

Large Cap Blend (S&P 500) IVV



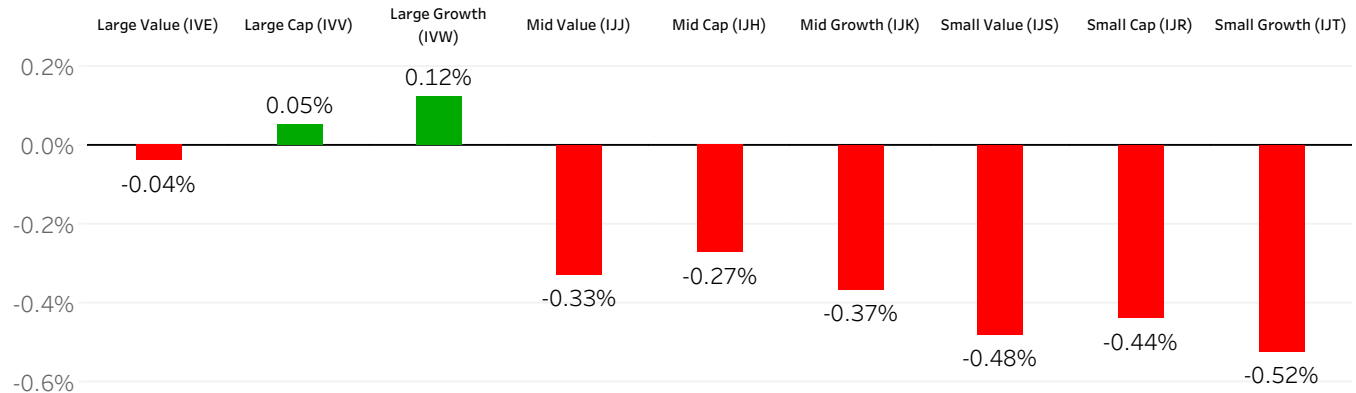
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	2.64%
FPX	First Trust US Equity Opportunities ETF	1.29%
BUZZ	VanEck Social Sentiment ETF	0.96%
DUSA	Davis Select U.S. Equity ETF	0.75%
WINN	Harbor Long-Term Growers ETF	0.61%
GVIP	Goldman Sachs Hedge Industry VIP ETF	0.55%
VEGN	US Vegan Climate ETF	0.49%
QVAL	Alpha Architect US Quantitative Value ETF	0.46%
AIEQ	AI Powered Equity ETF	0.44%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	0.42%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	66.62
WINN	Harbor Long-Term Growers ETF	65.80
MGK	Vanguard Mega Cap Growth ETF	62.98
IWY	iShares Russell Top 200 Growth ETF	62.50
TMFC	Motley Fool 100 Index ETF	62.10
XLG	Invesco S&P 500 Top 50 ETF	61.63
SCHG	Schwab U.S. Large-Cap Growth ETF	61.44
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	61.10
QQQM	Invesco NASDAQ 100 ETF	61.09
QQQ	Invesco QQQ Trust	60.91

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
XSLV	Invesco S&P SmallCap Low Volatility ETF	-1.21%
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	-0.98%
SVAL	iShares US Small Cap Value Factor ETF	-0.87%
XMLV	Invesco S&P MidCap Low Volatility ETF	-0.81%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.77%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-0.76%
SLY	SPDR S&P 600 Small Cap ETF	-0.71%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	-0.65%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-0.64%
TPSC	Timothy Plan US Small Cap Core ETF	-0.63%

Size & Style Most Oversold

Ticker	Fund	Price
XSLV	Invesco S&P SmallCap Low Volatility ETF	35.32
FCTR	First Trust Lunt U.S. Factor Rotation ETF	35.42
DIV	Global X SuperDividend US ETF	37.38
RDIV	Invesco S&P Ultra Dividend Revenue ETF	37.62
SVAL	iShares US Small Cap Value Factor ETF	37.90
SIXS	ETC 6 Meridian Small Cap Equity ETF	37.93
WBI	WBI BullBear Yield 3000 ETF	38.40
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	38.74
DHS	WisdomTree U.S. High Dividend Fund	38.85
FDL	First Trust Morningstar Dividend Leaders Index Fund	39.23

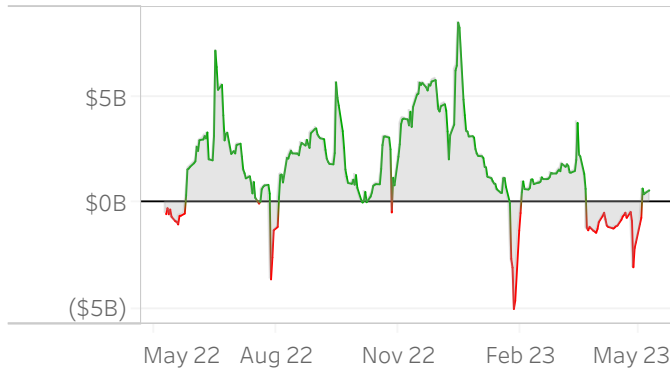
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

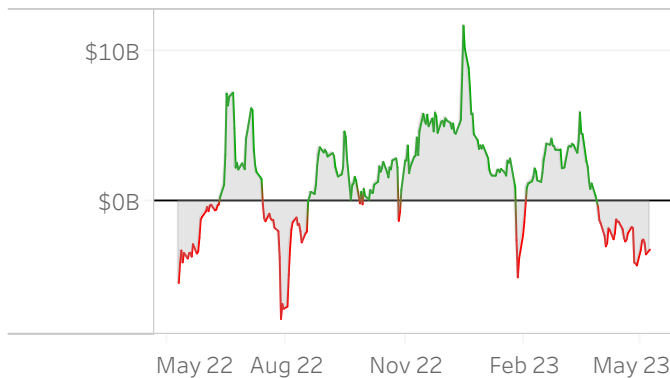
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	26	\$1,296B	\$4.37B	\$9.55B	(\$2.20B)	\$70.60B
Large Cap, Beta, Beta: Growth	10	\$248B	(\$0.21B)	\$3.06B	\$7.23B	\$21.17B
Large Cap, Beta, Beta: Value	11	\$218B	(\$0.16B)	(\$4.56B)	(\$5.16B)	\$2.55B
Mid Cap, Beta, Beta	10	\$181B	(\$0.26B)	(\$0.44B)	\$3.56B	\$10.09B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.07B	\$0.35B	(\$0.04B)	\$1.32B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.06B)	(\$0.90B)	(\$0.50B)	\$1.10B
Small Cap, Beta, Beta	13	\$183B	(\$2.21B)	(\$3.99B)	(\$0.38B)	\$1.99B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.14B)	(\$0.22B)	\$0.20B	\$1.17B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.06B)	(\$1.02B)	(\$0.06B)	(\$0.05B)

U.S. Size & Style Flow Leaders

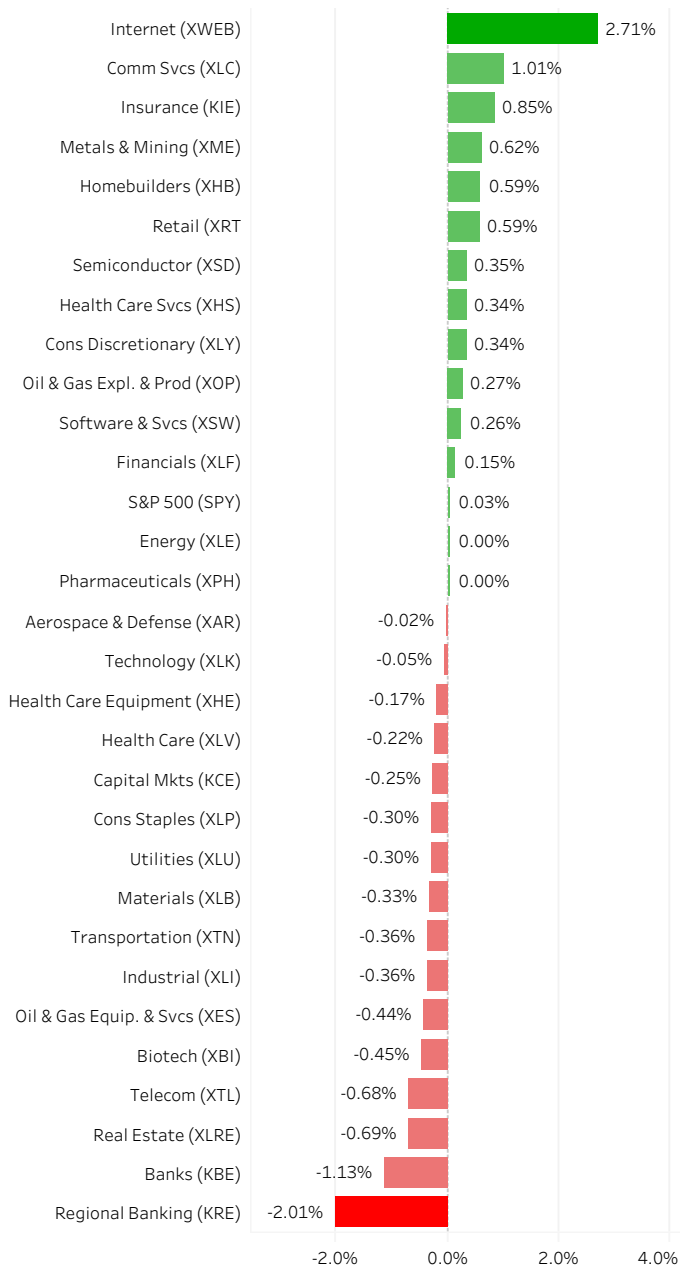
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$2.76B	(\$1.23B)	(\$5.67B)	\$8.81B	\$379.55B
QQQ	Invesco QQQ Trust	\$1.32B	\$3.88B	(\$1.41B)	(\$0.56B)	\$175.78B
VOO	Vanguard S&P 500 ETF	\$0.39B	\$7.84B	\$6.70B	\$32.93B	\$291.52B
VTI	Vanguard Total Stock Market ETF	\$0.25B	\$1.96B	\$8.92B	\$19.38B	\$283.76B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.14B	\$8.84B	\$8.53B	\$6.52B	\$28.36B
QQQM	Invesco NASDAQ 100 ETF	\$0.13B	\$1.65B	\$3.07B	\$4.77B	\$9.43B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.10B	\$1.25B	\$2.58B	\$4.28B	\$18.70B
QQEW	First Trust Nasdaq-100 Equal Weighted Index..	\$0.09B	\$0.22B	\$0.30B	\$0.45B	\$1.56B
SCHD	Schwab US Dividend Equity ETF	\$0.08B	\$2.02B	\$6.90B	\$14.22B	\$45.77B
MGK	Vanguard Mega Cap Growth ETF	\$0.07B	\$0.61B	\$0.47B	\$0.61B	\$12.18B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.90B)	(\$4.15B)	(\$3.94B)	(\$3.11B)	\$47.23B
VUG	Vanguard Growth ETF	(\$0.40B)	\$0.46B	\$2.67B	\$7.82B	\$82.19B
VYM	Vanguard High Dividend Yield Index ETF	(\$0.36B)	\$0.37B	\$0.26B	\$5.55B	\$48.32B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.32B)	(\$1.69B)	\$0.79B	\$2.08B	\$32.99B
IJR	iShares Core S&P Small Cap ETF	(\$0.21B)	(\$0.27B)	\$0.87B	\$2.61B	\$64.17B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.19B)	(\$0.79B)	(\$0.50B)	\$1.61B	\$30.81B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.15B)	(\$0.36B)	\$0.14B	\$0.56B	\$18.41B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.12B)	(\$0.19B)	(\$0.95B)	(\$1.70B)	\$10.80B
LVHD	Franklin U.S. Low Volatility High Dividend Ind..	(\$0.11B)	\$0.15B	\$0.28B	\$0.44B	\$1.12B
DFAT	Dimensional U.S. Targeted Value ETF	(\$0.10B)	\$0.08B	\$0.37B	\$0.95B	\$7.31B

\* 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	-0.26%	29.68%	3.91%	11.56%	58.96
XLP	Consumer Staples Select Sector SPDR Fund	-0.71%	15.71%	3.42%	4.67%	60.23
XLC	Communication Services Select Sector SPDR Fund	-3.31%	29.75%	3.82%	10.91%	55.55
SPY	SPDR S&P 500 ETF Trust	-3.95%	15.76%	2.23%	4.22%	54.96
XLI	Industrial Select Sector SPDR Fund	-4.36%	19.69%	-0.38%	2.04%	48.54
XLV	Health Care Select Sector SPDR Fund	-4.85%	11.19%	2.26%	1.63%	52.99
XLB	Materials Select Sector SPDR Fund	-9.90%	17.94%	-0.39%	1.29%	47.39
XLU	Utilities Select Sector SPDR Fund	-11.90%	11.87%	1.88%	-1.12%	51.61
XLF	Financial Select Sector SPDR Fund	-12.49%	6.90%	-0.97%	-4.46%	47.50
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.62%	16.97%	2.09%	1.12%	54.88
XLE	Energy Select Sector SPDR Fund	-14.72%	18.88%	-3.51%	-4.69%	40.27
XLRE	Real Estate Select Sector SPDR Fund	-18.71%	10.10%	0.59%	-3.51%	50.98

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PNQI	Invesco NASDAQ Internet ETF	1.37%
FDN	First Trust Dow Jones Internet Index Fund	1.19%
FCOM	Fidelity MSCI Communication Services Index ETF	1.03%
XNTK	SPDR NYSE Technology ETF	1.03%
PSJ	Invesco Dynamic Software ETF	1.02%
XLC	Communication Services Select Sector SPDR Fund	1.01%
VOX	Vanguard Communication Services ETF	1.01%
BIZD	VanEck BDC Income ETF	0.98%
IAK	iShares U.S. Insurance ETF	0.92%
KIE	SPDR S&P Insurance ETF	0.85%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	65.03
PKB	Invesco Dynamic Building & Construction ETF	64.41
XHB	SPDR S&P Homebuilders ETF	62.59
XBI	SPDR S&P BIOTECH ETF	62.12
PBJ	Invesco Dynamic Food & Beverage ETF	61.86
PTH	Invesco DWA Healthcare Momentum ETF	61.84
PNQI	Invesco NASDAQ Internet ETF	61.56
VDC	Vanguard Consumer Staples ETF	61.18
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	60.81
INDS	Pacer Industrial Real Estate ETF	60.44

## Sector & Industry 1 Day Performance Laggards

Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	-2.69%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-2.43%
KRE	SPDR S&P Regional Banking ETF	-2.01%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-1.52%
FXG	First Trust Consumer Staples AlphaDEX Fund	-1.17%
KBE	SPDR S&P Bank ETF	-1.13%
IAT	iShares U.S. Regional Banks ETF	-1.11%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.90%
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	-0.86%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-0.86%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XTL	SPDR S&P Telecom ETF	27.98
QABA	First Trust NASDAQ ABA Community Bank Index Fund	31.19
IGN	iShares North American Tech-Multimedia Networking ETF	32.13
MLPA	Global X MLP ETF	32.68
KRE	SPDR S&P Regional Banking ETF	34.68
KBWR	Invesco KBW Regional Banking ETF	34.89
IAT	iShares U.S. Regional Banks ETF	36.33
KBWB	Invesco KBW Bank ETF	36.72
KBE	SPDR S&P Bank ETF	36.91
XSD	SPDR S&P Semiconductor ETF	36.94

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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	\$15B	\$278M	\$1,332M	\$1,169M	\$1,114M
Consumer Discretionary	12	\$22B	(\$64M)	\$511M	\$109M	(\$1,545M)
Consumer Staples	10	\$32B	\$480M	\$1,800M	\$2,468M	\$4,347M
Energy	32	\$68B	(\$548M)	(\$4,718M)	(\$8,119M)	(\$9,853M)
Financials	26	\$53B	(\$1,421M)	(\$237M)	(\$285M)	(\$6,283M)
Health Care	23	\$93B	\$723M	(\$2,249M)	(\$2,183M)	\$2,321M
Industrial	13	\$31B	(\$207M)	\$129M	\$1,279M	(\$694M)
Materials	9	\$14B	(\$237M)	(\$550M)	\$436M	(\$2,981M)
Multi-Sector	19	\$14B	\$18M	\$333M	(\$142M)	(\$1,796M)
Real Estate	25	\$56B	(\$242M)	(\$2,903M)	(\$3,172M)	(\$5,912M)
Technology	23	\$131B	\$324M	(\$5M)	(\$44M)	\$365M
Utilities	9	\$26B	\$101M	\$283M	\$89M	\$1,819M

## U.S. Sector & Industry Flow Leaders

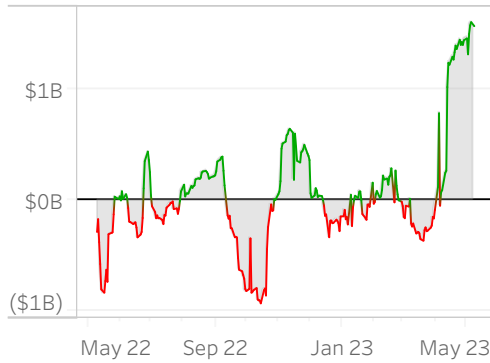
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$601M	(\$43M)	\$170M	\$2,950M	\$40,645M
KRE	SPDR S&P Regional Banking ETF	\$411M	\$1,765M	\$1,012M	\$384M	\$3,055M
XLP	Consumer Staples Select Sector SPDR Fund	\$406M	\$1,433M	\$1,676M	\$2,823M	\$18,979M
XLK	Technology Select Sector SPDR Fund	\$283M	(\$1,429M)	(\$1,804M)	(\$1,436M)	\$43,639M
XLC	Communication Services Select Sector SPDR Fu..	\$199M	\$1,299M	\$1,144M	\$1,431M	\$11,121M
XLU	Utilities Select Sector SPDR Fund	\$98M	\$595M	\$311M	\$1,376M	\$16,319M
XBI	SPDR S&P BIOTECH ETF	\$89M	(\$1,183M)	(\$796M)	\$247M	\$6,785M
FCOM	Fidelity MSCI Communication Services Index ETF	\$75M	\$115M	\$95M	(\$36M)	\$657M
FTEC	Fidelity MSCI Information Technology Index ETF	\$73M	\$107M	\$153M	\$73M	\$6,136M
ITB	iShares U.S. Home Construction ETF	\$57M	\$195M	\$285M	\$74M	\$1,864M

## U.S. Sector & Industry Flow Laggards

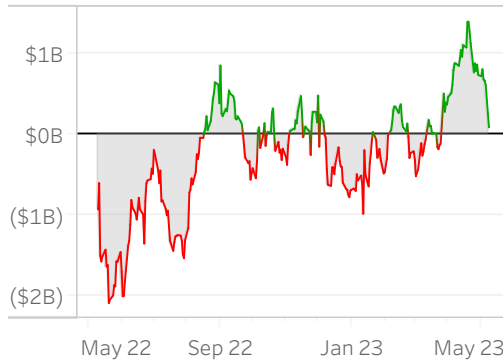
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,673M)	(\$483M)	\$102M	(\$3,182M)	\$29,866M
XLE	Energy Select Sector SPDR Fund	(\$499M)	(\$1,283M)	(\$2,909M)	(\$2,691M)	\$35,748M
XLI	Industrial Select Sector SPDR Fund	(\$134M)	(\$579M)	(\$442M)	(\$1,188M)	\$13,130M
IYR	iShares U.S. Real Estate ETF	(\$90M)	(\$636M)	(\$605M)	(\$1,184M)	\$2,776M
VFH	Vanguard Financials ETF	(\$87M)	(\$560M)	(\$663M)	(\$1,544M)	\$7,438M
IYM	iShares U.S. Basic Materials ETF	(\$77M)	\$56M	(\$26M)	(\$177M)	\$828M
XLRE	Real Estate Select Sector SPDR Fund	(\$71M)	(\$615M)	(\$506M)	(\$231M)	\$4,409M
VNQ	Vanguard Real Estate ETF	(\$64M)	(\$1,035M)	(\$1,437M)	(\$3,623M)	\$32,462M
FDN	First Trust Dow Jones Internet Index Fund	(\$63M)	(\$216M)	(\$579M)	(\$668M)	\$3,799M
XME	SPDR S&P Metals & Mining ETF	(\$61M)	(\$376M)	\$50M	(\$637M)	\$1,898M

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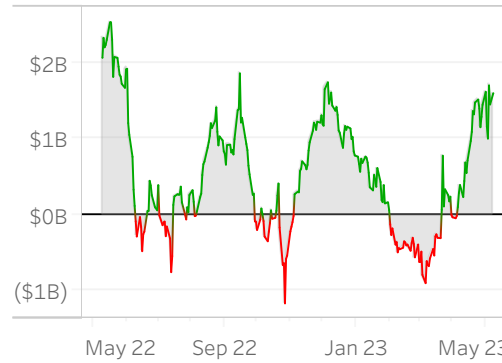
Communication Services



Consumer Discretionary



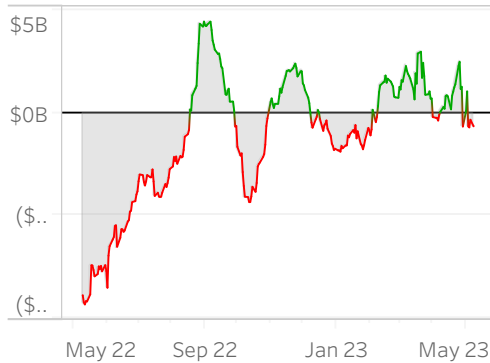
Consumer Staples



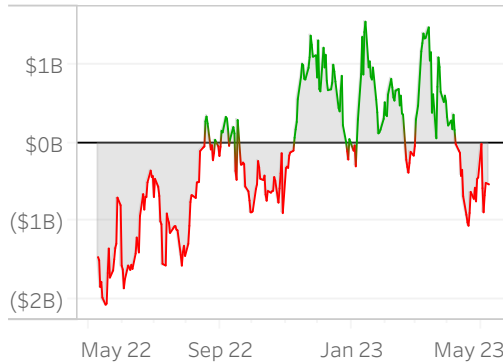
Energy



Financials



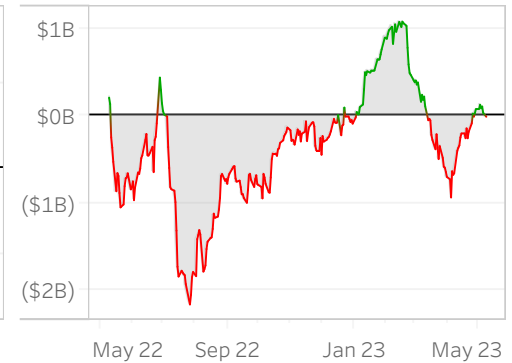
Industrial



Health Care



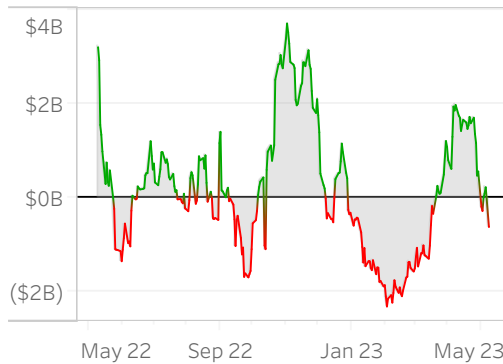
Materials



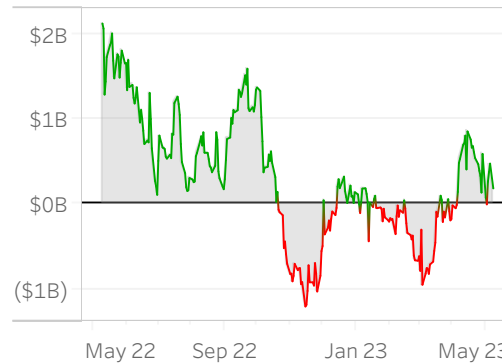
Real Estate



Technology



Utilities

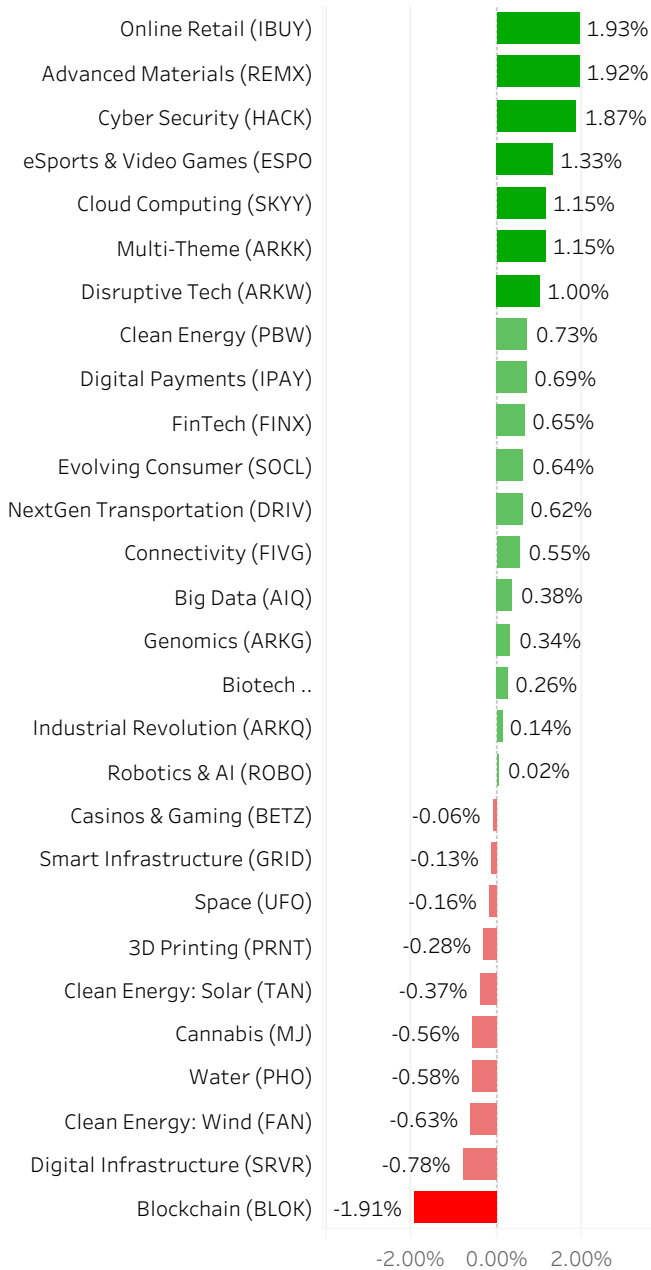


Multi-Sector



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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BUG	Global X Cybersecurity ETF	3.18%
ONLN	ProShares Online Retail ETF	2.45%
IHAK	iShares Cybersecurity & Tech ETF	2.34%
IBUY	Amplify Online Retail ETF	1.93%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.92%
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Securit..	1.87%
TIME	Clockwise Capital Innovation ETF	1.84%
CLOU	Global X Cloud Computing ETF	1.75%
CIBR	First Trust NASDAQ Cybersecurity ETF	1.69%
XITK	SPDR FactSet Innovative Technology ETF	1.67%

## Thematic Most Overbought

Ticker	Fund	Price
SBIO	ALPS Medical Breakthroughs ETF	68.76
TIME	Clockwise Capital Innovation ETF	65.05
MSOS	AdvisorShares Pure US Cannabis ETF	64.29
AGNG	Global X Aging Population ETF	62.89
BTEC	Principal Healthcare Innovators ETF	62.85
BETZ	Roundhill Sports Betting & iGaming ETF	61.82
ARKF	ARK Fintech Innovation ETF	60.71
EVX	VanEck Environmental Services ETF	60.57
CGW	Invesco S&P Global Water Index ETF	60.05
REMX	VanEck Rare Earth/Strategic Metals ETF	59.22

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-4.43%
BKCH	Global X Blockchain ETF	-3.89%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-2.09%
BLOK	Amplify Transformational Data Sharing ETF	-1.91%
GNOM	Global X Genomics & Biotechnology ETF	-1.16%
HTEC	ROBO Global Healthcare Technology and Innovation E..	-1.02%
KWEB	KraneShares CSI China Internet ETF	-0.80%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-0.78%
FAN	First Trust Global Wind Energy ETF	-0.63%
PHO	Invesco Water Resources ETF	-0.58%

## Thematic Most Oversold

Ticker	Fund	Price
TAN	Invesco Solar ETF	38.72
KWEB	KraneShares CSI China Internet ETF	41.73
ICLN	iShares Global Clean Energy ETF	41.74
CTEC	Global X CleanTech ETF	42.91
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	43.28
CNRG	SPDR S&P Kensho Clean Power ETF	43.32
PRNT	3D Printing ETF	44.15
XITK	SPDR FactSet Innovative Technology ETF	44.66
WCLD	WisdomTree Cloud Computing Fund	44.87
FIVG	Defiance Next Gen Connectivity ETF	44.99

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
BUG	Global X Cybersecurity ETF	\$31M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$14M
ARKK	ARK Innovation ETF	\$11M
FIW	First Trust Water ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$7M
AIQ	Global X Artificial Intelligence & Technology ETF	\$5M
ARKQ	ARK Autonomous Technology & Robotics ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$4M
TARK	AXS 2X Innovation ETF	\$4M

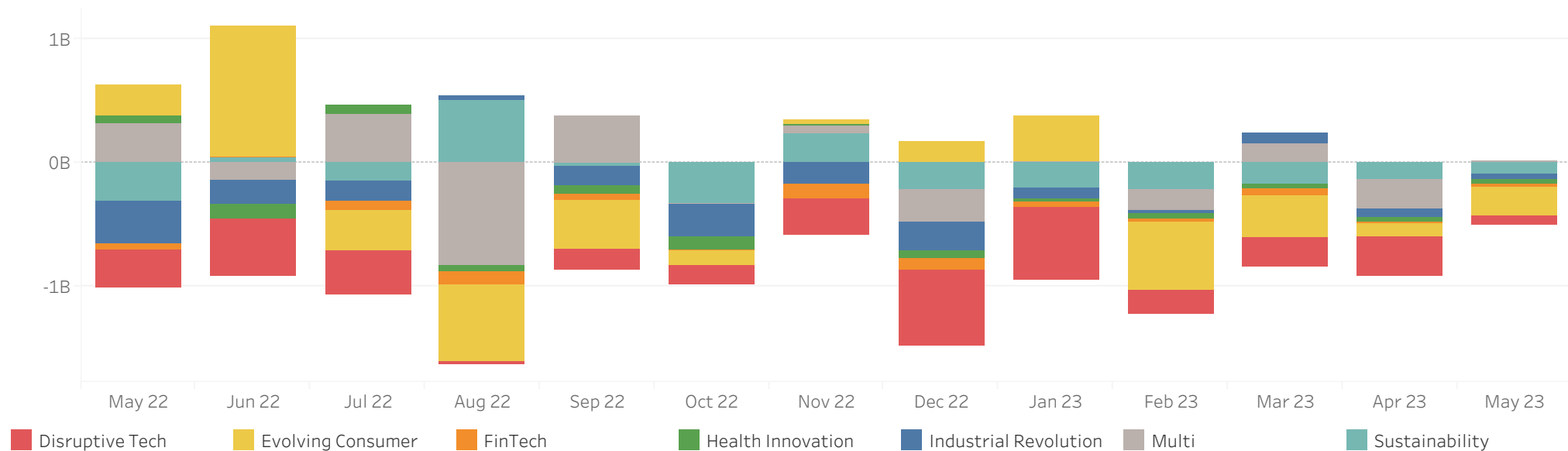
## Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$178M)
ICLN	iShares Global Clean Energy ETF	(\$57M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
TAN	Invesco Solar ETF	(\$27M)
LIT	Global X Lithium & Battery Tech ETF	(\$22M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$21M)
SNSR	Global X Internet of Things ETF	(\$19M)
FIVG	Defiance Next Gen Connectivity ETF	(\$14M)
SKYY	First Trust Cloud Computing ETF	(\$12M)
ARKF	ARK Fintech Innovation ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$14B	(\$43M)	(\$772M)	(\$2,225M)	(\$3,770M)
Evolving Consumer	44	\$8B	(\$173M)	(\$1,142M)	(\$667M)	(\$825M)
FinTech	18	\$3B	(\$29M)	(\$141M)	(\$323M)	(\$661M)
Health Innovation	18	\$3B	(\$15M)	(\$166M)	(\$220M)	(\$458M)
Industrial Revolution	31	\$10B	(\$34M)	(\$45M)	(\$488M)	(\$1,640M)
Multi	41	\$14B	\$13M	(\$39M)	(\$358M)	(\$295M)
Sustainability	40	\$16B	(\$93M)	(\$515M)	(\$718M)	(\$1,052M)
Grand Total	226	\$68B	(\$375M)	(\$2,821M)	(\$4,999M)	(\$8,701M)

## Thematic Monthly Flows

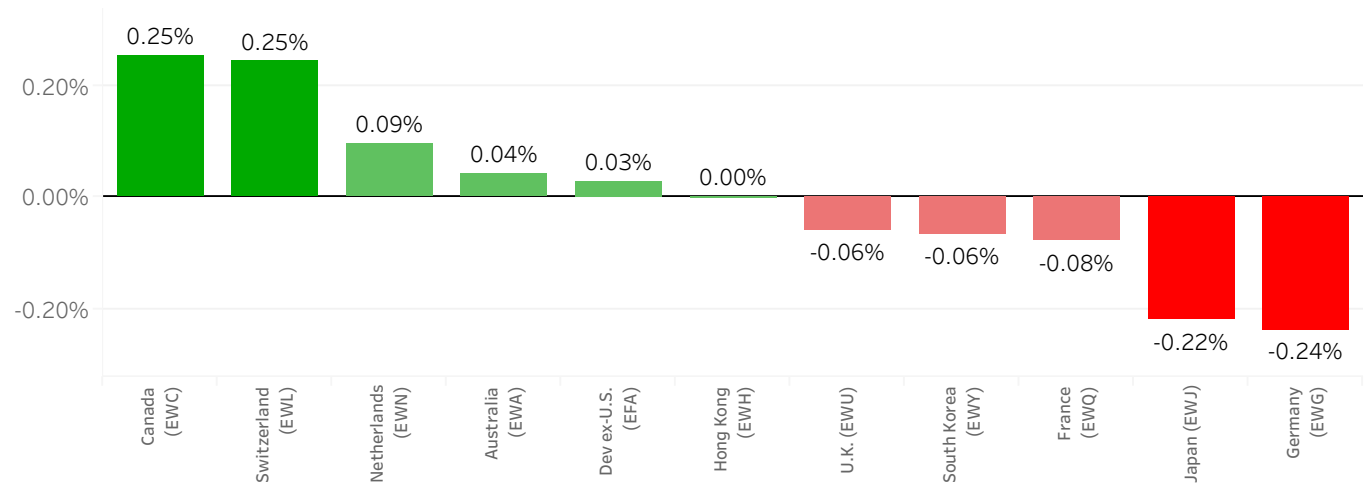


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



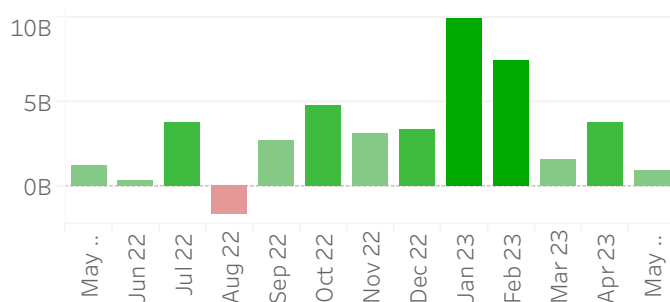
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	0.98%
EWO	iShares MSCI Austria ETF	0.88%
EIRL	iShares MSCI Ireland ETF	0.80%
GREK	Global X MSCI Greece ETF	0.62%
ENZL	iShares MSCI New Zealand ETF	0.61%
EDEN	iShares MSCI Denmark ETF	0.52%
FYLD	Cambria Foreign Shareholder Yield ETF	0.44%
IVAL	Alpha Architect International Quantitative Value ETF	0.43%
ISRA	VanEck Israel ETF	0.43%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.34%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWL	iShares MSCI Switzerland ETF	74.64
FLSW	Franklin FTSE Switzerland ETF	72.64
EFAV	iShares MSCI EAFE Min Vol Factor ETF	70.40
IDLV	Invesco S&P International Developed Low Volatility ETF	68.33
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	68.27
IQDG	WisdomTree International Quality Dividend Growth Fund	67.38
BKCI	BNY Mellon Concentrated International ETF	66.53
EUDG	WisdomTree Europe Quality Dividend Growth Fund	66.46
IHDG	WisdomTree International Hedged Quality Dividend Grow..	65.28
ISVL	iShares International Developed Small Cap Value Factor E..	64.63

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.29%
DFE	WisdomTree Europe SmallCap Dividend Fund	-0.27%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.26%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.24%
EWG	iShares MSCI Germany ETF	-0.24%
FLKR	Franklin FTSE South Korea ETF	-0.23%
FLJP	Franklin FTSE Japan ETF	-0.23%
EWJ	iShares MSCI Japan ETF	-0.22%
DAX	Global X DAX Germany ETF	-0.20%
JPNX	iShares JPX-Nikkei 400 ETF	-0.19%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
MINV	Matthews Asia Innovators Active ETF	46.28
AIA	iShares Asia 50 ETF	48.73
EWH	iShares MSCI Hong Kong ETF	49.32
FYLD	Cambria Foreign Shareholder Yield ETF	49.80
EWP	iShares MSCI Spain ETF	50.98
IMOM	Alpha Architect International Quantitative Moment..	51.42
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	51.71
PIZ	Invesco DWA Developed Markets Momentum ETF	52.03
ICOW	Pacer Developed Markets International Cash Cows 1..	52.36
AAXJ	iShares MSCI All Country Asia ex Japan ETF	52.38

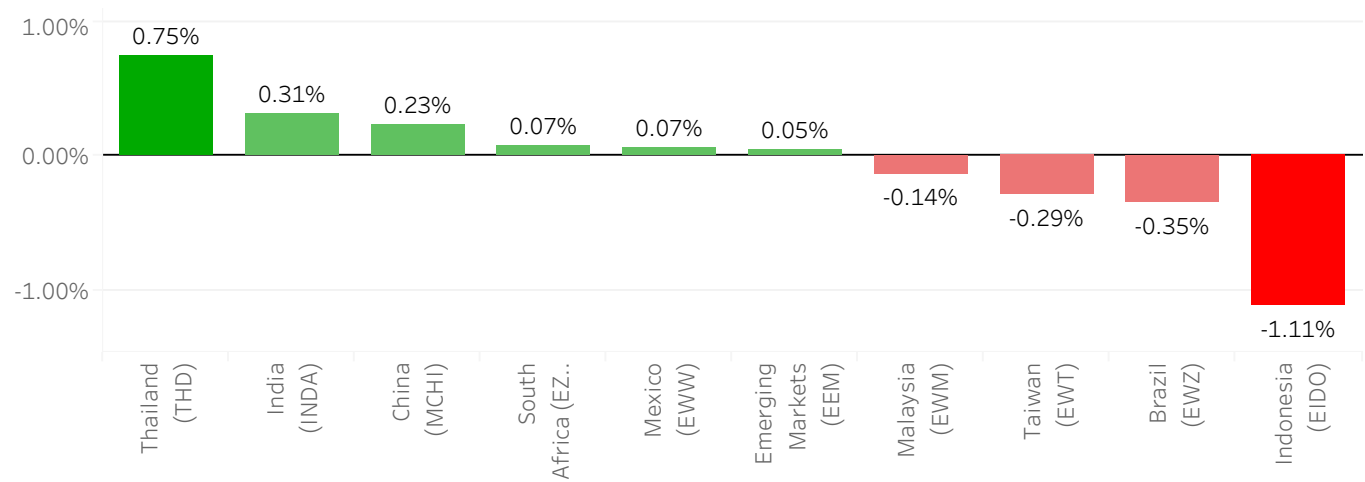
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



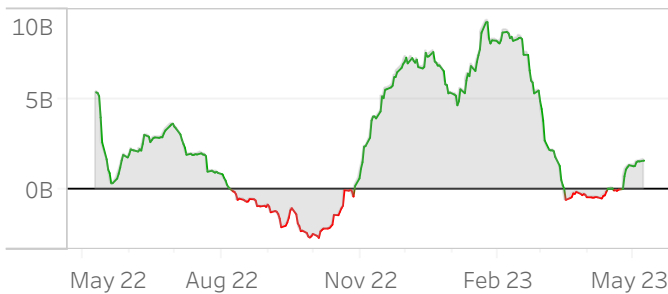
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



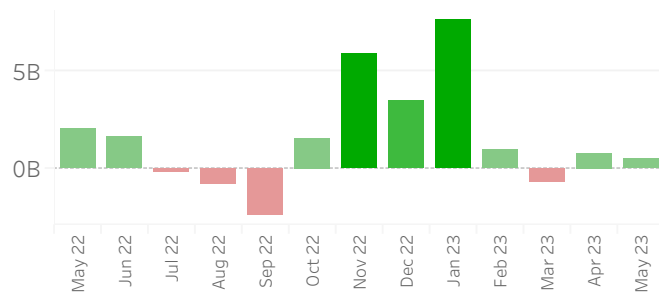
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	4.00%
ECH	iShares MSCI Chile ETF	2.33%
EPU	iShares MSCI Peru and Global Exposure ETF	2.10%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.40%
EDIV	SPDR S&P Emerging Markets Dividend ETF	1.17%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	0.96%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.94%
FNDE	Schwab Fundamental Emerging Markets Large Co. Index..	0.90%
PXH	Invesco FTSE RAFI Emerging Markets ETF	0.86%
GLIN	VanEck India Growth Leaders ETF	0.84%

Emerging Most Overbought

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	76.35
FLIN	Franklin FTSE India ETF	73.75
INDA	iShares MSCI India ETF	73.06
SMIN	iShares MSCI India Small Cap ETF	72.25
EPI	WisdomTree India Earnings Fund	72.13
PIN	Invesco India ETF	71.12
EDIV	SPDR S&P Emerging Markets Dividend ETF	70.70
GLIN	VanEck India Growth Leaders ETF	69.95
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	69.75
INDY	iShares India 50 ETF	69.18

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	-1.42%
EIDO	iShares MSCI Indonesia ETF	-1.11%
FLN	First Trust Latin America AlphaDEX Fund	-0.92%
ECNS	iShares MSCI China Small-Cap ETF	-0.74%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.56%
EWZ	iShares MSCI Brazil ETF	-0.35%
FLBR	Franklin FTSE Brazil ETF	-0.32%
EWT	iShares MSCI Taiwan ETF	-0.29%
PGJ	Invesco Golden Dragon China ETF	-0.26%
QAT	iShares MSCI Qatar ETF	-0.26%

Emerging Most Oversold

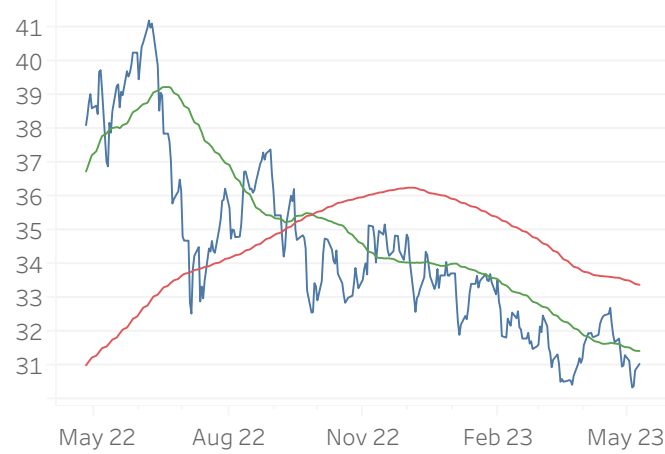
Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	37.10
PGJ	Invesco Golden Dragon China ETF	42.40
RAYC	Rayliant Quantamental China Equity ETF	43.13
ECNS	iShares MSCI China Small-Cap ETF	43.86
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	44.11
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	46.50
KWT	iShares MSCI Kuwait ETF	47.88
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	48.11
GXC	SPDR S&P China ETF	48.71
CNYA	iShares MSCI China A ETF	49.22

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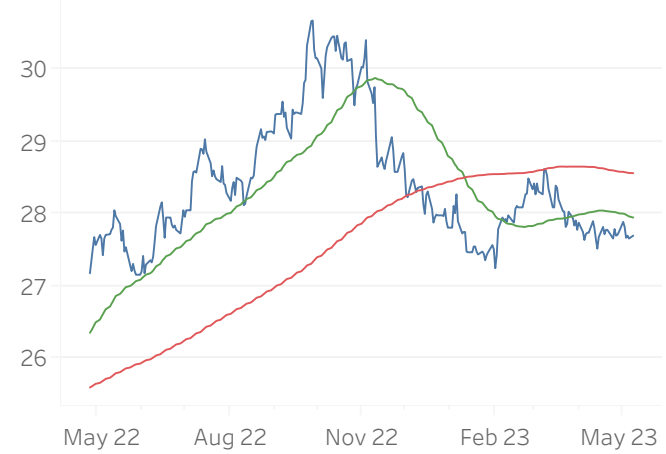
Fixed Income (AGG)



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	-0.55%	-1.08%	3.19%
SHY	1-3 Year Treasury Bonds	-0.16%	-0.09%	1.97%
IEF	7-10 Year Treasury Bonds	-0.61%	-1.15%	4.34%
TLT	20+ Year Treasury Bonds	-1.40%	-4.46%	4.94%
TIP	TIPS Bonds	-0.37%	-1.09%	3.41%
FLOT	Floating Rate Bonds	-0.10%	0.88%	1.92%
LQD	Investment Grade Corporate	-0.72%	-1.99%	3.56%
HYG	High Yield Corporate	-0.28%	0.05%	3.27%
BKLN	Senior Loan	-0.05%	0.50%	4.04%
PFF	Preferred & Income Securities	0.10%	-3.62%	-0.17%
MUB	Municipal Bonds	-0.26%	-0.84%	2.46%
MBB	MBS	-0.52%	-0.94%	2.79%
EMB	Dollar Denominated EM Bonds	-0.40%	-0.80%	2.19%
LEMB	Local Currency EM Bond	-0.03%	1.36%	5.24%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.62%	-2.51%	-7.95%
DBE	Energy	1.66%	-7.69%	-13.67%
USO	WTI Crude Oil	1.95%	-8.54%	-8.34%
BNO	Brent Crude Oil	1.86%	-9.07%	-8.91%
UNG	Natural Gas	5.83%	1.87%	-53.69%
UGA	Gasoline	2.88%	-10.82%	-5.48%
DBP	Precious Metals	-0.02%	1.27%	9.62%
GLD	Gold	0.12%	0.64%	10.64%
SLV	Silver	-0.34%	2.62%	6.68%
PPLT	abrdn Physical Platin..	1.18%	6.14%	-0.18%
PALL	abrdn Physical Palla..	3.93%	6.23%	-12.82%
DBB	Base Metals	0.31%	-1.83%	-0.93%
CPER	Copper	0.77%	-1.98%	4.35%
LD	Lead	0.15%	0.74%	-7.72%
JJN	Nickel	0.77%	8.29%	-16.50%
JJU	Aluminum	0.04%	-0.67%	-3.86%
JJT	Tin	-0.34%	7.51%	5.35%
DBA	Agriculture	-0.57%	1.26%	3.77%
CORN	Corn	-0.80%	-4.65%	-12.40%
SOYB	Soybeans	-0.44%	-1.90%	-6.96%
WEAT	Wheat	-0.76%	-5.07%	-17.79%
CANE	Sugar	-1.36%	12.44%	44.18%
BAL	Cotton	-0.96%	0.33%	0.72%
NIB	Cocoa	1.15%	5.97%	20.07%
JO	Coffee	-1.88%	1.38%	13.06%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.14%	-0.14%	-0.40%
UDN	Short Dollar	0.05%	0.58%	2.76%
FXE	Euro	-0.14%	0.85%	3.17%
FXB	British Pound Sterling	-0.13%	1.59%	5.32%
FXF	Swiss Franc	0.07%	1.65%	3.74%
FXJ	Japanese Yen	-0.25%	-2.46%	-3.04%
FXC	Canadian Dollar	0.11%	0.99%	1.91%
FXA	Australian Dollar	0.46%	1.71%	-0.13%

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