

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

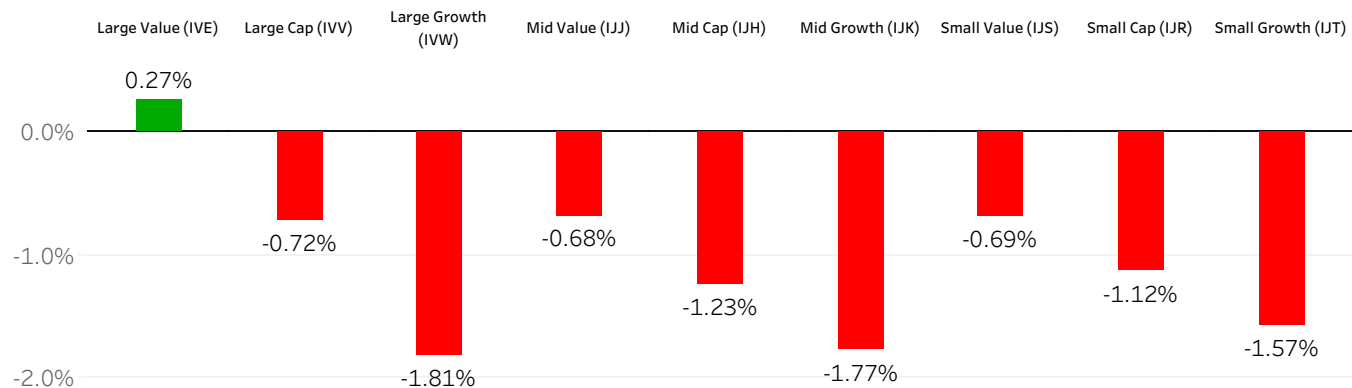


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SIXL	ETC 6 Meridian Low Beta Equity ETF	1.91%
DIV	Global X SuperDividend US ETF	1.43%
QVML	Invesco S&P 500 QVM Multi-factor ETF	1.32%
SPLV	Invesco S&P 500 Low Volatility ETF	1.31%
ALTL	Pacer Lunt Large Cap Alternator ETF	1.24%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	1.20%
FDL	First Trust Morningstar Dividend Leaders Index Fund	1.19%
LVHD	Legg Mason Low Volatility High Dividend ETF	1.14%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	1.14%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	1.13%

Size & Style Most Overbought

Ticker	Fund	Price
FDL	First Trust Morningstar Dividend Leaders Index Fund	56.46
DIVZ	TrueShares Low Volatility Equity Income ETF	54.27
DHS	WisdomTree U.S. High Dividend Fund	54.14
HDV	iShares Core High Dividend ETF	53.93
PEY	Invesco High Yield Equity Dividend Achievers ETF	53.08
DIV	Global X SuperDividend US ETF	52.09
DVY	iShares Select Dividend ETF	51.69
ONOF	Global X Adaptive U.S. Risk Management ETF	51.17
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	51.13
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	50.75

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-6.44%
BUZZ	VanEck Social Sentiment ETF	-5.87%
MMLG	First Trust Multi-Manager Large Growth ETF	-3.70%
SPHB	Invesco S&P 500 High Beta ETF	-3.50%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	-3.29%
LCG	Sterling Capital Focus Equity ETF	-3.06%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-2.94%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-2.88%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-2.82%
IWP	iShares Russell Mid-Cap Growth ETF	-2.79%

Size & Style Most Oversold

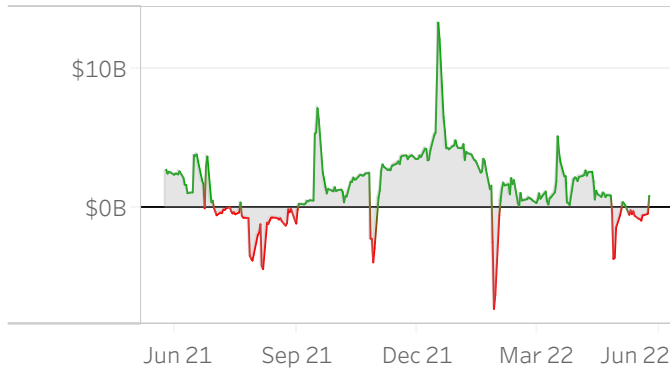
Ticker	Fund	Price
PABU	iShares Paris-Aligned Climate MSCI USA ETF	19.58
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	22.46
SPC	CrossingBridge Pre-Merger SPAC ETF	30.12
MXDU	Nationwide Maximum Diversification US Core Equit..	31.57
ACSI	American Customer Satisfaction ETF	32.50
PTNQ	Pacer Trendpilot 100 ETF	33.31
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	33.64
RUFF	Alpha Dog ETF	33.75
TMFS	Motley Fool Small-Cap Growth ETF	34.87
IPO	Renaissance IPO ETF	34.98

*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	\$1,159B	\$4.89B	\$3.43B	\$43.59B	\$125.47B
Large Cap, Beta Growth, Beta: Growth	10	\$210B	\$1.49B	\$6.62B	\$8.05B	\$16.76B
Large Cap, Beta Growth, Beta: Value	11	\$215B	\$0.69B	\$4.00B	\$16.90B	\$26.47B
Mid Cap, Beta, Beta	10	\$170B	\$0.10B	\$2.82B	\$6.67B	\$10.53B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.20B	\$0.05B	(\$0.61B)	\$0.03B
Mid Cap, Beta, Beta: Value	6	\$39B	\$0.01B	(\$1.20B)	(\$0.26B)	(\$0.29B)
Small Cap, Beta, Beta	13	\$182B	(\$3.44B)	(\$5.48B)	(\$4.35B)	\$7.30B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.04B	\$0.38B	\$0.66B	\$1.32B
Small Cap, Beta, Beta: Value	7	\$50B	\$1.19B	(\$3.08B)	(\$2.16B)	(\$1.91B)

U.S. Size & Style Flow Leaders

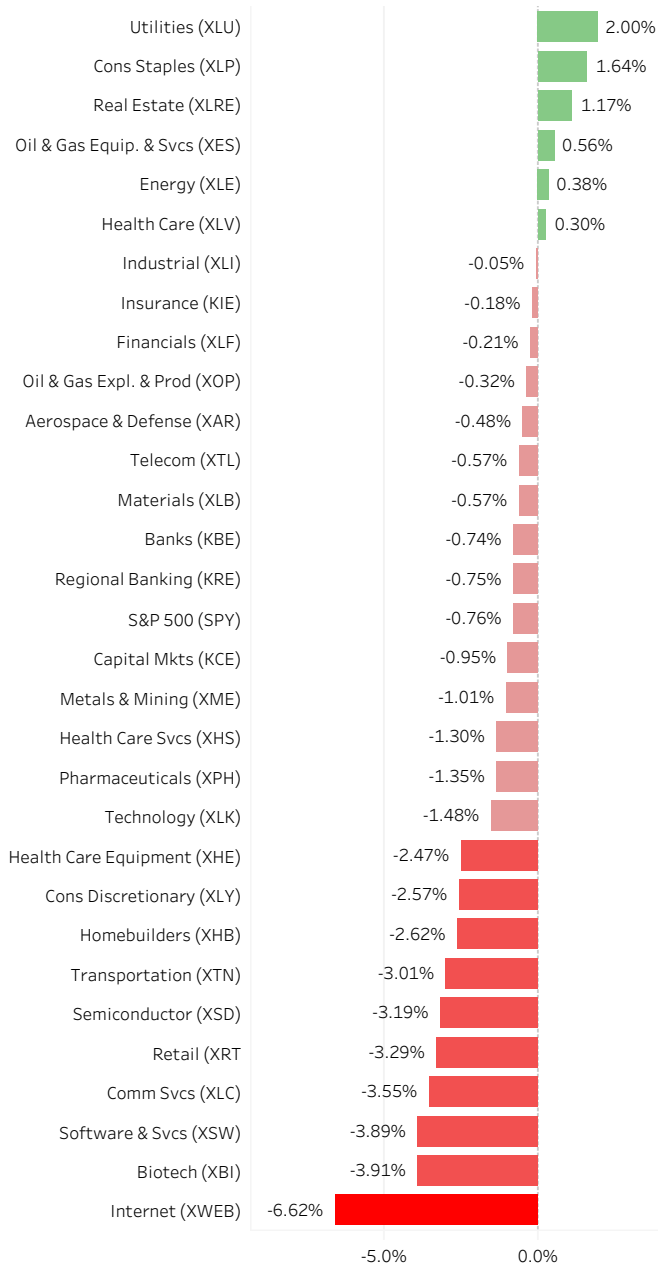
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$3.48B	\$2.64B	\$2.73B	\$23.81B	\$352.20B
HDV	iShares Core High Dividend ETF	\$1.74B	\$3.60B	\$4.16B	\$4.55B	\$12.05B
IJS	iShares S&P Small-Cap 600 Value ETF	\$1.27B	(\$0.04B)	\$0.22B	(\$0.03B)	\$8.18B
VOO	Vanguard S&P 500 ETF	\$0.75B	(\$2.50B)	\$15.73B	\$40.21B	\$249.25B
IWF	iShares Russell 1000 Growth ETF	\$0.39B	\$0.91B	\$1.19B	\$0.65B	\$58.14B
VUG	Vanguard Growth ETF	\$0.36B	\$3.11B	\$4.35B	\$6.53B	\$69.10B
IVV	iShares Core S&P 500 ETF	\$0.31B	(\$1.87B)	\$11.95B	\$25.35B	\$282.05B
IVE	iShares S&P 500 Value ETF	\$0.31B	\$0.90B	\$2.32B	\$2.08B	\$23.90B
IVW	iShares S&P 500 Growth ETF	\$0.30B	\$0.28B	(\$0.85B)	(\$0.13B)	\$28.80B
IWD	iShares Russell 1000 Value ETF	\$0.24B	(\$0.25B)	(\$0.07B)	\$1.25B	\$52.84B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.77B)	(\$2.41B)	(\$5.99B)	(\$2.01B)	\$50.74B
IJR	iShares Core S&P Small Cap ETF	(\$1.51B)	(\$1.17B)	\$0.61B	\$2.30B	\$62.10B
VLUE	iShares MSCI USA Value Factor ETF	(\$1.04B)	(\$1.88B)	(\$4.62B)	(\$5.50B)	\$9.88B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.67B)	\$0.91B	\$2.05B	\$6.98B	\$21.67B
DFAC	Dimensional U.S. Core Equity 2 ETF	(\$0.18B)	\$0.67B	\$1.39B	\$2.05B	\$13.81B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.15B)	\$0.29B	(\$0.38B)	(\$1.42B)	\$26.06B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.11B)	\$1.12B	\$1.96B	\$1.68B	\$9.90B
VB	Vanguard Small-Cap ETF	(\$0.10B)	(\$0.95B)	\$0.29B	\$3.15B	\$41.20B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.10B)	(\$0.17B)	(\$0.61B)	(\$1.76B)	\$17.74B
QQQ	Invesco QQQ Trust	(\$0.10B)	\$3.83B	\$7.39B	\$22.19B	\$157.07B

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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	0.00%	83.99%	7.74%	32.46%	61.23
XLU	Utilities Select Sector SPDR Fund	-3.78%	17.11%	1.02%	6.91%	58.79
XLB	Materials Select Sector SPDR Fund	-7.90%	5.49%	-3.27%	-2.37%	46.98
XLV	Health Care Select Sector SPDR Fund	-8.07%	7.50%	-2.23%	-1.25%	50.54
XLP	Consumer Staples Select Sector SPDR Fund	-8.97%	6.60%	-4.13%	-1.09%	41.38
XLI	Industrial Select Sector SPDR Fund	-14.90%	1.58%	-7.24%	-10.21%	38.40
XLRE	Real Estate Select Sector SPDR Fund	-16.23%	4.00%	-7.13%	-8.11%	42.83
SPY	SPDR S&P 500 ETF Trust	-17.55%	1.14%	-8.07%	-11.58%	39.71
XLF	Financial Select Sector SPDR Fund	-18.11%	3.04%	-6.90%	-11.49%	43.86
XLK	Technology Select Sector SPDR Fund	-25.23%	1.00%	-10.03%	-15.85%	40.61
XLC	Communication Services Select Sector SPDR Fund	-33.99%	0.00%	-11.24%	-23.12%	37.95
XLY	Consumer Discretionary Select Sector SPDR Fund	-34.81%	0.00%	-19.06%	-25.58%	29.60

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance (%)
XLU	Utilities Select Sector SPDR Fund	2.00%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	1.94%
FUTY	Fidelity MSCI Utilities Index ETF	1.86%
IDU	iShares U.S. Utilities ETF	1.84%
VPU	Vanguard Utilities ETF	1.81%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	1.73%
PUI	Invesco DWA Utilities Momentum ETF	1.73%
XLP	Consumer Staples Select Sector SPDR Fund	1.64%
IYK	iShares U.S. Consumer Staples ETF	1.61%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	1.52%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXU	First Trust Utilities AlphaDEX Fund	61.51
XLE	Energy Select Sector SPDR Fund	61.23
VDE	Vanguard Energy ETF	60.45
FENY	Fidelity MSCI Energy Index ETF	60.37
IYE	iShares U.S. Energy ETF	60.22
RYU	Invesco S&P 500 Equal Weight Utilities ETF	60.21
PUI	Invesco DWA Utilities Momentum ETF	60.03
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	59.96
RYE	Invesco S&P 500 Equal Weight Energy ETF	59.48
PXE	Invesco Dynamic Energy Exploration & Production ETF	58.79

Sector & Industry 1 Day Performance Laggards

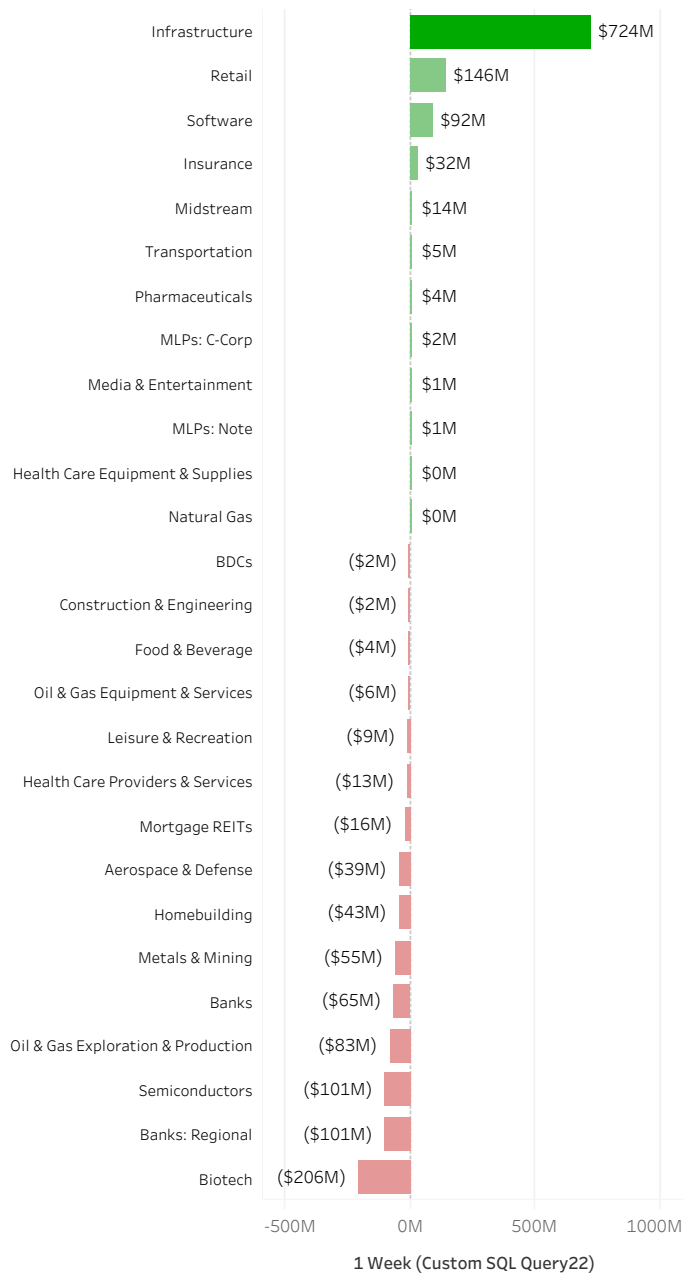
Ticker	Fund	1 Day Performance (%)
FDN	First Trust Dow Jones Internet Index Fund	-5.33%
PNQI	Invesco NASDAQ Internet ETF	-4.99%
XNTK	SPDR NYSE Technology ETF	-4.11%
XBI	SPDR S&P BIOTECH ETF	-3.91%
XSW	SPDR S&P Software & Services ETF	-3.89%
VOX	Vanguard Communication Services ETF	-3.87%
FCOM	Fidelity MSCI Communication Services Index ETF	-3.83%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-3.73%
XLC	Communication Services Select Sector SPDR Fund	-3.55%
IGV	iShares Expanded Tech-Software Sector ETF	-3.48%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XLY	Consumer Discretionary Select Sector SPDR Fund	29.60
XRT	SPDR S&P Retail ETF	29.93
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	29.93
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	30.01
VCR	Vanguard Consumer Discretionary ETF	30.03
IYC	iShares U.S. Consumer Discretionary ETF	30.11
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary E..	30.19
FDN	First Trust Dow Jones Internet Index Fund	31.06
FXD	First Trust Consumer Discretionary AlphaDEX Fund	32.63
PEJ	Invesco Dynamic Leisure & Entertainment ETF	34.00

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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	9	\$14B	\$256M	(\$324M)	(\$1,248M)	\$89M
Consumer Discretionary	13	\$22B	(\$198M)	(\$2,715M)	(\$4,278M)	(\$4,347M)
Consumer Staples	12	\$26B	\$144M	\$2,620M	\$6,631M	\$7,092M
Energy	34	\$79B	(\$1,028M)	(\$1,652M)	\$3,777M	\$3,418M
Financials	28	\$61B	(\$1,281M)	(\$13,827M)	(\$7,684M)	(\$8,657M)
Health Care	26	\$86B	(\$237M)	\$4,248M	\$7,679M	\$11,228M
Industrial	14	\$28B	(\$9M)	(\$809M)	(\$1,881M)	(\$6,266M)
Materials	10	\$17B	(\$153M)	\$683M	\$747M	(\$701M)
Multi-Sector	19	\$15B	\$603M	(\$2,381M)	(\$3,936M)	(\$3,036M)
Real Estate	23	\$69B	(\$30M)	(\$2,592M)	(\$426M)	\$8,337M
Technology	24	\$117B	\$33M	\$1,275M	\$227M	\$6,255M
Utilities	10	\$25B	(\$143M)	\$2,657M	\$3,748M	\$4,414M

U.S. Sector & Industry Flow Leaders

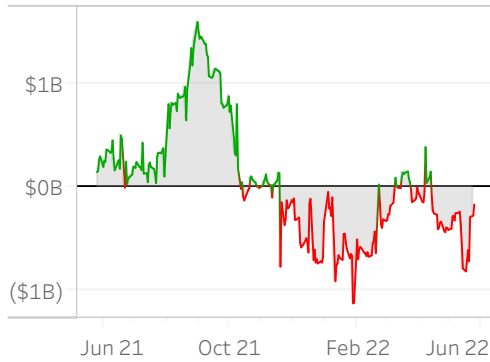
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IFRA	iShares U.S. Infrastructure ETF	\$746M	\$833M	\$895M	\$1,059M	\$1,623M
XLC	Communication Services Select Sector SPDR Fu..	\$356M	(\$174M)	(\$979M)	(\$212M)	\$9,849M
XRT	SPDR S&P Retail ETF	\$146M	(\$35M)	(\$401M)	(\$16M)	\$444M
XLK	Technology Select Sector SPDR Fund	\$142M	\$854M	\$1,455M	\$2,518M	\$39,262M
XLP	Consumer Staples Select Sector SPDR Fund	\$97M	\$894M	\$4,041M	\$4,316M	\$15,267M
IGV	iShares Expanded Tech-Software Sector ETF	\$94M	\$187M	\$337M	\$636M	\$4,217M
VNQ	Vanguard Real Estate ETF	\$76M	(\$844M)	\$446M	\$3,681M	\$41,237M
IGM	iShares Expanded Tech Sector ETF	\$46M	\$1,128M	\$954M	\$1,115M	\$3,633M
XLRE	Real Estate Select Sector SPDR Fund	\$42M	\$528M	\$884M	\$2,877M	\$5,444M
ITB	iShares U.S. Home Construction ETF	\$37M	(\$507M)	(\$667M)	(\$808M)	\$1,409M

U.S. Sector & Industry Flow Laggards

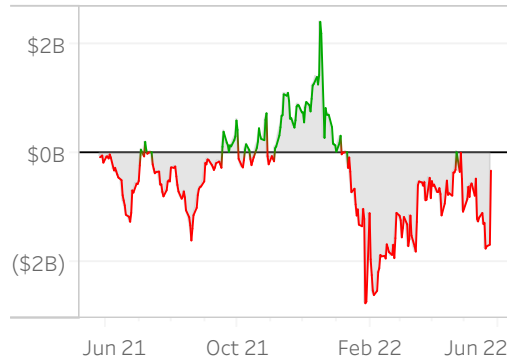
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$790M)	(\$8,340M)	(\$4,435M)	(\$6,202M)	\$32,265M
IYE	iShares U.S. Energy ETF	(\$779M)	(\$468M)	(\$402M)	(\$437M)	\$3,071M
IYG	iShares US Financial Services ETF	(\$288M)	(\$555M)	(\$509M)	(\$215M)	\$1,611M
XLE	Energy Select Sector SPDR Fund	(\$237M)	(\$2,049M)	\$392M	\$380M	\$39,252M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$200M)	(\$1,040M)	(\$1,796M)	(\$1,572M)	\$14,532M
XLU	Utilities Select Sector SPDR Fund	(\$186M)	\$1,734M	\$2,403M	\$2,752M	\$15,625M
XBI	SPDR S&P BIOTECH ETF	(\$147M)	\$510M	\$1,944M	\$2,707M	\$5,748M
IYC	iShares U.S. Consumer Discretionary ETF	(\$133M)	(\$86M)	(\$286M)	(\$506M)	\$773M
FCOM	Fidelity MSCI Communication Services Index ETF	(\$115M)	(\$25M)	(\$75M)	\$102M	\$610M
IYR	iShares U.S. Real Estate ETF	(\$114M)	(\$1,735M)	(\$1,802M)	(\$189M)	\$4,364M

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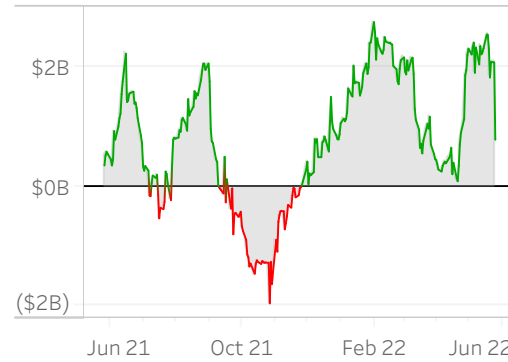
Communication Services



Consumer Discretionary



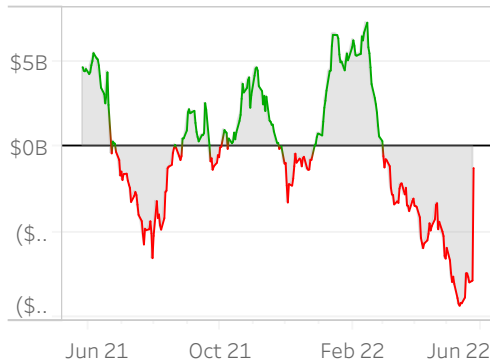
Consumer Staples



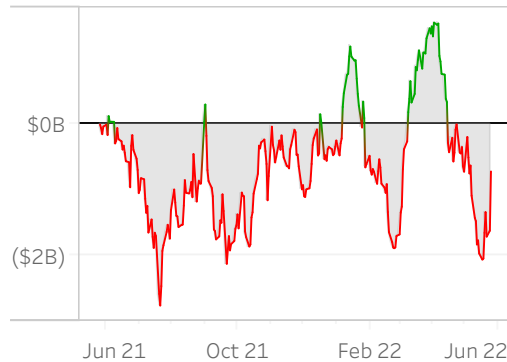
Energy



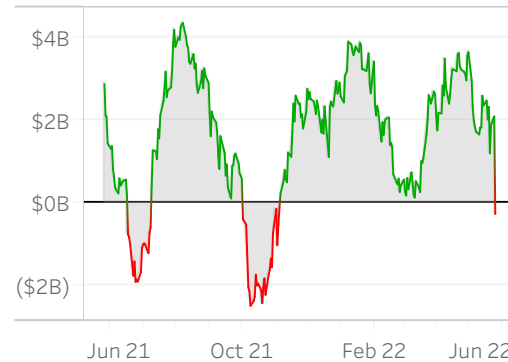
Financials



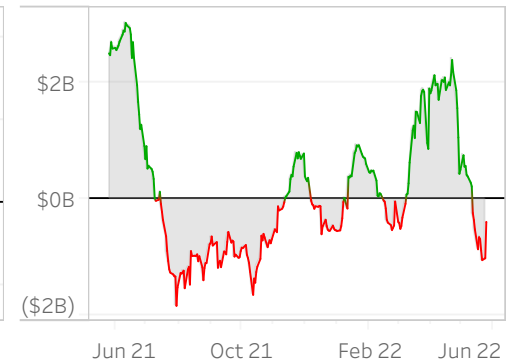
Industrial



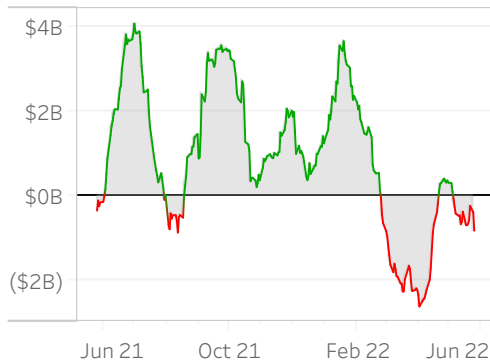
Health Care



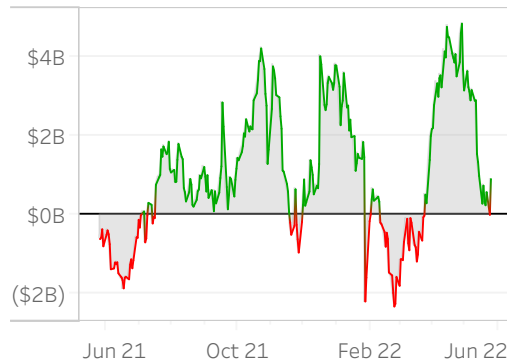
Materials



Real Estate



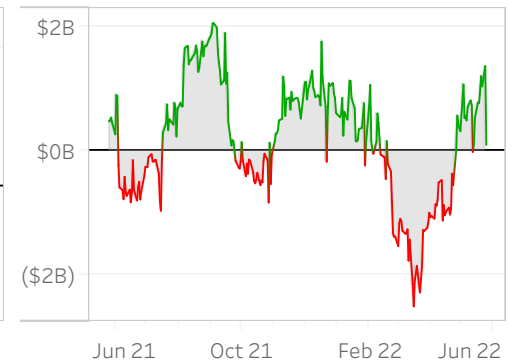
Technology



Utilities

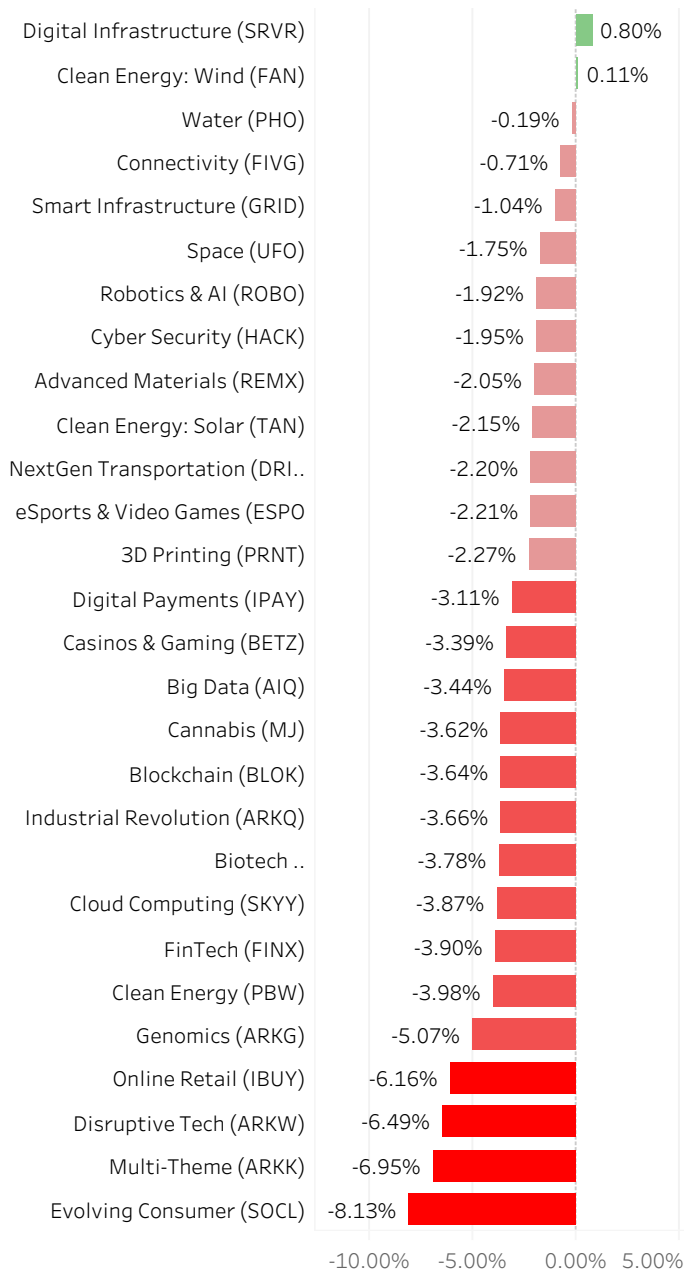


Multi-Sector

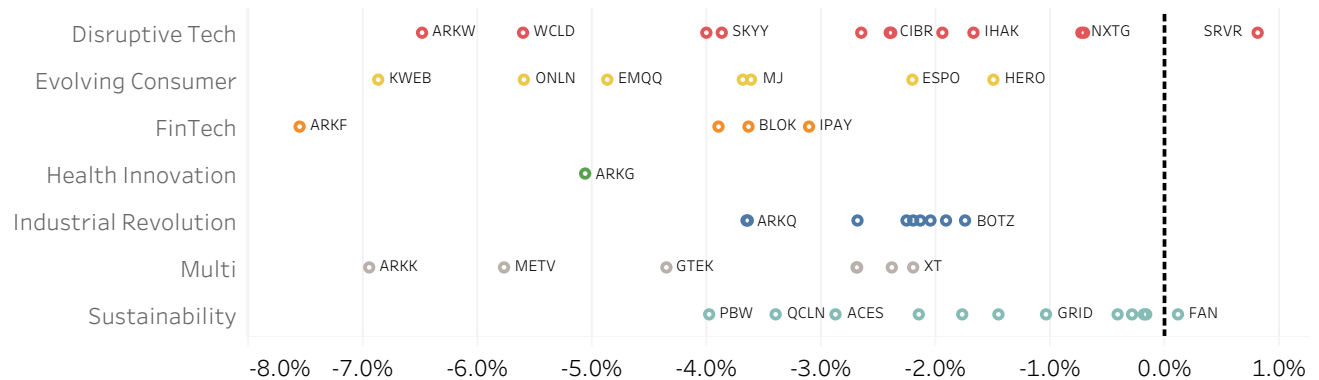


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	0.80%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	0.62%
FAN	First Trust Global Wind Energy ETF	0.11%
CGW	Invesco S&P Global Water Index ETF	-0.17%
PHO	Invesco Water Resources ETF	-0.19%
EBLU	Ecofin Global Water ESG Fund	-0.26%
FIW	First Trust Water ETF	-0.29%
PIO	Invesco Global Water ETF	-0.42%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.43%
AGNG	Global X Aging Population ETF	-0.47%

Thematic Most Overbought

Ticker	Fund	Price
FAN	First Trust Global Wind Energy ETF	55.85
LIT	Global X Lithium & Battery Tech ETF	54.79
RNRG	Global X Funds Global X Renewable Energy Producers ETF	53.91
REMX	VanEck Rare Earth/Strategic Metals ETF	51.36
TAN	Invesco Solar ETF	51.36
VPN	Global X Data Center REITs & Digital Infrastructure ETF	50.79
ICLN	iShares Global Clean Energy ETF	50.29
CNRG	SPDR S&P Kensho Clean Power ETF	50.02
KGRN	KraneShares MSCI China Clean Technology Index ETF	49.70
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	49.68

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SOCL	Global X Social Media ETF	-8.13%
ARKF	ARK Fintech Innovation ETF	-7.56%
ARKK	ARK Innovation ETF	-6.95%
KWEB	KraneShares CSI China Internet ETF	-6.87%
ARKW	ARK Next Generation Internet ETF	-6.49%
IBUY	Amplify Online Retail ETF	-6.16%
BITQ	Bitwise Crypto Industry Innovators ETF	-6.11%
BKCH	Global X Blockchain ETF	-6.06%
XITK	SPDR FactSet Innovative Technology ETF	-5.91%
METV	Roundhill Ball Metaverse ETF	-5.78%

Thematic Most Oversold

Ticker	Fund	Price
BKCH	Global X Blockchain ETF	27.52
GBUY	Goldman Sachs Future Consumer Equity ETF	28.20
BITQ	Bitwise Crypto Industry Innovators ETF	28.81
YOLO	AdvisorShares Pure Cannabis ETF	30.18
IBUY	Amplify Online Retail ETF	31.55
BLOK	Amplify Transformational Data Sharing ETF	31.78
MILN	Global X Millennial Consumer ETF	32.10
ONLN	ProShares Online Retail ETF	32.58
CNBS	Amplify Seymour Cannabis ETF	32.78
WFH	Direxion Work From Home ETF	33.08

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$388M
WCLD	WisdomTree Cloud Computing Fund	\$17M
ARKF	ARK Fintech Innovation ETF	\$11M
BUG	Global X Cybersecurity ETF	\$10M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
TARK	AXS 2X Innovation ETF	\$3M
AWAY	ETFMG Travel Tech ETF	\$2M
FRNW	Fidelity Clean Energy ETF	\$1M
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ETF	\$1M

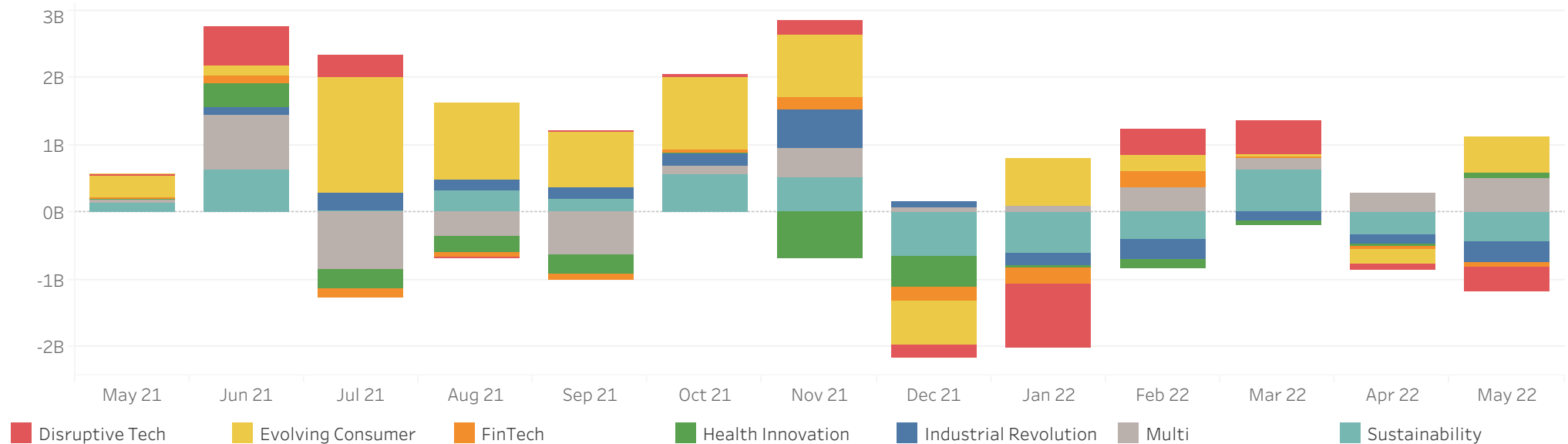
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$207M)
ICLN	iShares Global Clean Energy ETF	(\$43M)
SKYY	First Trust Cloud Computing ETF	(\$34M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$32M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$18M)
FIW	First Trust Water ETF	(\$11M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$11M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$9M)
CLOU	Global X Cloud Computing ETF	(\$8M)
ARKW	ARK Next Generation Internet ETF	(\$8M)

Thematic Landscape Assets & Flows

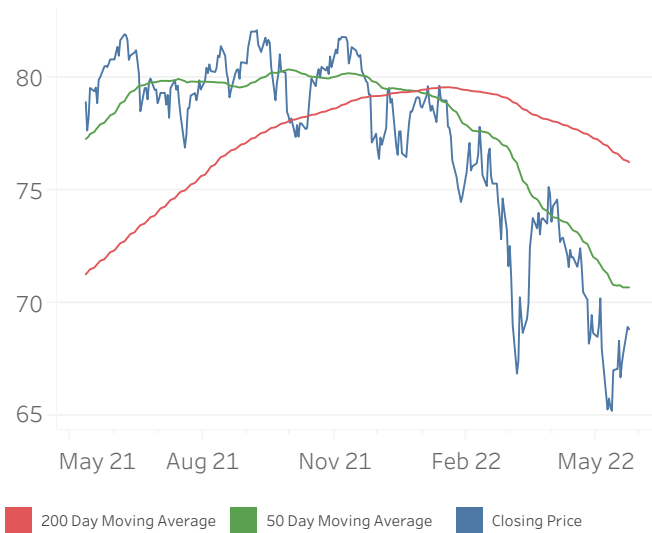
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$25M)	\$104M	(\$689M)	\$490M
Evolving Consumer	48	\$11B	\$112M	\$360M	\$693M	\$6,838M
FinTech	24	\$3B	\$3M	(\$61M)	(\$284M)	(\$236M)
Health Innovation	19	\$4B	\$6M	(\$32M)	(\$660M)	(\$1,723M)
Industrial Revolution	32	\$13B	(\$38M)	(\$571M)	(\$955M)	\$471M
Multi	42	\$15B	(\$184M)	\$979M	\$1,609M	\$1,079M
Sustainability	41	\$17B	(\$65M)	(\$131M)	(\$1,788M)	\$583M
Grand Total	241	\$82B	(\$192M)	\$649M	(\$2,074M)	\$7,502M

Thematic Monthly Flows

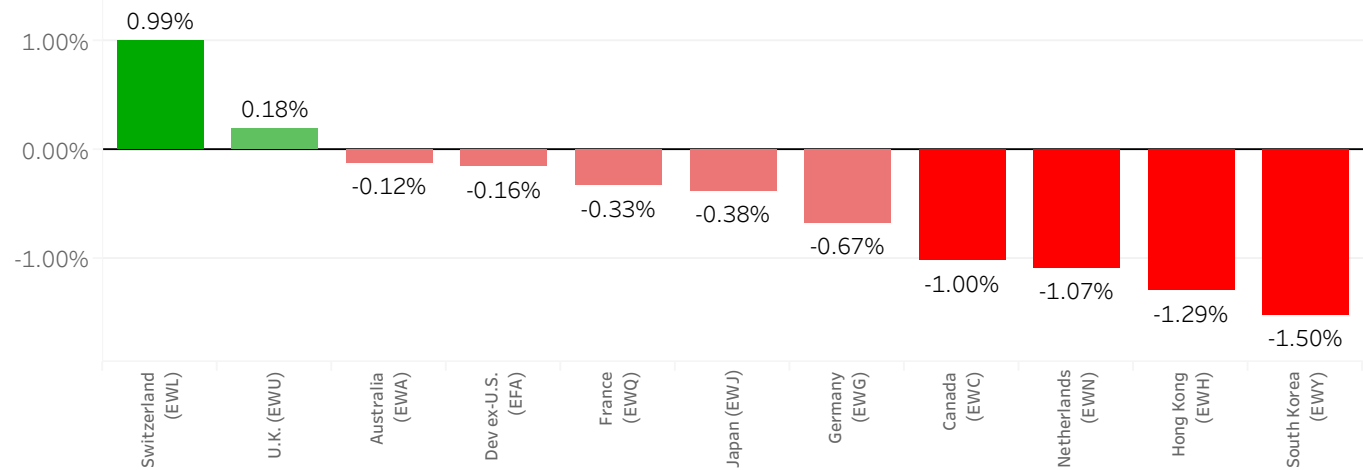


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



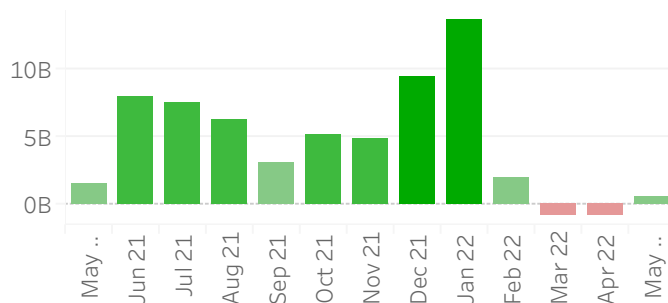
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	1.33%
CIL	VictoryShares International Volatility Wtd ETF	1.22%
EWJV	iShares MSCI Japan Value ETF	1.14%
FLSW	Franklin FTSE Switzerland ETF	1.00%
EWL	iShares MSCI Switzerland ETF	0.99%
EWO	iShares MSCI Austria ETF	0.90%
FIDI	Fidelity International High Dividend ETF	0.62%
NORW	Global X MSCI Norway ETF	0.56%
EWD	iShares MSCI Sweden ETF	0.56%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	0.43%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWP	iShares MSCI Spain ETF	61.85
EWO	iShares MSCI Austria ETF	59.02
IDOG	ALPS International Sector Dividend Dogs ETF	58.04
DTH	WisdomTree International High Dividend Fund	57.73
IVLU	iShares MSCI Intl Value Factor ETF	57.69
IDV	iShares International Select Dividend ETF	57.67
EFV	iShares MSCI EAFE Value ETF	57.15
EWJV	iShares MSCI Japan Value ETF	57.14
DFIV	Dimensional International Value ETF	56.71
IVAL	Alpha Architect International Quantitative Value ETF	56.34

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	-2.62%
ISRA	VanEck Israel ETF	-2.53%
EIS	iShares MSCI Israel ETF	-2.26%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-2.15%
EWS	iShares MSCI Singapore ETF	-1.58%
EWY	iShares MSCI South Korea ETF	-1.50%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.49%
FLKR	Franklin FTSE South Korea ETF	-1.47%
EWH	iShares MSCI Hong Kong ETF	-1.29%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-1.24%

Developed ex-U.S. Most Oversold

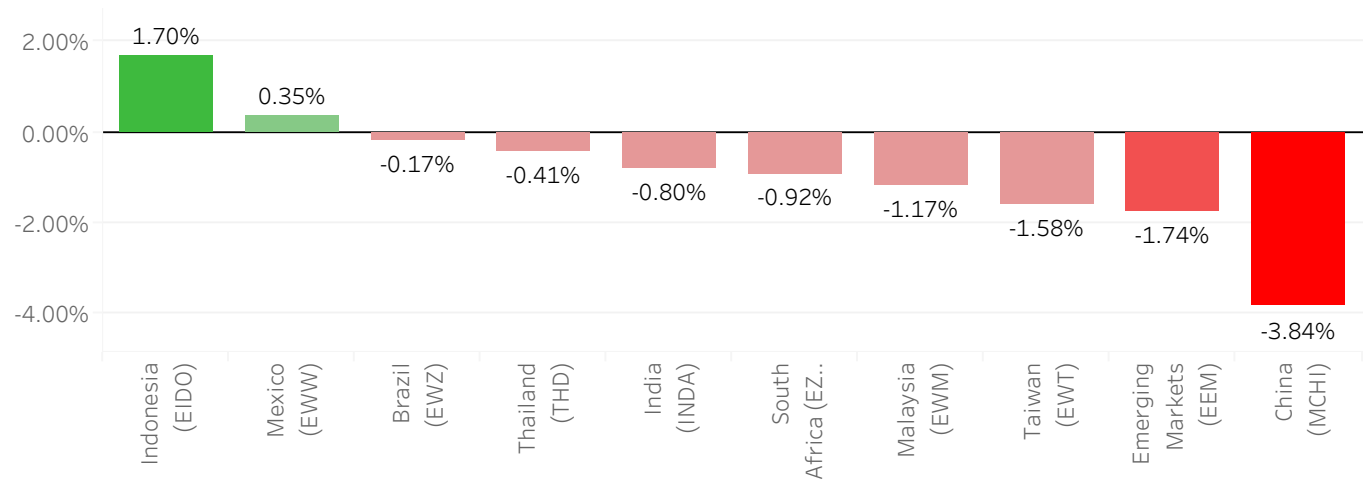
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	32.98
EIS	iShares MSCI Israel ETF	39.80
ISRA	VanEck Israel ETF	40.71
TOK	iShares MSCI Kokusai ETF	40.99
ENZL	iShares MSCI New Zealand ETF	41.88
AIA	iShares Asia 50 ETF	43.13
EWS	iShares MSCI Singapore ETF	43.32
AAXJ	iShares MSCI All Country Asia ex Japan ETF	43.90
EWUS	iShares MSCI United Kingdom Small Cap ETF	45.27
RBIN	Nationwide Risk-Based International Equity ETF	45.41

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

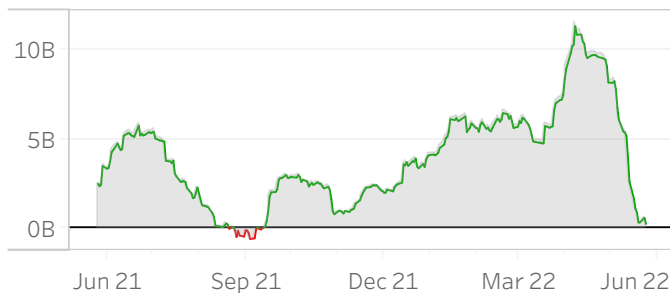
Emerging (EEM)



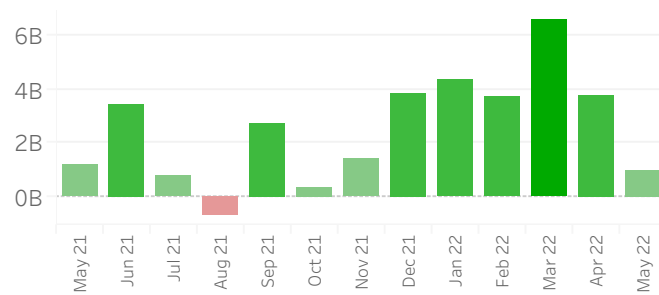
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	1.70%
IDX	VanEck Indonesia Index ETF	1.37%
EPOL	iShares MSCI Poland ETF	0.61%
EWW	iShares MSCI Mexico ETF	0.35%
ECH	iShares MSCI Chile ETF	0.21%
KSA	iShares MSCI Saudi Arabia ETF	0.14%
QAT	iShares MSCI Qatar ETF	-0.13%
EWZ	iShares MSCI Brazil ETF	-0.17%
FLBR	Franklin FTSE Brazil ETF	-0.23%
ILF	iShares Latin America 40 ETF	-0.25%

Emerging Most Overbought

Ticker	Fund	Price
ECH	iShares MSCI Chile ETF	66.15
FLN	First Trust Latin America AlphaDEX Fund	61.42
EWZ	iShares MSCI Brazil ETF	58.04
FLBR	Franklin FTSE Brazil ETF	57.94
ILF	iShares Latin America 40 ETF	57.93
EWW	iShares MSCI Mexico ETF	55.29
THD	iShares MSCI Thailand ETF	55.22
EWZS	iShares MSCI Brazil Small-Cap ETF	53.85
EPOL	iShares MSCI Poland ETF	53.32
FRDM	Freedom 100 Emerging Markets ETF	52.80

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-6.63%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-4.33%
MCHI	iShares MSCI China ETF	-3.84%
FXI	iShares China Large-Cap ETF	-3.82%
FNI	First Trust Chindia ETF	-3.73%
GXC	SPDR S&P China ETF	-3.69%
FLCH	Franklin FTSE China ETF	-3.46%
RAYC	Rayliant Quantamental China Equity ETF	-2.96%
ECNS	iShares MSCI China Small-Cap ETF	-2.96%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-2.78%

Emerging Most Oversold

Ticker	Fund	Price
KSA	iShares MSCI Saudi Arabia ETF	25.08
GLIN	VanEck India Growth Leaders ETF	29.22
FM	iShares MSCI Frontier and Select EM ETF	31.13
VNM	VanEck Vietnam ETF	34.67
EWM	iShares MSCI Malaysia ETF	34.75
TUR	iShares MSCI Turkey ETF	35.04
QAT	iShares MSCI Qatar ETF	35.93
NFTY	First Trust India NIFTY 50 Equal Weight ETF	36.65
EPI	WisdomTree India Earnings Fund	37.60
SMIN	iShares MSCI India Small Cap ETF	38.19

*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	0.77%	0.83%	-8.62%
SHY	1-3 Year Treasury Bonds	0.23%	0.66%	-2.38%
IEF	7-10 Year Treasury Bonds	0.86%	1.45%	-9.10%
TLT	20+ Year Treasury Bonds	1.97%	-0.77%	-19.31%
TIP	TIPS Bonds	0.54%	-1.37%	-6.21%
FLOT	Floating Rate Bonds	-0.08%	-0.11%	-0.45%
LQD	Investment Grade Corporate	1.31%	0.29%	-13.65%
HYG	High Yield Corporate	0.60%	-2.19%	-9.89%
BKLN	Senior Loan	-0.19%	-3.83%	-4.73%
PFF	Preferred & Income Securities	0.54%	-2.64%	-14.37%
MUB	Municipal Bonds	0.62%	-0.04%	-7.80%
MBB	MBS	0.79%	1.79%	-7.04%
EMB	Dollar Denominated EM Bonds	0.87%	-1.36%	-15.78%
LEMB	Local Currency EM Bond	0.26%	-2.06%	-10.33%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.40%	2.97%	37.77%
DBE	Energy	0.25%	7.57%	54.42%
USO	WTI Crude Oil	0.04%	7.46%	50.85%
BNO	Brent Crude Oil	0.06%	7.18%	55.00%
UNG	Natural Gas	0.17%	32.69%	141.15%
UGA	Gasoline	-0.01%	17.47%	67.14%
DBP	Precious Metals	0.80%	-4.70%	-0.25%
GLD	Gold	0.75%	-3.42%	1.85%
SLV	Silver	1.44%	-8.61%	-5.21%
PPLT	abrdn Physical Platin..	-0.35%	2.65%	-1.35%
PALL	abrdn Physical Palla..	0.61%	-15.05%	5.83%
DBB	Base Metals	-0.91%	-10.05%	2.96%
CPER	Copper	-0.57%	-6.22%	-4.08%
LD	Lead	-2.10%	-8.91%	-5.65%
JJN	Nickel	-4.84%	-20.34%	27.95%
JJU	Aluminum	-1.33%	-9.16%	4.59%
JJT	Tin	0.30%	-18.45%	-11.52%
DBA	Agriculture	-1.20%	-0.72%	12.25%
CORN	Corn	-1.71%	-0.73%	33.38%
SOYB	Soybeans	-0.19%	-0.84%	24.00%
WEAT	Wheat	-3.19%	8.88%	55.89%
CANE	Sugar	-0.10%	4.08%	8.26%
BAL	Cotton	-2.76%	3.91%	29.62%
NIB	Cocoa	0.84%	-4.29%	-7.42%
JO	Coffee	-0.74%	-5.55%	-5.15%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.29%	0.59%	6.16%
UDN	Short Dollar	0.32%	-0.56%	-6.18%
FXE	Euro	0.41%	-0.65%	-6.05%
FXB	British Pound Sterling	-0.48%	-2.41%	-7.49%
FXF	Swiss Franc	0.55%	-0.46%	-5.51%
FXJ	Japanese Yen	0.78%	1.29%	-9.42%
FXC	Canadian Dollar	-0.24%	-0.68%	-1.45%
FXA	Australian Dollar	0.01%	-1.93%	-2.40%

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