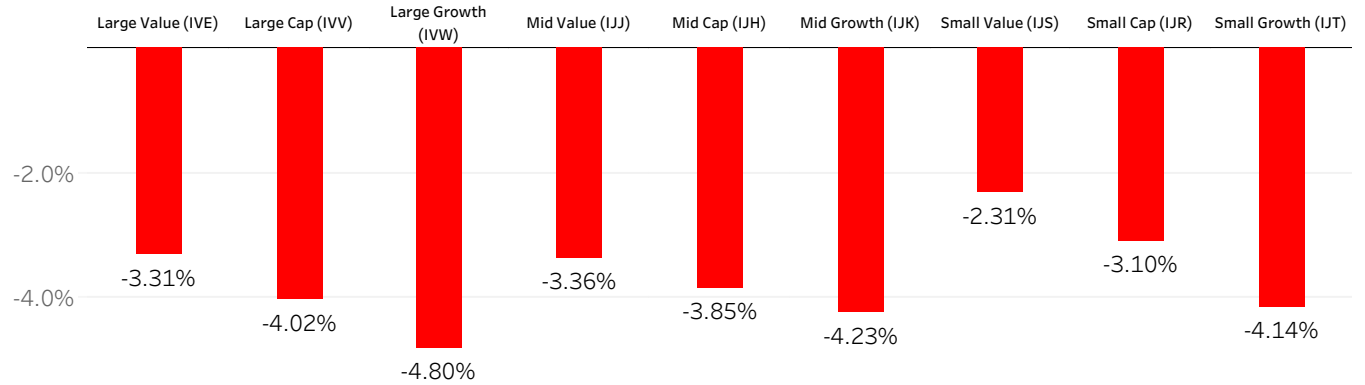


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
RBUS	Nationwide Risk-Based U.S. Equity ETF	0.28%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.03%
PTLC	Pacer Trendpilot US Large Cap ETF	0.03%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.04%
MXDU	Nationwide Maximum Diversification US Core Equity ETF	-0.05%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.56%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	-0.82%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	-0.92%
ABEQ	Absolute Core Strategy ETF	-1.78%

Size & Style Most Overbought

Ticker	Fund	Value
FDL	First Trust Morningstar Dividend Leaders Index Fund	50.72
PEY	Invesco High Yield Equity Dividend Achievers ETF	49.17
RBUS	Nationwide Risk-Based U.S. Equity ETF	49.14
DHS	WisdomTree U.S. High Dividend Fund	49.03
WBIY	WBI Power Factor High Dividend ETF	48.48
PTMC	Pacer Trendpilot US Mid Cap ETF	48.23
HDV	iShares Core High Dividend ETF	47.85
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	47.38
ONOF	Global X Adaptive U.S. Risk Management ETF	47.32
DIVZ	TrueShares Low Volatility Equity Income ETF	47.17

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
CALF	Pacer US Small Cap Cash Cows 100 ETF	-5.34%
QVAL	Alpha Architect U.S. Quantitative Value ETF	-5.22%
QGRO	American Century STOXX U.S. Quality Growth ETF	-5.14%
QQQ	Invesco QQQ Trust	-4.91%
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	-4.91%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	-4.88%
QQQM	Invesco NASDAQ 100 ETF	-4.85%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-4.84%
IWY	iShares Russell Top 200 Growth ETF	-4.81%
IVW	iShares S&P 500 Growth ETF	-4.80%

Size & Style Most Oversold

Ticker	Fund	Value
PABU	iShares Paris-Aligned Climate MSCI USA ETF	17.28
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	26.12
ACSI	American Customer Satisfaction ETF	28.78
MXDU	Nationwide Maximum Diversification US Core Equit..	29.50
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	31.22
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	31.22
LCG	Sterling Capital Focus Equity ETF	31.48
SPC	CrossingBridge Pre-Merger SPAC ETF	32.19
PTNQ	Pacer Trendpilot 100 ETF	32.41
QLV	FlexShares US Quality Low Volatility Index Fund	32.61

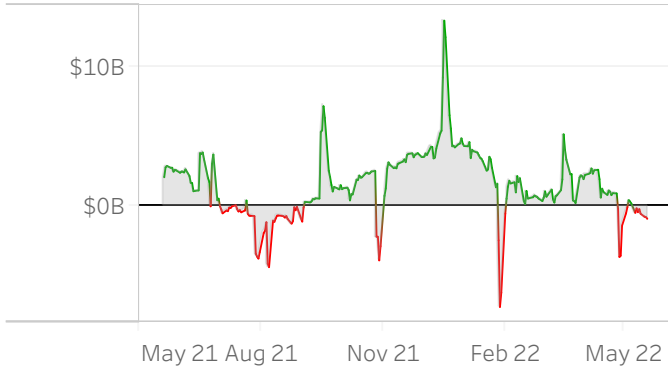
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

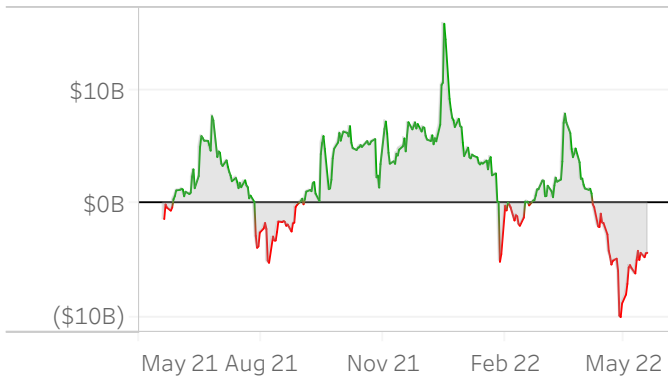
Large-Cap 30-Day Rolling Flows



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 Growth, Beta	25	\$1,206B	\$3.62B	(\$1.68B)	\$36.34B	\$120.48B
Large Cap, Beta Growth, Beta: Growth	10	\$218B	\$0.86B	\$4.80B	\$6.78B	\$15.17B
Large Cap, Beta Growth, Beta: Value	11	\$221B	\$0.78B	\$3.75B	\$16.52B	\$26.80B
Mid Cap, Beta, Beta	10	\$176B	\$0.01B	\$2.23B	\$7.22B	\$10.81B
Mid Cap, Beta, Beta: Growth	6	\$31B	\$0.10B	(\$0.19B)	(\$0.75B)	(\$0.32B)
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.09B)	(\$0.90B)	(\$0.22B)	(\$0.15B)
Small Cap, Beta, Beta	13	\$193B	(\$0.29B)	(\$1.87B)	(\$1.18B)	\$10.50B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.05B	\$0.29B	\$0.67B	\$1.25B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.10B)	(\$4.39B)	(\$3.23B)	(\$3.02B)

U.S. Size & Style Flow Leaders

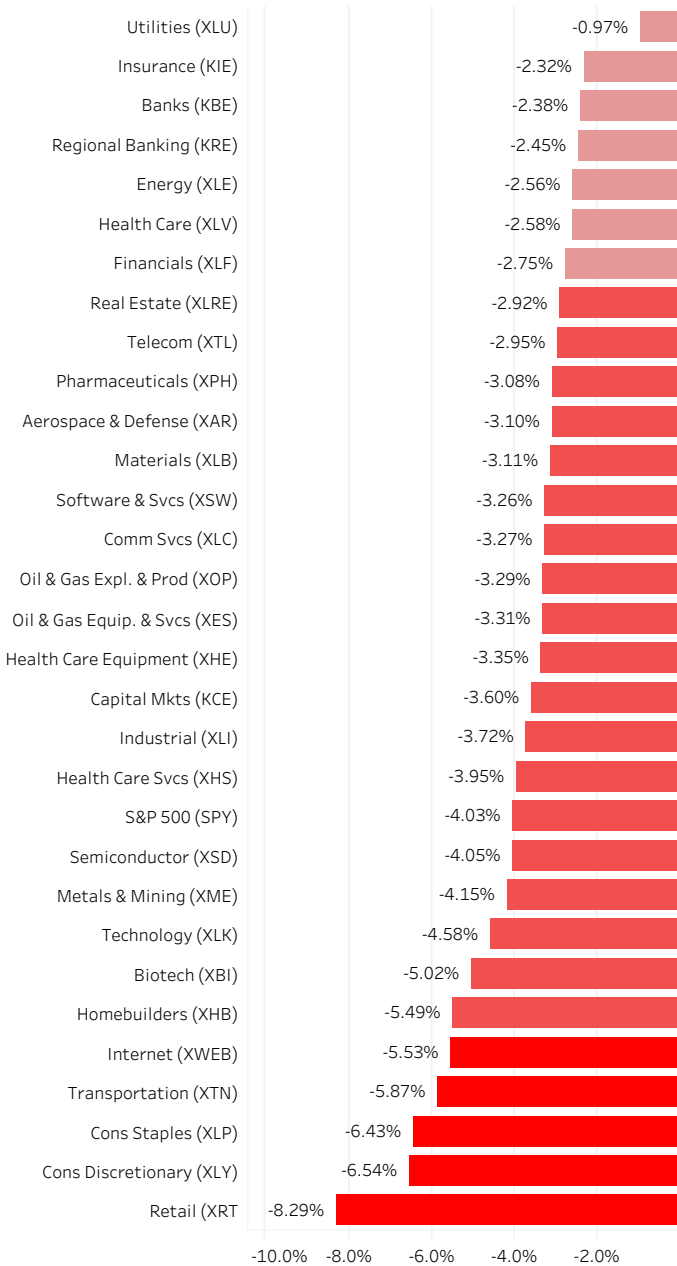
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$4.98B	(\$3.33B)	\$10.96B	\$24.79B	\$295.17B
IWF	iShares Russell 1000 Growth ETF	\$0.76B	\$0.52B	\$0.41B	\$0.22B	\$60.99B
VTV	Vanguard Value ETF	\$0.64B	\$3.32B	\$11.83B	\$18.02B	\$100.81B
VOO	Vanguard S&P 500 ETF	\$0.55B	(\$2.16B)	\$14.88B	\$40.03B	\$255.56B
QQQ	Invesco QQQ Trust	\$0.49B	\$5.95B	\$6.99B	\$24.06B	\$166.78B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.35B	\$0.91B	\$3.50B	\$4.54B	\$31.80B
HDV	iShares Core High Dividend ETF	\$0.32B	\$1.86B	\$2.43B	\$2.82B	\$10.67B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.28B	\$0.89B	\$1.60B	\$2.24B	\$14.65B
COWZ	Pacer US Cash Cows 100 ETF	\$0.26B	\$3.08B	\$4.25B	\$4.71B	\$5.50B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.23B	\$1.10B	\$1.29B	\$1.87B	\$10.40B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$2.36B)	(\$2.81B)	(\$2.44B)	\$17.76B	\$365.33B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.26B)	\$0.46B	\$1.58B	\$3.75B	\$13.34B
VTI	Vanguard Total Stock Market ETF	(\$0.21B)	\$5.49B	\$17.51B	\$39.50B	\$262.87B
IWM	iShares Russell 2000 ETF	(\$0.21B)	(\$0.65B)	(\$4.25B)	(\$0.76B)	\$54.48B
VTWO	Vanguard Russell 2000 ETF	(\$0.20B)	(\$0.36B)	\$0.27B	\$1.78B	\$5.67B
IVE	iShares S&P 500 Value ETF	(\$0.16B)	\$0.69B	\$2.03B	\$1.92B	\$24.52B
IVW	iShares S&P 500 Growth ETF	(\$0.14B)	(\$0.45B)	(\$1.10B)	(\$0.55B)	\$30.12B
IWB	iShares Russell 1000 ETF	(\$0.13B)	\$0.58B	\$0.70B	\$0.24B	\$27.71B
IWN	iShares Russell 2000 Value ETF	(\$0.12B)	(\$1.66B)	(\$1.84B)	(\$3.07B)	\$12.44B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.12B)	(\$0.66B)	(\$2.53B)	(\$2.26B)	\$10.30B

* 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)
XLE	Energy Select Sector SPDR Fund	-2.56%	78.47%	5.34%	29.87%	56.42
XLU	Utilities Select Sector SPDR Fund	-6.85%	13.38%	-2.00%	3.62%	45.89
XLB	Materials Select Sector SPDR Fund	-9.46%	3.70%	-4.83%	-4.08%	41.64
XLV	Health Care Select Sector SPDR Fund	-10.42%	5.45%	-4.76%	-3.85%	41.77
XLP	Consumer Staples Select Sector SPDR Fund	-10.85%	4.40%	-6.16%	-3.15%	29.84
XLI	Industrial Select Sector SPDR Fund	-14.54%	0.00%	-7.45%	-10.09%	36.53
SPY	SPDR S&P 500 ETF Trust	-17.97%	0.00%	-9.05%	-12.24%	36.58
XLRE	Real Estate Select Sector SPDR Fund	-19.05%	0.50%	-10.76%	-11.36%	32.40
XLF	Financial Select Sector SPDR Fund	-19.85%	0.45%	-9.54%	-13.60%	35.97
XLK	Technology Select Sector SPDR Fund	-25.15%	0.56%	-10.55%	-16.01%	39.08
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.46%	0.00%	-17.18%	-23.22%	31.89
XLC	Communication Services Select Sector SPDR Fund	-32.66%	1.60%	-10.20%	-22.09%	39.78

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FXU	First Trust Utilities AlphaDEX Fund	-0.68%
FUTY	Fidelity MSCI Utilities Index ETF	-0.86%
VPU	Vanguard Utilities ETF	-0.92%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.96%
PUI	Invesco DWA Utilities Momentum ETF	-0.97%
XLU	Utilities Select Sector SPDR Fund	-0.97%
EMLP	First Trust North American Energy Infrastructure ..	-1.10%
IDU	iShares U.S. Utilities ETF	-1.13%
IFRA	iShares U.S. Infrastructure ETF	-1.43%
KBWP	Invesco KBW Property & Casualty Insurance ETF	-1.47%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLE	Energy Select Sector SPDR Fund	56.42
IYE	iShares U.S. Energy ETF	55.31
VDE	Vanguard Energy ETF	55.18
FENY	Fidelity MSCI Energy Index ETF	55.13
RYE	Invesco S&P 500 Equal Weight Energy ETF	55.11
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	54.61
FXN	First Trust Energy AlphaDEX Fund	53.60
PXE	Invesco Dynamic Energy Exploration & Production ETF	52.74
FTXN	First Trust Nasdaq Oil & Gas ETF	52.30
TPYP	Tortoise North American Pipeline Fund	52.16

Sector & Industry 1 Day Performance Laggards

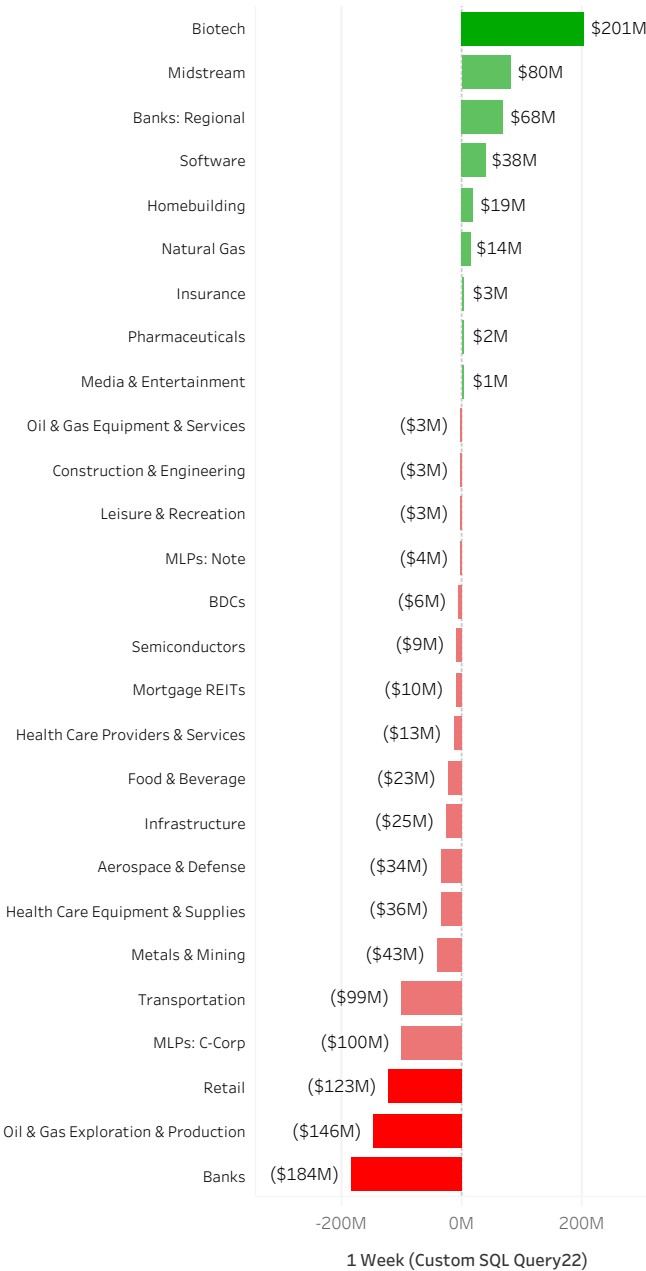
Ticker	Fund	1 Day Performance
XRT	SPDR S&P Retail ETF	-8.29%
XLY	Consumer Discretionary Select Sector SPDR Fund	-6.54%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-6.47%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-6.47%
XLP	Consumer Staples Select Sector SPDR Fund	-6.43%
FTXG	First Trust Nasdaq Food & Beverage ETF	-6.43%
VCR	Vanguard Consumer Discretionary ETF	-6.37%
VDC	Vanguard Consumer Staples ETF	-6.27%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-6.23%
IYC	iShares U.S. Consumer Discretionary ETF	-6.22%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	28.87
VDC	Vanguard Consumer Staples ETF	28.99
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	29.08
PBJ	Invesco Dynamic Food & Beverage ETF	29.18
XLP	Consumer Staples Select Sector SPDR Fund	29.84
NURE	Nuveen Short-Term REIT ETF	30.29
REZ	iShares Residential and Multisector Real Estate ETF	30.47
RWR	SPDR Dow Jones REIT ETF	31.52
IYC	iShares U.S. Consumer Discretionary ETF	31.54
XLY	Consumer Discretionary Select Sector SPDR Fund	31.89

* 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	9	\$14B	(\$139M)	(\$778M)	(\$1,833M)	(\$91M)
Consumer Discretionary	13	\$24B	(\$325M)	(\$2,149M)	(\$4,162M)	(\$4,502M)
Consumer Staples	12	\$28B	\$178M	\$2,767M	\$6,601M	\$6,960M
Energy	34	\$82B	(\$318M)	(\$1,112M)	\$5,274M	\$4,735M
Financials	28	\$65B	(\$1,072M)	(\$13,781M)	(\$6,928M)	(\$7,537M)
Health Care	26	\$87B	\$322M	\$4,406M	\$7,651M	\$11,544M
Industrial	14	\$30B	(\$393M)	(\$591M)	(\$1,851M)	(\$6,176M)
Materials	10	\$18B	(\$163M)	\$1,281M	\$962M	(\$356M)
Multi-Sector	18	\$15B	\$39M	(\$3,309M)	(\$4,569M)	(\$3,685M)
Real Estate	23	\$71B	(\$84M)	(\$3,257M)	\$137M	\$8,146M
Technology	24	\$123B	\$351M	\$1,040M	\$826M	\$6,532M
Utilities	10	\$25B	\$562M	\$2,576M	\$3,816M	\$4,577M

U.S. Sector & Industry Flow Leaders

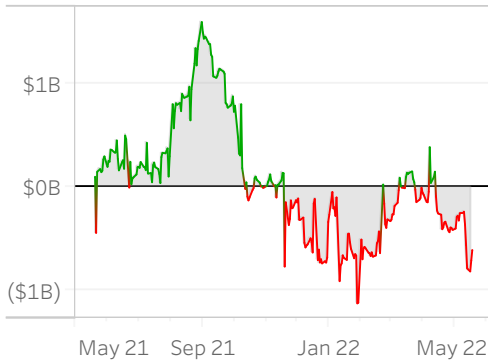
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	\$301M	\$1,676M	\$2,501M	\$2,972M	\$15,958M
VGT	Vanguard Information Technology ETF	\$299M	\$1,020M	\$237M	\$2,102M	\$43,462M
FUTY	Fidelity MSCI Utilities Index ETF	\$203M	\$640M	\$670M	\$741M	\$1,913M
XLV	Health Care Select Sector SPDR Fund	\$165M	\$3,727M	\$5,451M	\$8,631M	\$37,768M
XBI	SPDR S&P BIOTECH ETF	\$156M	\$984M	\$2,238M	\$2,780M	\$6,004M
XHB	SPDR S&P Homebuilders ETF	\$91M	(\$391M)	(\$411M)	(\$636M)	\$1,212M
XLP	Consumer Staples Select Sector SPDR Fund	\$88M	\$971M	\$4,056M	\$4,210M	\$16,464M
IYK	iShares U.S. Consumer Staples ETF	\$83M	\$307M	\$508M	\$500M	\$1,301M
KRE	SPDR S&P Regional Banking ETF	\$81M	(\$1,100M)	(\$489M)	(\$988M)	\$3,887M
EMLP	First Trust North American Energy Infrastructu..	\$71M	\$211M	\$244M	\$307M	\$2,595M

U.S. Sector & Industry Flow Laggards

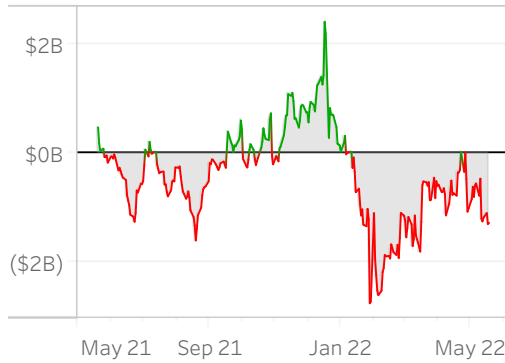
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$733M)	(\$8,246M)	(\$4,012M)	(\$5,883M)	\$34,277M
XLE	Energy Select Sector SPDR Fund	(\$230M)	(\$2,295M)	\$906M	\$840M	\$40,506M
KBWB	Invesco KBW Bank ETF	(\$190M)	(\$853M)	(\$281M)	(\$97M)	\$2,106M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$171M)	(\$496M)	\$96M	(\$844M)	\$5,045M
XLI	Industrial Select Sector SPDR Fund	(\$158M)	(\$1,701M)	(\$2,267M)	(\$5,268M)	\$13,893M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$155M)	(\$474M)	(\$1,503M)	(\$1,525M)	\$16,030M
IYG	iShares US Financial Services ETF	(\$150M)	(\$258M)	(\$221M)	\$185M	\$1,956M
XRT	SPDR S&P Retail ETF	(\$123M)	(\$119M)	(\$731M)	(\$281M)	\$332M
XLC	Communication Services Select Sector SPDR Fu..	(\$100M)	(\$582M)	(\$1,427M)	(\$546M)	\$9,804M
AMPLP	Alerian MLP ETF	(\$95M)	\$96M	\$433M	\$354M	\$6,545M

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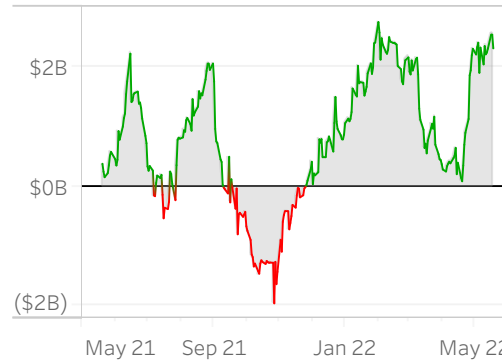
Communication Services



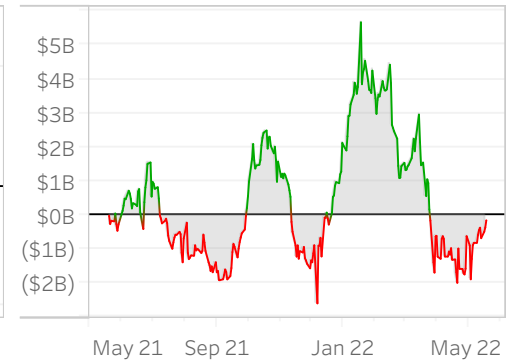
Consumer Discretionary



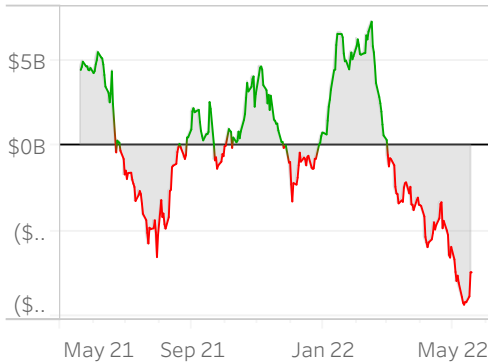
Consumer Staples



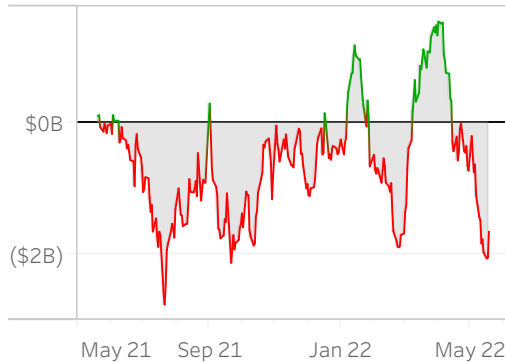
Energy



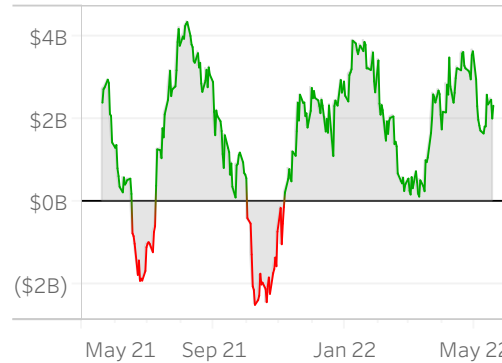
Financials



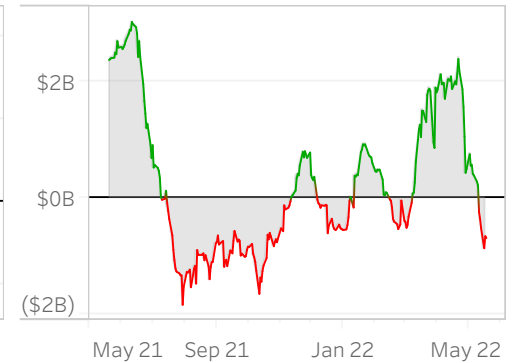
Industrial



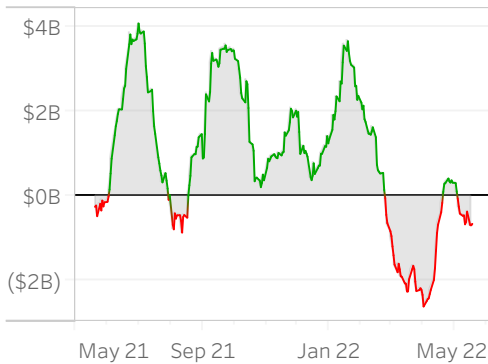
Health Care



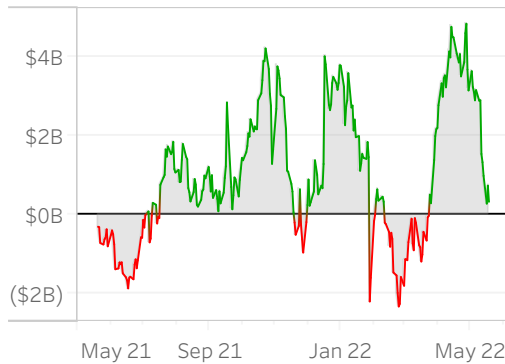
Materials



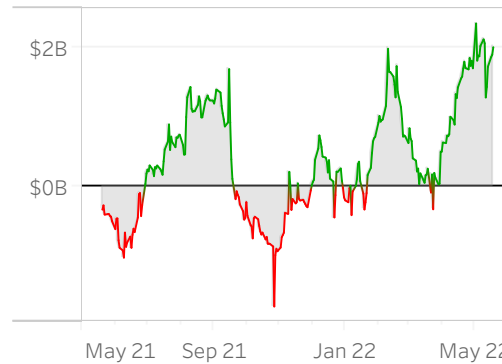
Real Estate



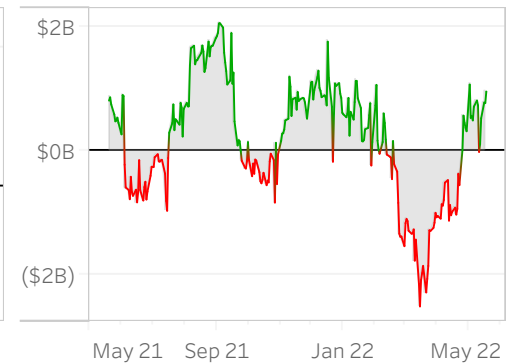
Technology



Utilities

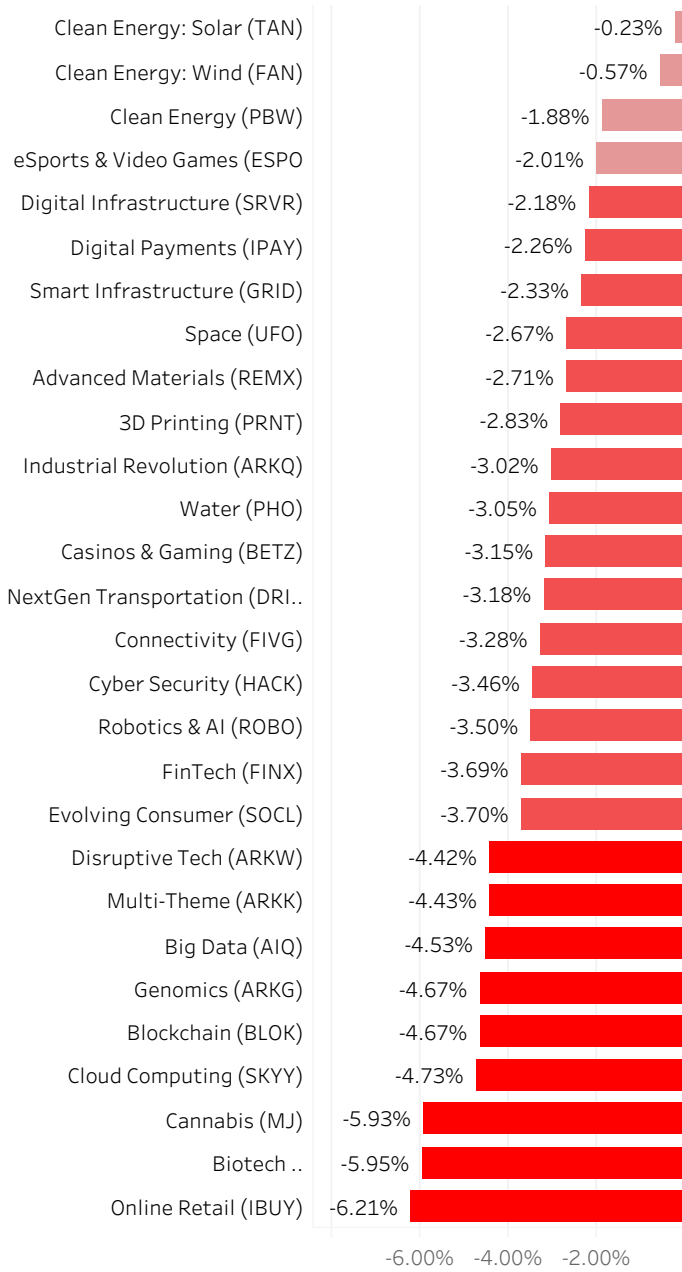


Multi-Sector

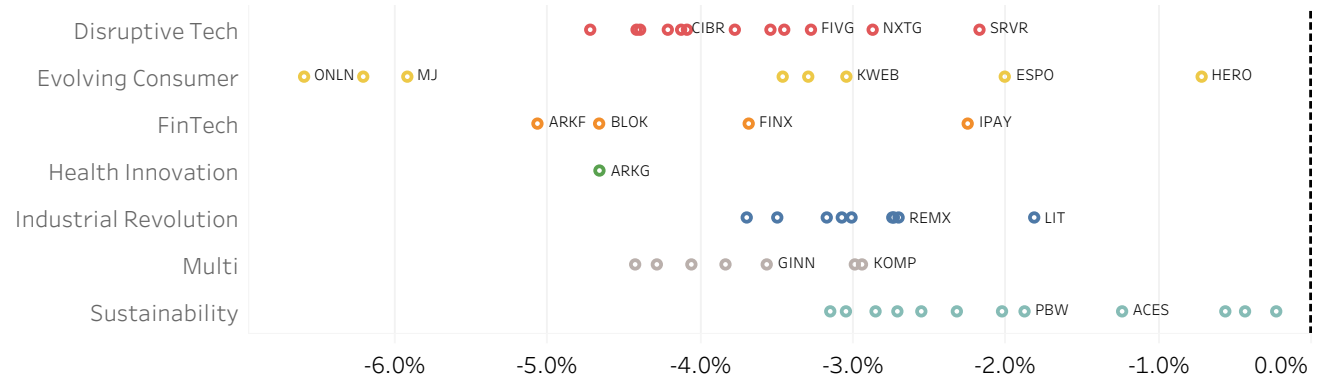


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
TAN	Invesco Solar ETF	-0.23%
ICLN	iShares Global Clean Energy ETF	-0.44%
CTEC	Global X CleanTech ETF	-0.45%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.45%
FAN	First Trust Global Wind Energy ETF	-0.57%
HERO	Global X Video Games & Esports ETF	-0.72%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.80%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-1.05%
ACES	ALPS Clean Energy ETF	-1.24%
PBD	Invesco Global Clean Energy ETF	-1.45%

Thematic Most Overbought

Ticker	Fund	Value
KGRN	KraneShares MSCI China Clean Technology Index ETF	52.58
LIT	Global X Lithium & Battery Tech ETF	52.26
KSTR	KraneShares SSE STAR Market 50 Index ETF	48.90
KWEB	KraneShares CSI China Internet ETF	48.84
TAN	Invesco Solar ETF	47.03
CNRG	SPDR S&P Kensho Clean Power ETF	46.74
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	46.29
ESPO	VanEck Video Gaming and eSports ETF	46.26
HERO	Global X Video Games & Esports ETF	46.18
REMX	VanEck Rare Earth/Strategic Metals ETF	45.82

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-7.30%
BKCH	Global X Blockchain ETF	-6.88%
ONLN	ProShares Online Retail ETF	-6.60%
IBUY	Amplify Online Retail ETF	-6.21%
SBIO	ALPS Medical Breakthroughs ETF	-5.95%
MJ	ETFMG Alternative Harvest ETF	-5.93%
YOLO	AdvisorShares Pure Cannabis ETF	-5.41%
MILN	Global X Millennial Consumer ETF	-5.38%
EBIZ	Global X E-Commerce ETF	-5.36%
ARKF	ARK Fintech Innovation ETF	-5.07%

Thematic Most Oversold

Ticker	Fund	Value
BKCH	Global X Blockchain ETF	27.64
MSOS	AdvisorShares Pure US Cannabis ETF	27.68
YOLO	AdvisorShares Pure Cannabis ETF	28.43
BITQ	Bitwise Crypto Industry Innovators ETF	29.29
GBUY	Goldman Sachs Future Consumer Equity ETF	29.67
BUG	Global X Cybersecurity ETF	30.44
CIBR	First Trust NASDAQ Cybersecurity ETF	31.29
HACK	ETFMG Prime Cyber Security ETF	31.55
BLOK	Amplify Transformational Data Sharing ETF	31.81
CNBS	Amplify Seymour Cannabis ETF	32.19

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$550M
ARKK	ARK Innovation ETF	\$203M
ARKG	ARK Genomic Revolution ETF	\$48M
GNOM	Global X Genomics & Biotechnology ETF	\$41M
WCLD	WisdomTree Cloud Computing Fund	\$17M
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$10M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$7M
TARK	AXS 2X Innovation ETF	\$4M
FRNW	Fidelity Clean Energy ETF	\$2M
MSOS	AdvisorShares Pure US Cannabis ETF	\$2M

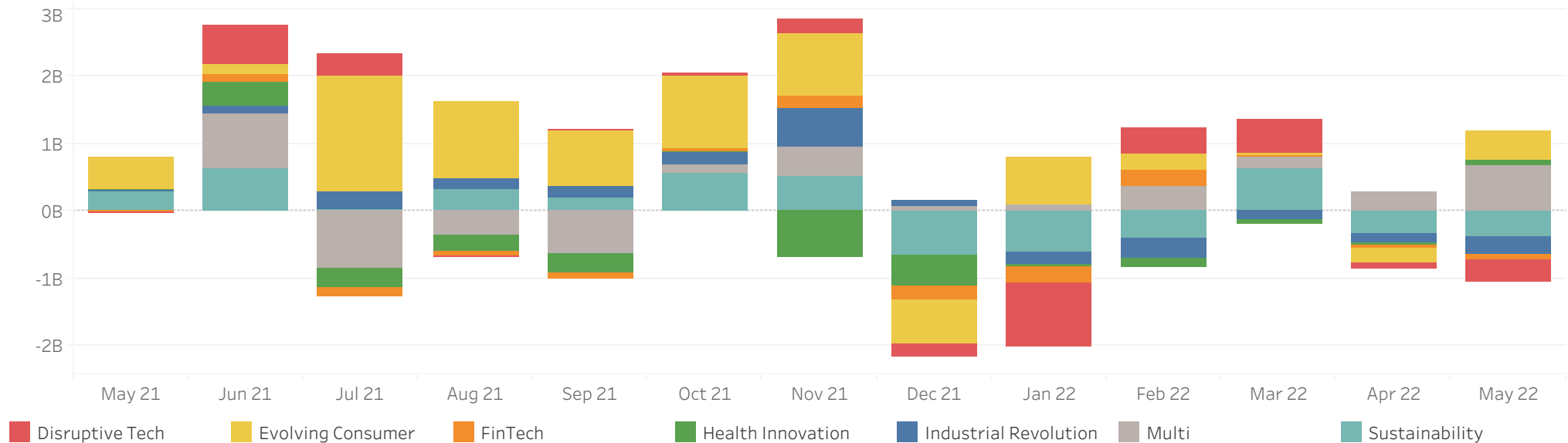
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	(\$95M)
SKYY	First Trust Cloud Computing ETF	(\$70M)
LIT	Global X Lithium & Battery Tech ETF	(\$42M)
TAN	Invesco Solar ETF	(\$41M)
HACK	ETFMG Prime Cyber Security ETF	(\$39M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$39M)
ONLN	ProShares Online Retail ETF	(\$37M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$32M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$28M)
METV	Roundhill Ball Metaverse ETF	(\$23M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$205M)	\$190M	(\$635M)	\$487M
Evolving Consumer	48	\$11B	\$430M	\$205M	\$425M	\$6,850M
FinTech	24	\$3B	(\$28M)	(\$22M)	(\$297M)	(\$267M)
Health Innovation	19	\$4B	\$62M	(\$36M)	(\$879M)	(\$1,713M)
Industrial Revolution	32	\$13B	(\$128M)	(\$569M)	(\$782M)	\$500M
Multi	42	\$16B	\$217M	\$1,612M	\$1,830M	\$1,226M
Sustainability	41	\$17B	(\$204M)	(\$239M)	(\$1,710M)	\$799M
Grand Total	241	\$83B	\$143M	\$1,142M	(\$2,049M)	\$7,882M

Thematic Monthly Flows

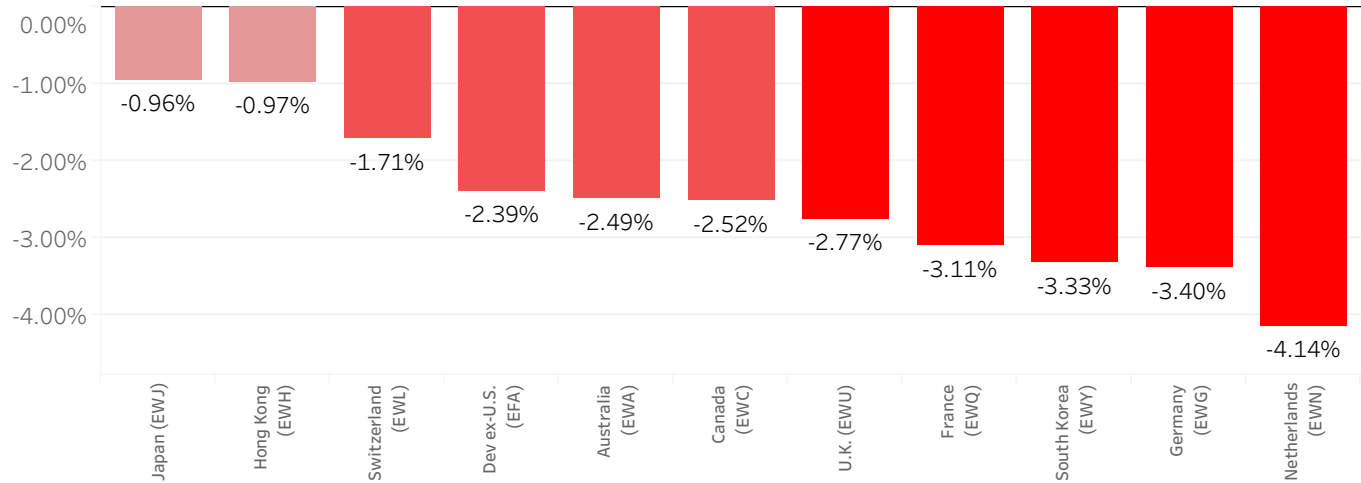


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



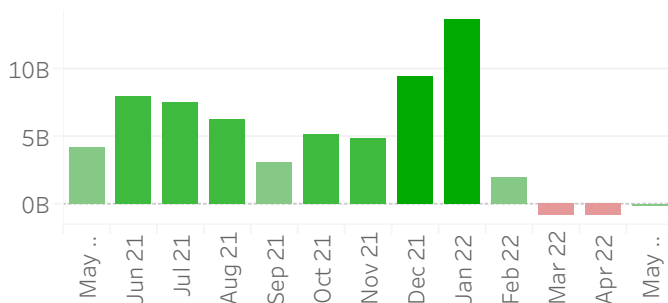
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PTIN	Pacer Trendpilot International ETF	0.00%
EWJV	iShares MSCI Japan Value ETF	-0.20%
RBIN	Nationwide Risk-Based International Equity ETF	-0.43%
ENZL	iShares MSCI New Zealand ETF	-0.73%
CIL	VictoryShares International Volatility Wtd ETF	-0.77%
EWJ	iShares MSCI Japan ETF	-0.96%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.97%
WPS	iShares International Developed Property ETF	-0.97%
EWH	iShares MSCI Hong Kong ETF	-0.97%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.00%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
LVHI	Legg Mason International Low Volatility High Dividend ETF	49.67
EWH	iShares MSCI Hong Kong ETF	48.85
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	48.04
EWP	iShares MSCI Spain ETF	47.28
HEDJ	WisdomTree Europe Hedged Equity Fund	47.14
FDD	First Trust Stoxx European Select Dividend Index Fund	47.01
HEZU	iShares Currency Hedged MSCI Eurozone ETF	46.75
IDOG	ALPS International Sector Dividend Dogs ETF	46.71
HEWG	iShares Currency Hedged MSCI Germany ETF	46.47
AIVI	WisdomTree International AI Enhanced Value Fund	46.42

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	-5.48%
EWN	iShares MSCI Netherlands ETF	-4.14%
TOK	iShares MSCI Kokusai ETF	-3.65%
FEZ	SPDR EURO STOXX 50 ETF	-3.45%
EIS	iShares MSCI Israel ETF	-3.43%
FLKR	Franklin FTSE South Korea ETF	-3.42%
EWG	iShares MSCI Germany ETF	-3.40%
EIRL	iShares MSCI Ireland ETF	-3.38%
EWY	iShares MSCI South Korea ETF	-3.33%
EWD	iShares MSCI Sweden ETF	-3.30%

Developed ex-U.S. Most Oversold

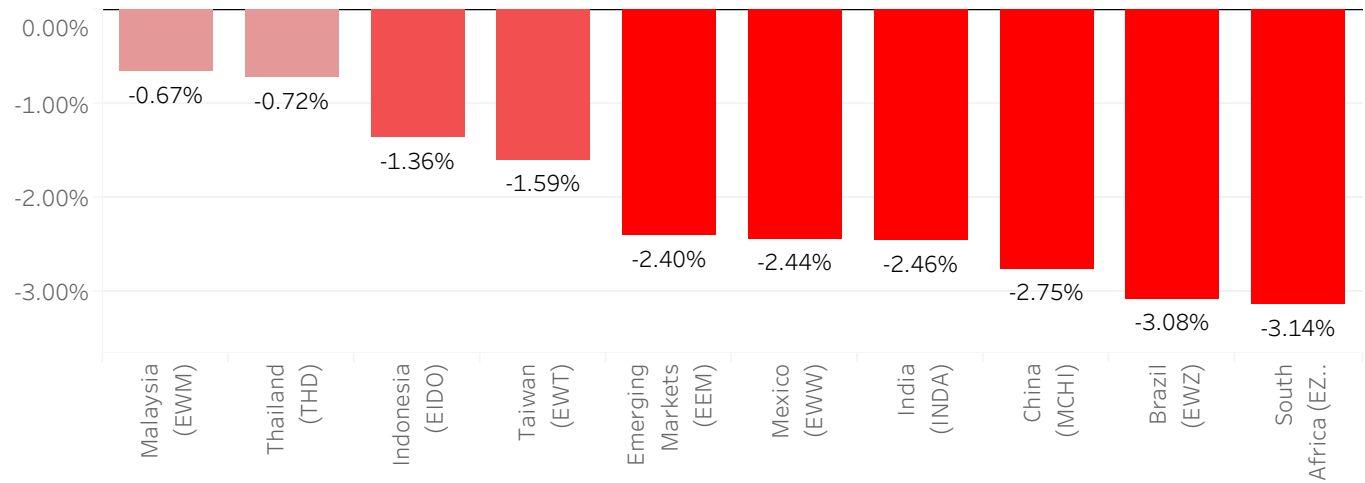
Ticker	Fund	Value
ENZL	iShares MSCI New Zealand ETF	28.70
PTIN	Pacer Trendpilot International ETF	31.40
FLSW	Franklin FTSE Switzerland ETF	34.90
EWL	iShares MSCI Switzerland ETF	35.42
WPS	iShares International Developed Property ETF	36.40
EFAV	iShares MSCI EAFE Min Vol Factor ETF	36.44
TOK	iShares MSCI Kokusai ETF	36.79
EFAD	ProShares MSCI EAFE Dividend Growers ETF	36.86
NORW	Global X MSCI Norway ETF	37.19
IDHQ	Invesco S&P International Developed High Quality E..	37.35

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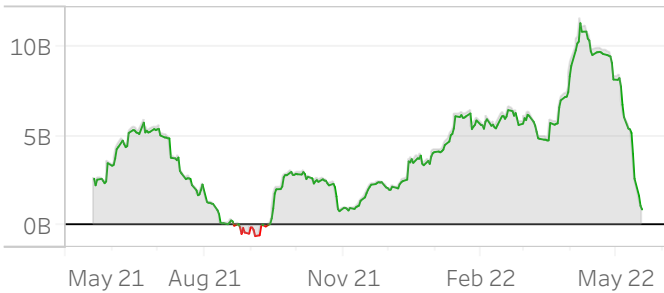
Emerging (EEM)



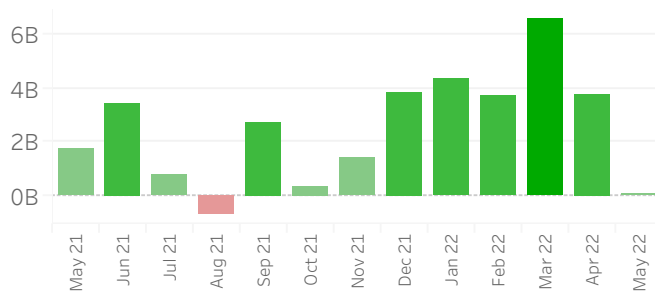
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	0.21%
QAT	iShares MSCI Qatar ETF	0.09%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.21%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	-0.43%
EWM	iShares MSCI Malaysia ETF	-0.67%
KSA	iShares MSCI Saudi Arabia ETF	-0.70%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.71%
THD	iShares MSCI Thailand ETF	-0.72%
IDX	VanEck Indonesia Index ETF	-1.18%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-1.28%

Emerging Most Overbought

Ticker	Fund	Price
ECH	iShares MSCI Chile ETF	55.22
EWZ	iShares MSCI Mexico ETF	47.02
PGJ	Invesco Golden Dragon China ETF	46.99
FXI	iShares China Large-Cap ETF	46.68
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	46.25
MCHI	iShares MSCI China ETF	46.00
EWZS	iShares MSCI Brazil Small-Cap ETF	45.91
FLCH	Franklin FTSE China ETF	45.63
ILF	iShares Latin America 40 ETF	45.44
GXC	SPDR S&P China ETF	44.99

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	-3.15%
EZA	iShares MSCI South Africa ETF	-3.14%
EWZ	iShares MSCI Brazil ETF	-3.08%
FNI	First Trust Chindia ETF	-2.98%
FLBR	Franklin FTSE Brazil ETF	-2.95%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.94%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.89%
GXC	SPDR S&P China ETF	-2.89%
EPOL	iShares MSCI Poland ETF	-2.86%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	-2.80%

Emerging Most Oversold

Ticker	Fund	Price
FM	iShares MSCI Frontier and Select EM ETF	22.07
KSA	iShares MSCI Saudi Arabia ETF	28.95
EPU	iShares MSCI Peru ETF	30.81
TUR	iShares MSCI Turkey ETF	31.08
EWM	iShares MSCI Malaysia ETF	31.68
GLIN	VanEck India Growth Leaders ETF	31.75
SMIN	iShares MSCI India Small Cap ETF	32.48
VNM	VanEck Vietnam ETF	32.59
IDX	VanEck Indonesia Index ETF	32.77
EPI	WisdomTree India Earnings Fund	32.79

* 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	0.40%	-0.85%	-9.52%
SHY	1-3 Year Treasury Bonds	0.05%	-0.10%	-2.76%
IEF	7-10 Year Treasury Bonds	0.71%	-0.02%	-10.06%
TLT	20+ Year Treasury Bonds	2.13%	-2.54%	-20.64%
TIP	TIPS Bonds	0.69%	-1.01%	-6.09%
FLOT	Floating Rate Bonds	-0.04%	-0.19%	-0.45%
LQD	Investment Grade Corporate	0.37%	-2.34%	-15.11%
HYG	High Yield Corporate	-0.82%	-4.76%	-11.31%
BKLN	Senior Loan	-0.85%	-3.69%	-4.42%
PFF	Preferred & Income Securities	-1.20%	-4.83%	-15.22%
MUB	Municipal Bonds	-0.05%	-2.48%	-9.39%
MBB	MBS	0.26%	-0.24%	-7.98%
EMB	Dollar Denominated EM Bonds	-0.64%	-5.05%	-17.55%
LEMB	Local Currency EM Bond	-0.35%	-5.53%	-12.49%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.73%	-4.81%	34.60%
DBE	Energy	-2.18%	-0.93%	50.06%
USO	WTI Crude Oil	-2.24%	-1.39%	45.86%
BNO	Brent Crude Oil	-1.97%	-2.89%	49.64%
UNG	Natural Gas	0.18%	5.01%	128.10%
UGA	Gasoline	-4.77%	11.12%	62.26%
DBP	Precious Metals	-0.14%	-10.42%	-3.04%
GLD	Gold	0.05%	-8.23%	-0.90%
SLV	Silver	-0.95%	-17.34%	-8.28%
PPLT	abrdrn Physical Platin..	-2.54%	-8.18%	-3.94%
PALL	abrdrn Physical Palla..	-3.47%	-18.53%	4.46%
DBB	Base Metals	-2.04%	-15.87%	-0.90%
CPER	Copper	-1.96%	-14.29%	-7.86%
LD	Lead	-3.30%	-15.77%	-9.62%
JJN	Nickel	-1.14%	-23.17%	26.27%
JJU	Aluminum	-2.27%	-14.98%	0.89%
JJT	Tin	-0.71%	-23.00%	-12.59%
DBA	Agriculture	-2.44%	-1.93%	13.42%
CORN	Corn	-2.38%	-2.31%	35.38%
SOYB	Soybeans	-1.66%	-2.41%	22.64%
WEAT	Wheat	-2.91%	7.53%	62.38%
CANE	Sugar	-0.50%	-1.88%	7.93%
BAL	Cotton	-3.79%	2.02%	33.82%
NIB	Cocoa	-1.45%	-3.61%	-5.47%
JO	Coffee	-4.69%	-2.04%	-2.87%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.51%	3.08%	8.35%
UDN	Short Dollar	-0.59%	-3.26%	-8.35%
FXE	Euro	-0.77%	-3.03%	-8.40%
FXB	British Pound Sterling	-1.05%	-5.14%	-8.83%
FXF	Swiss Franc	0.64%	-4.48%	-8.09%
FXJ	Japanese Yen	0.93%	-1.04%	-10.38%
FXC	Canadian Dollar	-0.59%	-2.10%	-2.05%
FXA	Australian Dollar	-0.79%	-5.35%	-4.37%

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