	(\$8.03B)	(\$2.68B)	\$174.95B
IVV	iShares Core S&P 500 ETF	(\$1.28B)	(\$3.71B)	(\$6.92B)	\$9.21B	\$305.87B
VTV	Vanguard Value ETF	(\$0.18B)	(\$0.93B)	(\$0.83B)	\$2.62B	\$98.30B
VB	Vanguard Small-Cap ETF	(\$0.16B)	(\$0.21B)	\$0.91B	\$1.04B	\$41.06B
IUSV	iShares Core S&P US Value ETF	(\$0.11B)	(\$0.02B)	\$0.34B	\$1.17B	\$12.91B
IWD	iShares Russell 1000 Value ETF	(\$0.09B)	(\$1.72B)	(\$4.10B)	(\$3.44B)	\$48.45B
DFUV	Dimensional US Marketwide Value ETF	(\$0.09B)	\$0.18B	\$0.36B	\$0.61B	\$8.03B
DVY	iShares Select Dividend ETF	(\$0.08B)	(\$0.99B)	(\$0.38B)	\$0.42B	\$19.83B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.07B)	(\$2.40B)	(\$0.27B)	\$1.54B	\$31.77B
RPV	Invesco S&P 500 Pure Value ETF	(\$0.07B)	(\$1.07B)	(\$1.09B)	(\$1.20B)	\$2.15B

* 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)
XLK	Technology Select Sector SPDR Fund	0.00%	32.46%	4.78%	13.77%	64.94
XLC	Communication Services Select Sector SPDR Fund	-0.48%	33.56%	5.41%	13.99%	64.06
XLP	Consumer Staples Select Sector SPDR Fund	-1.63%	14.65%	1.62%	3.61%	49.85
SPY	SPDR S&P 500 ETF Trust	-3.37%	16.45%	2.39%	4.86%	57.23
XLI	Industrial Select Sector SPDR Fund	-4.22%	19.87%	0.28%	2.09%	50.65
XLV	Health Care Select Sector SPDR Fund	-6.48%	9.28%	0.05%	-0.11%	42.47
XLB	Materials Select Sector SPDR Fund	-11.52%	15.82%	-1.40%	-0.58%	42.89
XLF	Financial Select Sector SPDR Fund	-12.16%	7.30%	0.88%	-3.95%	51.26
XLY	Consumer Discretionary Select Sector SPDR Fund	-13.00%	19.19%	3.61%	3.45%	61.06
XLU	Utilities Select Sector SPDR Fund	-14.99%	7.95%	-2.23%	-4.28%	35.96
XLE	Energy Select Sector SPDR Fund	-16.60%	16.25%	-4.50%	-6.97%	39.55
XLRE	Real Estate Select Sector SPDR Fund	-20.20%	8.08%	-0.77%	-4.66%	45.06

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KRE	SPDR S&P Regional Banking ETF	7.36%
KBWR	Invesco KBW Regional Banking ETF	7.17%
IAT	iShares U.S. Regional Banks ETF	6.67%
QABA	First Trust NASDAQ ABA Community Bank Index F..	6.54%
KBE	SPDR S&P Bank ETF	6.20%
FTXO	First Trust Nasdaq Bank ETF	5.53%
KBWB	Invesco KBW Bank ETF	5.11%
FXO	First Trust Financials AlphaDEX Fund	3.64%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	3.03%
MORT	VanEck Mortgage REIT Income ETF	3.01%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IGM	iShares Expanded Tech Sector ETF	69.72
IYW	iShares U.S. Technology ETF	69.49
IETC	iShares U.S. Tech Independence Focused ETF	69.46
XNTK	SPDR NYSE Technology ETF	67.38
ITB	iShares U.S. Home Construction ETF	66.83
PSCT	Invesco S&P SmallCap Information Technology ETF	65.14
XLK	Technology Select Sector SPDR Fund	64.94
VGT	Vanguard Information Technology ETF	64.86
FTEC	Fidelity MSCI Information Technology Index ETF	64.46
XLC	Communication Services Select Sector SPDR Fund	64.06

Sector & Industry 1 Day Performance Laggards

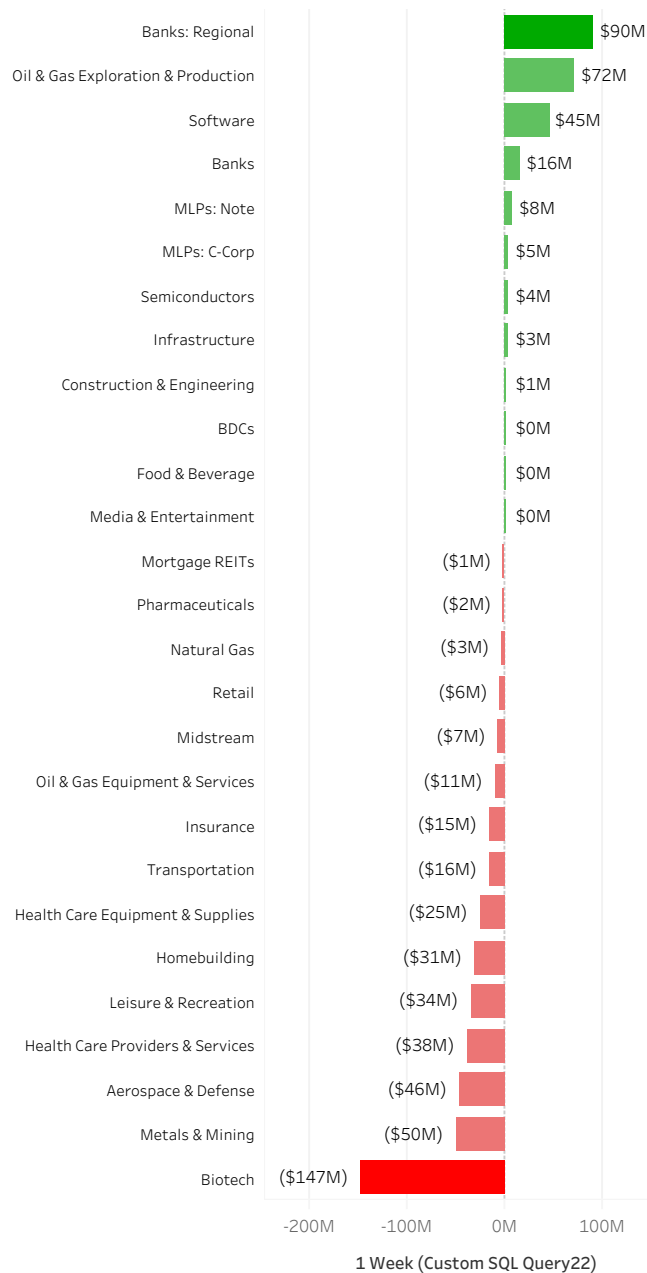
Ticker	Fund	1 Day Performance
PTH	Invesco DWA Healthcare Momentum ETF	-0.55%
IHE	iShares U.S. Pharmaceuticals ETF	-0.36%
XLU	Utilities Select Sector SPDR Fund	-0.36%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.35%
IDU	iShares U.S. Utilities ETF	-0.29%
IHI	iShares U.S. Medical Devices ETF	-0.25%
VPU	Vanguard Utilities ETF	-0.22%
XPH	SPDR S&P Pharmaceuticals ETF	-0.22%
FUTY	Fidelity MSCI Utilities Index ETF	-0.21%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.14%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RYU	Invesco S&P 500 Equal Weight Utilities ETF	35.59
XLU	Utilities Select Sector SPDR Fund	35.96
IHE	iShares U.S. Pharmaceuticals ETF	36.02
FUTY	Fidelity MSCI Utilities Index ETF	36.16
FXU	First Trust Utilities AlphaDEX Fund	36.21
VPU	Vanguard Utilities ETF	36.26
IDU	iShares U.S. Utilities ETF	36.62
XPH	SPDR S&P Pharmaceuticals ETF	38.79
XTL	SPDR S&P Telecom ETF	39.28
XME	SPDR S&P Metals & Mining ETF	39.45

* 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	\$16B	\$110M	\$1,557M	\$1,656M	\$1,794M
Consumer Discretionary	12	\$22B	\$40M	\$677M	\$203M	(\$745M)
Consumer Staples	10	\$32B	\$62M	\$1,783M	\$2,265M	\$4,129M
Energy	32	\$66B	(\$269M)	(\$5,050M)	(\$8,088M)	(\$10,026M)
Financials	26	\$51B	(\$796M)	(\$1,995M)	(\$1,872M)	(\$5,416M)
Health Care	23	\$91B	(\$285M)	(\$2,305M)	(\$3,458M)	\$1,734M
Industrial	13	\$30B	(\$114M)	(\$314M)	\$631M	(\$167M)
Materials	9	\$13B	(\$228M)	(\$1,018M)	\$100M	(\$2,646M)
Multi-Sector	19	\$14B	(\$112M)	\$451M	(\$232M)	(\$1,610M)
Real Estate	25	\$53B	(\$138M)	(\$3,056M)	(\$3,448M)	(\$6,061M)
Technology	23	\$133B	\$417M	\$749M	(\$887M)	\$1,085M
Utilities	9	\$25B	\$4M	\$434M	\$352M	\$1,694M

U.S. Sector & Industry Flow Leaders

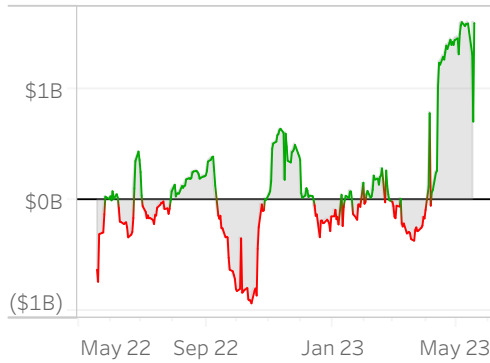
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$320M	(\$1,067M)	(\$2,268M)	(\$1,311M)	\$43,992M
XLC	Communication Services Select Sector SPDR Fu..	\$102M	\$1,558M	\$1,642M	\$1,878M	\$11,723M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$80M	(\$253M)	(\$717M)	(\$1,084M)	\$3,233M
KRE	SPDR S&P Regional Banking ETF	\$73M	\$1,565M	\$952M	\$258M	\$2,748M
IGV	iShares Expanded Tech-Software Sector ETF	\$45M	(\$283M)	\$6M	\$630M	\$5,153M
IYW	iShares U.S. Technology ETF	\$43M	\$772M	\$811M	\$2,580M	\$10,922M
IBB	iShares Biotechnology ETF	\$40M	(\$472M)	(\$831M)	(\$584M)	\$7,780M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$37M	\$139M	(\$280M)	(\$851M)	\$14,397M
RHS	Invesco S&P 500 Equal Weight Consumer Stapl..	\$24M	\$392M	\$450M	\$540M	\$1,148M
XLP	Consumer Staples Select Sector SPDR Fund	\$23M	\$1,439M	\$1,537M	\$2,490M	\$18,848M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$812M)	(\$1,295M)	(\$1,052M)	(\$2,925M)	\$28,619M
XLE	Energy Select Sector SPDR Fund	(\$198M)	(\$1,907M)	(\$2,779M)	(\$3,124M)	\$33,969M
XBI	SPDR S&P BIOTECH ETF	(\$187M)	(\$1,176M)	(\$1,655M)	(\$529M)	\$6,569M
XLB	Materials Select Sector SPDR Fund	(\$121M)	(\$395M)	\$84M	(\$1,061M)	\$5,358M
VNQ	Vanguard Real Estate ETF	(\$106M)	(\$1,281M)	(\$1,743M)	(\$3,411M)	\$31,083M
VDE	Vanguard Energy ETF	(\$95M)	(\$338M)	(\$500M)	(\$708M)	\$6,989M
XLV	Health Care Select Sector SPDR Fund	(\$67M)	(\$111M)	(\$69M)	\$2,423M	\$39,903M
FDN	First Trust Dow Jones Internet Index Fund	(\$50M)	(\$266M)	(\$571M)	(\$654M)	\$3,873M
XME	SPDR S&P Metals & Mining ETF	(\$50M)	(\$436M)	(\$50M)	(\$553M)	\$1,732M
FXZ	First Trust Materials AlphaDEX Fund	(\$48M)	(\$117M)	\$104M	(\$103M)	\$1,465M

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

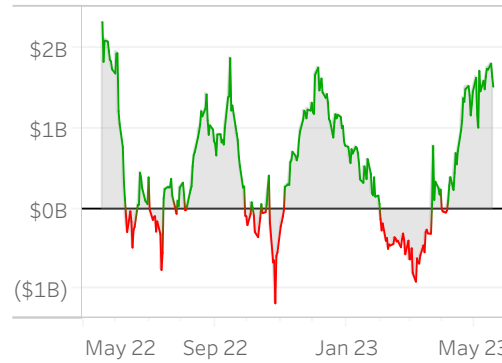
Communication Services



Consumer Discretionary



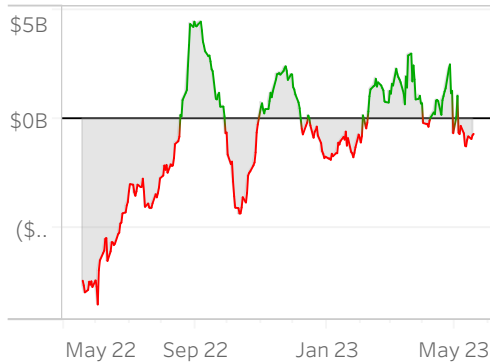
Consumer Staples



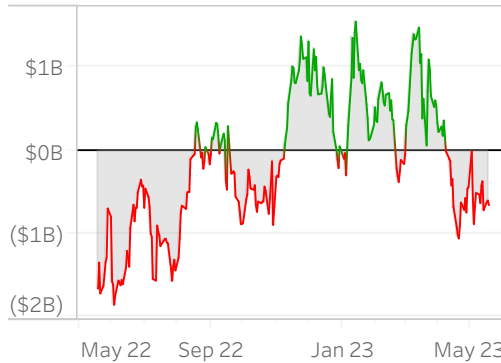
Energy



Financials



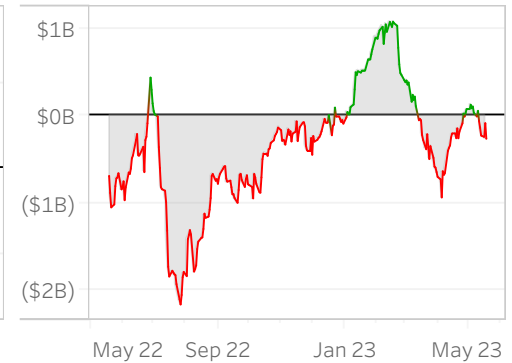
Industrial



Health Care



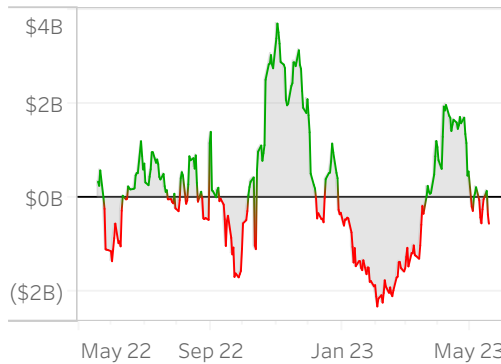
Materials



Real Estate



Technology



Utilities

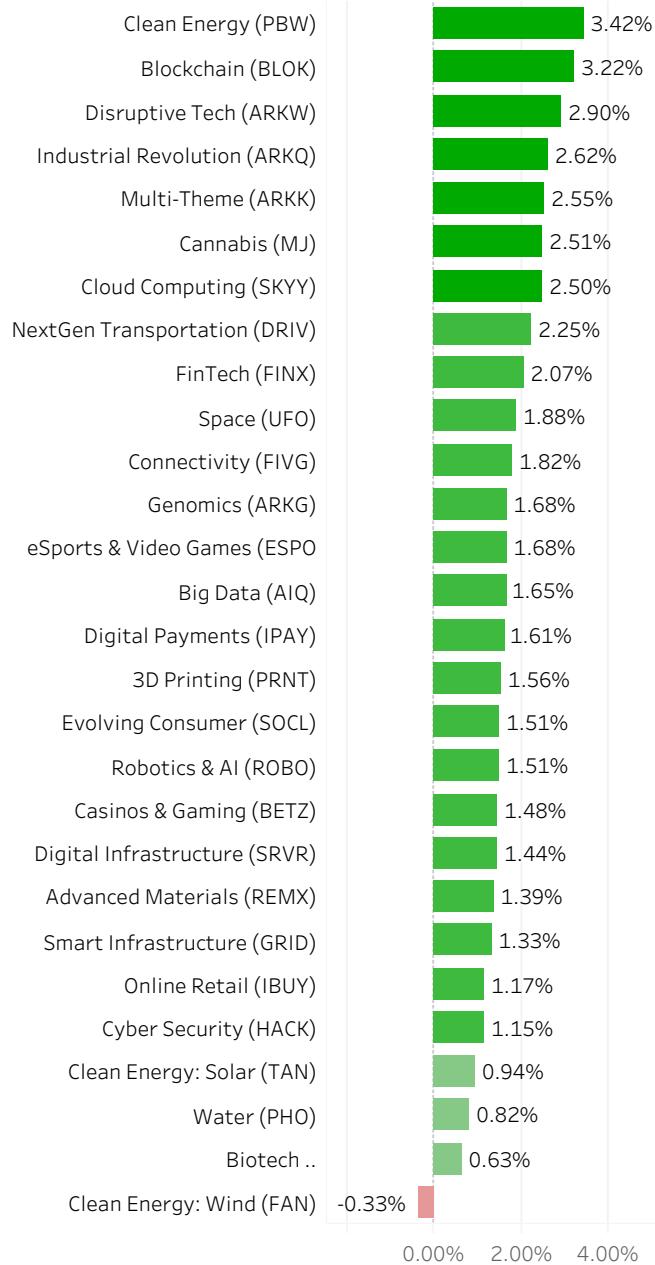


Multi-Sector

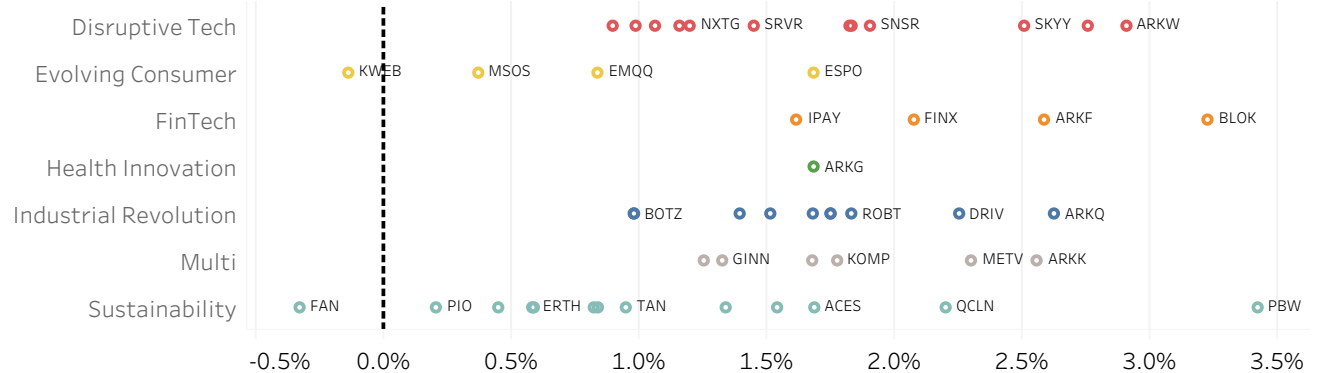


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	5.82%
BKCH	Global X Blockchain ETF	5.53%
PBW	Invesco WilderHill Clean Energy ETF	3.42%
BLOK	Amplify Transformational Data Sharing ETF	3.22%
ARKW	ARK Next Generation Internet ETF	2.90%
WCLD	WisdomTree Cloud Computing Fund	2.75%
ONLN	ProShares Online Retail ETF	2.66%
ARKQ	ARK Autonomous Technology & Robotics ETF	2.62%
ARKF	ARK Fintech Innovation ETF	2.58%
ARKK	ARK Innovation ETF	2.55%

Thematic Most Overbought

Ticker	Fund	Price
TIME	Clockwise Capital Innovation ETF	67.18
SKYY	First Trust Cloud Computing ETF	65.09
BOTZ	Global X Robotics & Artificial Intelligence ETF	64.89
TECB	iShares U.S. Tech Breakthrough Multisector ETF	64.67
QTUM	Defiance Quantum ETF	64.65
AIQ	Global X Artificial Intelligence & Technology ETF	63.98
REMX	VanEck Rare Earth/Strategic Metals ETF	62.33
EVX	VanEck Environmental Services ETF	62.28
METV	Roundhill Ball Metaverse ETF	62.12
IZRL	ARK Israel Innovative Technology ETF	60.72

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.11%
RNRG	Global X Renewable Energy Producers ETF	-0.41%
FAN	First Trust Global Wind Energy ETF	-0.33%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.18%
AGNG	Global X Aging Population ETF	-0.18%
KWEB	KraneShares CSI China Internet ETF	-0.14%
PAWZ	ProShares Pet Care ETF	-0.02%
PBD	Invesco Global Clean Energy ETF	0.14%
HTEC	ROBO Global Healthcare Technology and Innovation E..	0.14%
PIO	Invesco Global Water ETF	0.20%

Thematic Most Oversold

Ticker	Fund	Price
SRVR	Pacer Data & Infrastructure Real Estate ETF	43.67
HTEC	ROBO Global Healthcare Technology and Innovation ETF	44.40
BJK	VanEck Gaming ETF	44.76
EDOC	Global X Telemedicine & Digital Health ETF Registered	44.98
MJ	ETFMG Alternative Harvest ETF	45.48
PBD	Invesco Global Clean Energy ETF	45.82
RNRG	Global X Renewable Energy Producers ETF	45.86
MJUS	ETFMG U.S. Alternative Harvest ETF	46.17
AWAY	ETFMG Travel Tech ETF	46.75
MSOS	AdvisorShares Pure US Cannabis ETF	47.31

* 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	
ARKG	ARK Genomic Revolution ETF	\$55M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$17M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$14M
AIQ	Global X Artificial Intelligence & Technology ETF	\$8M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
ARKF	ARK Fintech Innovation ETF	\$5M
FIW	First Trust Water ETF	\$4M
IHAK	iShares Cybersecurity & Tech ETF	\$3M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$3M

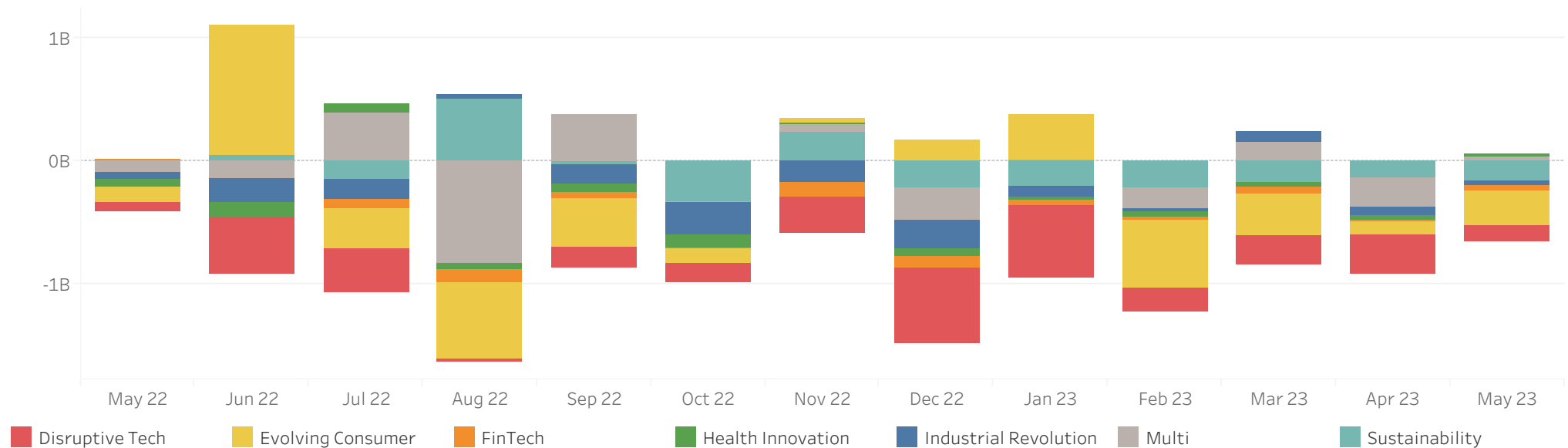
Thematic 1 Week Flow Laggards

Ticker	Fund	
PHO	Invesco Water Resources ETF	(\$41M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$32M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$25M)
KWEB	KraneShares CSI China Internet ETF	(\$17M)
TAN	Invesco Solar ETF	(\$17M)
KEMQ	KraneShares Emerging Markets Consumer Technology Index ETF	(\$16M)
ICLN	iShares Global Clean Energy ETF	(\$13M)
ACES	ALPS Clean Energy ETF	(\$11M)
ARKW	ARK Next Generation Internet ETF	(\$10M)
PBW	Invesco WilderHill Clean Energy ETF	(\$10M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$14B	(\$39M)	(\$734M)	(\$2,173M)	(\$3,577M)
Evolving Consumer	43	\$8B	(\$46M)	(\$969M)	(\$741M)	(\$1,267M)
FinTech	18	\$2B	(\$7M)	(\$155M)	(\$313M)	(\$609M)
Health Innovation	18	\$3B	\$45M	(\$52M)	(\$273M)	(\$498M)
Industrial Revolution	31	\$11B	\$4M	(\$56M)	(\$422M)	(\$1,334M)
Multi	40	\$14B	(\$8M)	(\$55M)	(\$792M)	(\$690M)
Sustainability	40	\$16B	(\$76M)	(\$531M)	(\$918M)	(\$813M)
Grand Total	224	\$69B	(\$127M)	(\$2,551M)	(\$5,633M)	(\$8,789M)

Thematic Monthly Flows

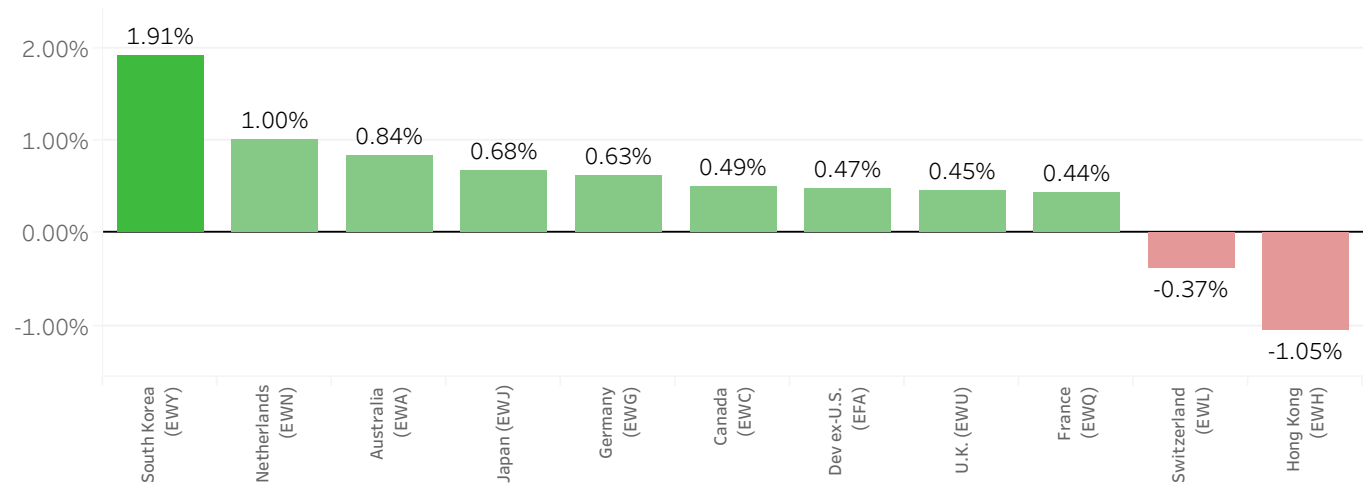


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



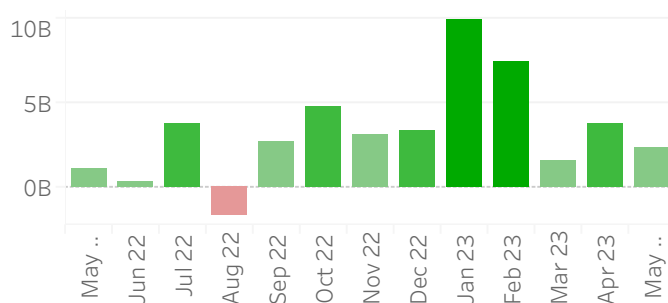
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	1.91%
FLKR	Franklin FTSE South Korea ETF	1.90%
EIS	iShares MSCI Israel ETF	1.72%
DXJ	WisdomTree Japan Hedged Equity Fund	1.67%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.65%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.63%
ISRA	VanEck Israel ETF	1.55%
ENZL	iShares MSCI New Zealand ETF	1.19%
IVAL	Alpha Architect International Quantitative Value ETF	1.11%
EWO	iShares MSCI Austria ETF	1.08%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	73.48
HEWJ	iShares Currency Hedged MSCI Japan ETF	72.91
BBJP	JPMorgan BetaBuilders Japan ETF	69.53
DXJ	WisdomTree Japan Hedged Equity Fund	68.80
FLJP	Franklin FTSE Japan ETF	68.38
JPXN	iShares JPX-Nikkei 400 ETF	68.22
EWJ	iShares MSCI Japan ETF	68.21
EWJV	iShares MSCI Japan Value ETF	66.06
SCJ	iShares MSCI Japan Small-Cap ETF	64.91
EIRL	iShares MSCI Ireland ETF	63.06

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	-1.05%
EWS	iShares MSCI Singapore ETF	-0.77%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.47%
FLSW	Franklin FTSE Switzerland ETF	-0.41%
EWL	iShares MSCI Switzerland ETF	-0.37%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.34%
EDEN	iShares MSCI Denmark ETF	-0.29%
GREK	Global X MSCI Greece ETF	-0.28%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.18%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	-0.06%

Developed ex-U.S. Most Oversold

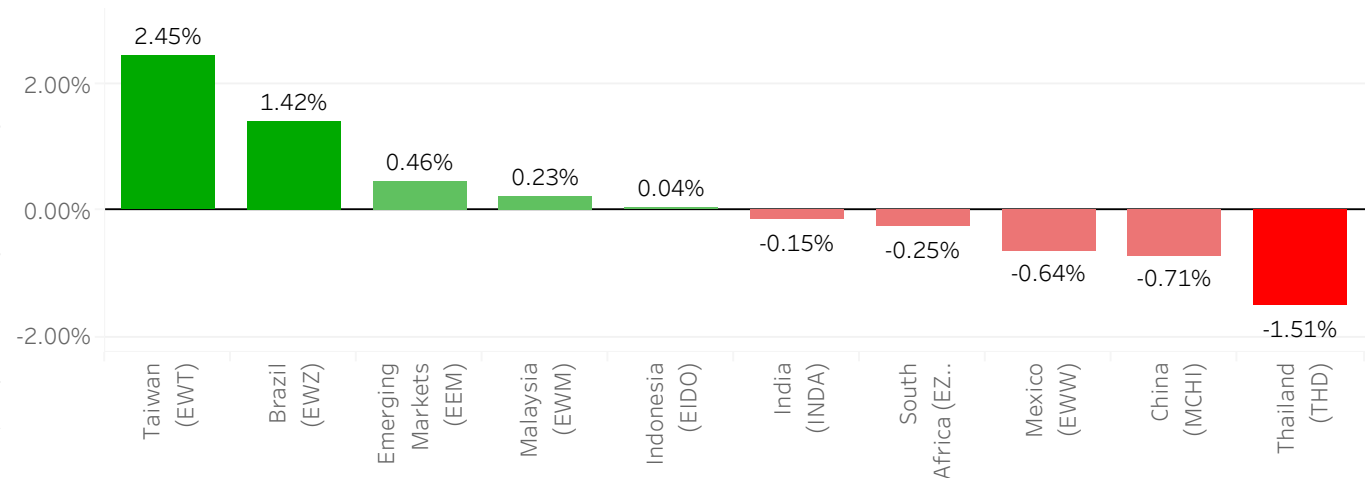
Ticker	Fund	Price
EWS	iShares MSCI Singapore ETF	38.00
EWH	iShares MSCI Hong Kong ETF	38.80
IDV	iShares International Select Dividend ETF	42.29
DTH	WisdomTree International High Dividend Fund	43.24
FYLD	Cambria Foreign Shareholder Yield ETF	43.25
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	43.51
EPP	iShares MSCI Pacific ex-Japan ETF	43.63
DFE	WisdomTree Europe SmallCap Dividend Fund	44.56
ICOW	Pacer Developed Markets International Cash Cows 1..	45.15
EWP	iShares MSCI Spain ETF	45.57

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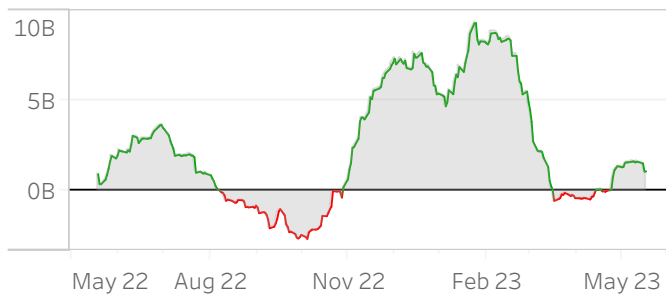
Emerging (EEM)



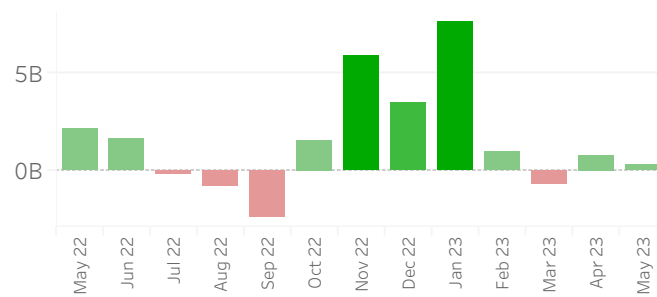
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QAT	iShares MSCI Qatar ETF	2.79%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.72%
EWT	iShares MSCI Taiwan ETF	2.45%
FLTW	Franklin FTSE Taiwan ETF	2.42%
XCEM	Columbia EM Core ex-China ETF	1.59%
EWZ	iShares MSCI Brazil ETF	1.42%
FLBR	Franklin FTSE Brazil ETF	1.30%
TUR	iShares MSCI Turkey ETF	1.25%
PIE	Invesco DWA Emerging Markets Momentum ETF	1.22%
FRDM	Freedom 100 Emerging Markets ETF	1.21%

Emerging Most Overbought

Ticker	Fund	Price
SMIN	iShares MSCI India Small Cap ETF	74.87
GLIN	VanEck India Growth Leaders ETF	68.00
QAT	iShares MSCI Qatar ETF	67.43
EWZS	iShares MSCI Brazil Small-Cap ETF	65.88
KSA	iShares MSCI Saudi Arabia ETF	65.64
FLLA	Franklin FTSE Latin America ETF	64.50
FLBR	Franklin FTSE Brazil ETF	64.30
ILF	iShares Latin America 40 ETF	64.10
EWZ	iShares MSCI Brazil ETF	63.92
FLTW	Franklin FTSE Taiwan ETF	60.90

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ECNS	iShares MSCI China Small-Cap ETF	-1.99%
THD	iShares MSCI Thailand ETF	-1.51%
EPOL	iShares MSCI Poland ETF	-1.17%
FLN	First Trust Latin America AlphaDEX Fund	-1.16%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-1.10%
FXI	iShares China Large-Cap ETF	-1.04%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.99%
FLCH	Franklin FTSE China ETF	-0.91%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.88%
GXC	SPDR S&P China ETF	-0.83%

Emerging Most Oversold

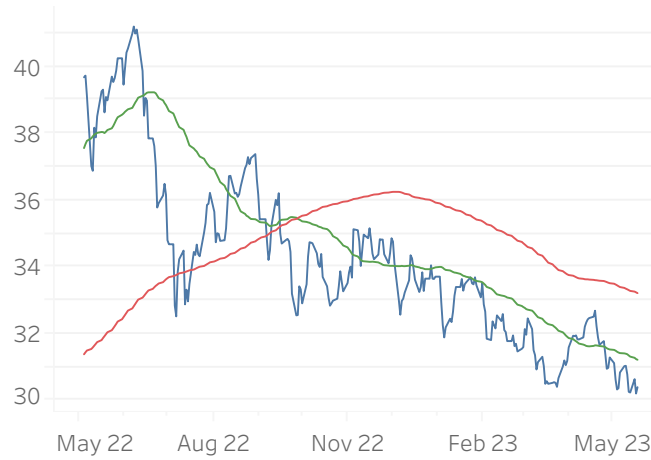
Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	31.70
EZA	iShares MSCI South Africa ETF	35.77
THD	iShares MSCI Thailand ETF	36.67
EWM	iShares MSCI Malaysia ETF	36.95
ECNS	iShares MSCI China Small-Cap ETF	37.60
FEM	First Trust Emerging Markets AlphaDEX Fund	37.63
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	38.56
RAYC	Rayliant Quantamental China Equity ETF	38.70
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	38.92
CNYA	iShares MSCI China A ETF	39.23

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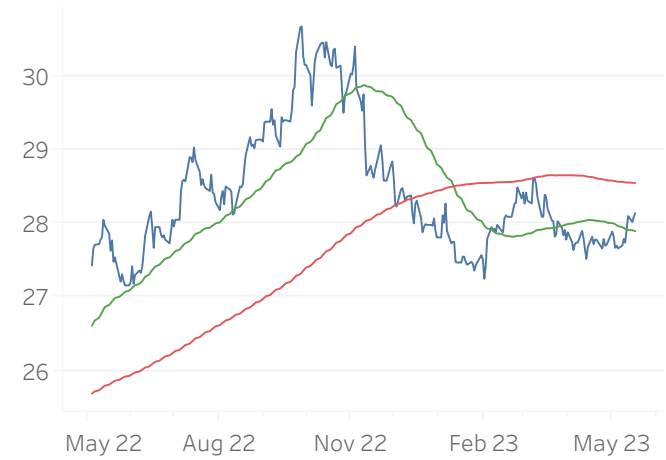
Fixed Income (AGG)



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	-0.15%	0.11%	2.84%
SHY	1-3 Year Treasury Bonds	-0.11%	0.37%	1.86%
IEF	7-10 Year Treasury Bonds	-0.32%	0.57%	3.84%
TLT	20+ Year Treasury Bonds	-0.29%	-0.95%	4.08%
TIP	TIPS Bonds	-0.05%	0.14%	2.98%
FLOT	Floating Rate Bonds	0.12%	0.70%	2.25%
LQD	Investment Grade Corporate	-0.01%	-1.05%	3.01%
HYG	High Yield Corporate	0.27%	-0.90%	2.62%
BKLN	Senior Loan	0.19%	-0.36%	3.89%
PFF	Preferred & Income Securities	1.99%	-3.48%	0.58%
MUB	Municipal Bonds	-0.36%	-0.79%	1.96%
MBB	MBS	-0.04%	0.46%	2.49%
EMB	Dollar Denominated EM Bonds	0.01%	-0.55%	1.56%
LEMB	Local Currency EM Bond	-0.45%	2.57%	5.93%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.63%	-6.49%	-9.82%
DBE	Energy	3.01%	-7.14%	-12.53%
USO	WTI Crude Oil	3.29%	-8.81%	-7.86%
BNO	Brent Crude Oil	3.07%	-8.72%	-8.59%
UNG	Natural Gas	0.58%	-3.23%	-51.06%
UGA	Gasoline	3.82%	-5.83%	-0.78%
DBP	Precious Metals	-0.35%	-1.60%	6.34%
GLD	Gold	-0.35%	-0.70%	8.60%
SLV	Silver	0.05%	-5.21%	-0.91%
PPLT	abrdn Physical Platin..	1.21%	2.70%	0.33%
PALL	abrdn Physical Palla..	-0.22%	-4.64%	-16.60%
DBB	Base Metals	1.70%	-6.59%	-4.52%
CPER	Copper	2.49%	-7.54%	-0.13%
LD	Lead	0.46%	-2.58%	-10.55%
JJN	Nickel	1.89%	-13.51%	-28.17%
JJU	Aluminum	1.60%	-3.08%	-4.95%
JJT	Tin	2.19%	-7.68%	1.32%
DBA	Agriculture	-0.76%	-1.98%	3.13%
CORN	Corn	-1.81%	-12.36%	-17.56%
SOYB	Soybeans	-1.66%	-8.68%	-12.81%
WEAT	Wheat	-3.08%	-10.91%	-21.18%
CANE	Sugar	-0.22%	9.92%	44.18%
BAL	Cotton	4.32%	4.63%	5.24%
NIB	Cocoa	0.53%	3.74%	21.76%
JO	Coffee	-0.07%	-5.91%	14.33%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.18%	1.15%	1.19%
UDN	Short Dollar	-0.11%	-0.53%	1.57%
FXE	Euro	-0.20%	-0.73%	1.64%
FXB	British Pound Sterling	0.09%	1.13%	4.33%
FXF	Swiss Franc	-0.23%	-0.04%	2.72%
FXJ	Japanese Yen	-0.98%	-2.42%	-4.87%
FXC	Canadian Dollar	0.28%	-0.22%	1.43%
FXA	Australian Dollar	0.16%	-0.53%	-1.82%

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