

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

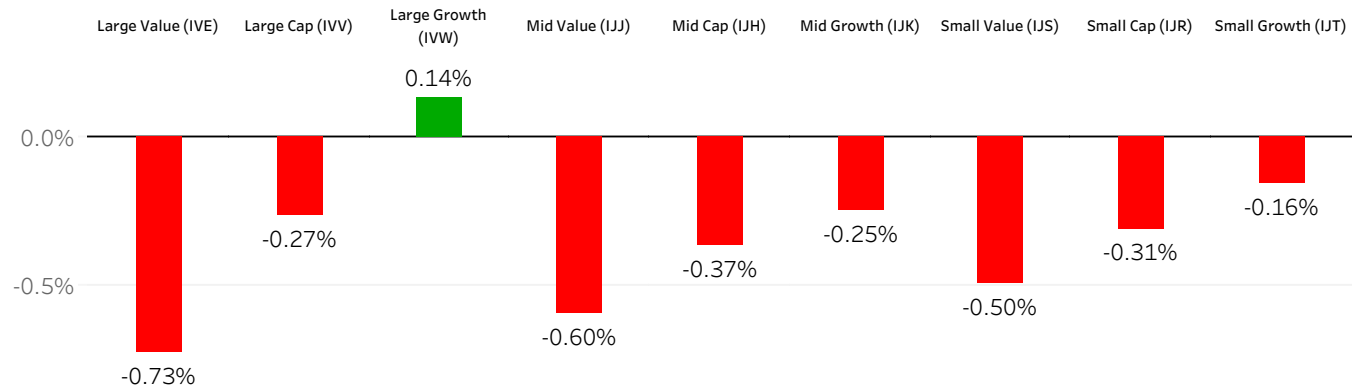


Small Cap Blend (S&P 600) IJR



■ 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
IPO	Renaissance IPO ETF	1.15%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.09%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.95%
FFTY	Innovator IBD 50 ETF	0.78%
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	0.71%
RPHS	Regents Park Hedged Market Strategy ETF	0.68%
XSMO	Invesco S&P SmallCap Momentum ETF	0.67%
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.64%
BUZZ	VanEck Social Sentiment ETF	0.61%
JSML	Janus Henderson Small Cap Growth Alpha ETF	0.55%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	54.04
PTLC	Pacer Trendpilot US Large Cap ETF	43.47
SPC	CrossingBridge Pre-Merger SPAC ETF	39.16
XSMO	Invesco S&P SmallCap Momentum ETF	38.13
AVUV	Avantis U.S. Small Cap Value ETF	37.88
IPO	Renaissance IPO ETF	37.81
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	37.54
CALF	Pacer US Small Cap Cash Cows 100 ETF	37.29
DWAS	Invesco DWA SmallCap Momentum ETF	37.04
PDP	Invesco DWA Momentum ETF	36.77

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-5.32%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-4.59%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-4.49%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-4.37%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-4.27%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-1.96%
DIV	Global X SuperDividend US ETF	-1.54%
ALTL	Pacer Lunt Large Cap Alternator ETF	-1.51%
SPLV	Invesco S&P 500 Low Volatility ETF	-1.43%
LVHD	Legg Mason Low Volatility High Dividend ETF	-1.39%

Size & Style Most Oversold

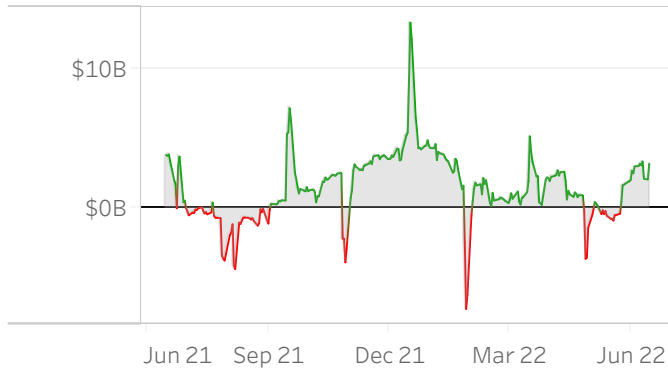
Ticker	Fund	Value
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	20.20
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	20.64
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	22.78
ONOF	Global X Adaptive U.S. Risk Management ETF	24.25
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	24.56
SPLV	Invesco S&P 500 Low Volatility ETF	24.90
ALTL	Pacer Lunt Large Cap Alternator ETF	24.98
RDIV	Invesco S&P Ultra Dividend Revenue ETF	25.61
QVML	Invesco S&P 500 QVM Multi-factor ETF	25.66
RFDA	RiverFront Dynamic US Dividend Advantage ETF	26.55

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

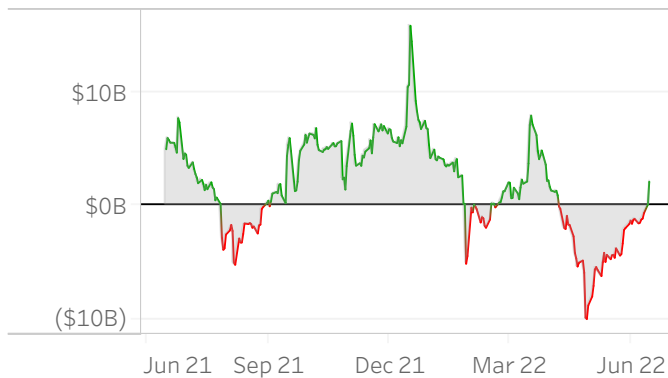
Large-Cap 30-Day Rolling Flows



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	\$1,115B	(\$12.42B)	\$3.95B	\$29.99B	\$128.02B
Large Cap, Beta Growth, Beta: Growth	10	\$200B	(\$0.48B)	\$6.16B	\$4.53B	\$14.16B
Large Cap, Beta Growth, Beta: Value	11	\$207B	\$0.24B	\$3.15B	\$16.35B	\$23.97B
Mid Cap, Beta, Beta	10	\$163B	\$0.51B	\$3.15B	\$2.52B	\$10.62B
Mid Cap, Beta, Beta: Growth	6	\$29B	\$0.11B	\$0.25B	(\$0.94B)	\$0.23B
Mid Cap, Beta, Beta: Value	6	\$38B	\$0.31B	(\$0.37B)	(\$0.22B)	(\$0.24B)
Small Cap, Beta, Beta	13	\$178B	\$2.56B	(\$5.15B)	(\$4.05B)	\$7.31B
Small Cap, Beta, Beta: Growth	7	\$28B	\$0.05B	\$0.41B	(\$0.05B)	\$1.37B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.37B	(\$2.54B)	(\$2.43B)	(\$2.51B)

U.S. Size & Style Flow Leaders

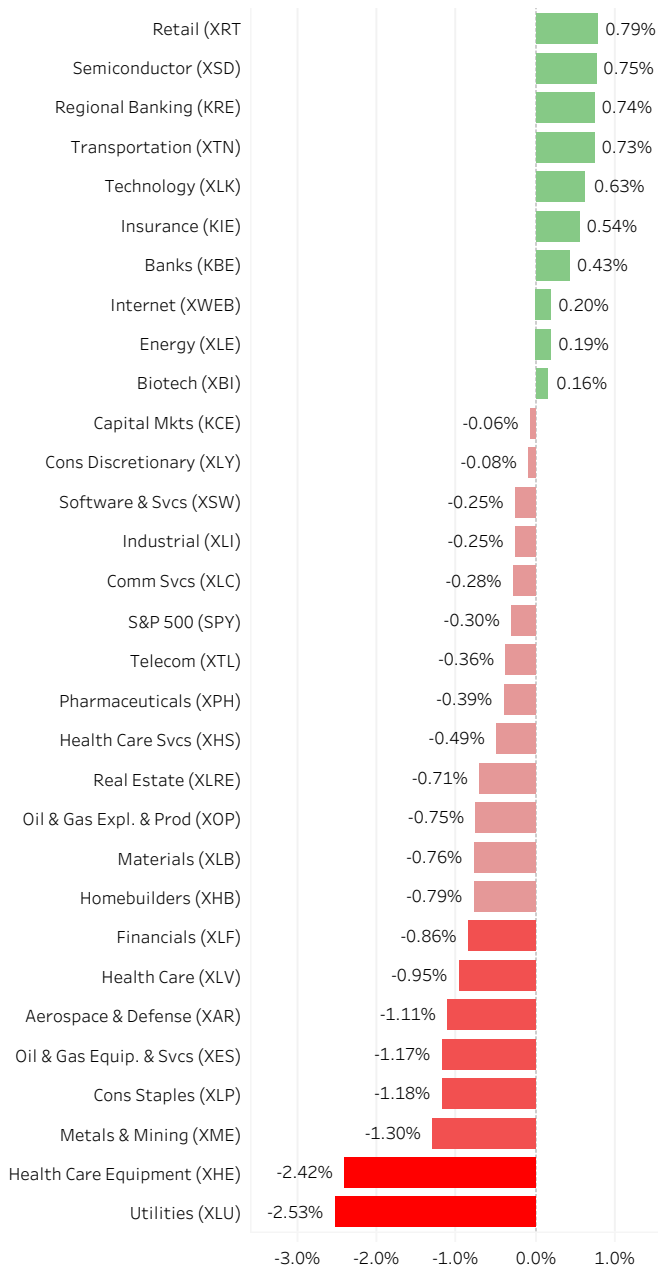
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$2.06B	(\$1.51B)	(\$2.71B)	(\$0.18B)	\$51.18B
VTI	Vanguard Total Stock Market ETF	\$1.41B	\$4.02B	\$10.49B	\$36.05B	\$242.66B
VO	Vanguard Mid-Cap ETF	\$0.66B	\$1.46B	(\$0.58B)	\$5.01B	\$47.10B
VB	Vanguard Small-Cap ETF	\$0.52B	(\$0.61B)	(\$1.89B)	\$1.92B	\$39.74B
VTV	Vanguard Value ETF	\$0.46B	\$3.31B	\$12.61B	\$16.47B	\$94.89B
VBR	Vanguard Small Cap Value ETF	\$0.36B	(\$1.31B)	(\$1.26B)	\$0.70B	\$22.66B
VOE	Vanguard Mid-Cap Value ETF	\$0.30B	\$0.63B	\$1.20B	\$1.88B	\$15.46B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.28B	\$0.79B	\$1.72B	\$4.37B	\$37.27B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	\$0.24B	\$0.19B	(\$0.63B)	(\$0.45B)	\$2.90B
SDY	SPDR S&P Dividend ETF	\$0.23B	\$1.19B	\$1.48B	\$1.67B	\$20.39B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$10.36B)	(\$6.99B)	(\$28.38B)	\$12.68B	\$331.11B
IVV	iShares Core S&P 500 ETF	(\$1.22B)	\$3.04B	\$18.68B	\$33.48B	\$278.01B
QQQ	Invesco QQQ Trust	(\$0.67B)	\$4.11B	\$5.90B	\$21.60B	\$150.07B
IWF	iShares Russell 1000 Growth ETF	(\$0.36B)	\$0.61B	(\$0.25B)	\$0.90B	\$55.03B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.32B)	\$0.20B	(\$0.75B)	(\$0.96B)	\$24.82B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.28B)	\$0.60B	\$1.51B	\$3.78B	\$12.43B
FNDX	Schwab Fundamental US Large Co. Index ETF	(\$0.20B)	\$0.78B	\$2.22B	\$3.33B	\$9.71B
IWD	iShares Russell 1000 Value ETF	(\$0.18B)	(\$0.57B)	(\$1.32B)	\$1.20B	\$50.65B
IWV	iShares Russell 3000 ETF	(\$0.14B)	(\$0.15B)	(\$0.22B)	(\$0.35B)	\$9.75B
FNDA	Schwab Fundamental US Small Co. Index ETF	(\$0.12B)	\$1.13B	\$1.24B	\$1.53B	\$5.28B

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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	-8.71%	83.97%	2.90%	26.44%	46.67
XLP	Consumer Staples Select Sector SPDR Fund	-13.69%	1.08%	-8.45%	-6.31%	29.97
XLU	Utilities Select Sector SPDR Fund	-13.80%	4.92%	-9.62%	-4.65%	24.72
XLB	Materials Select Sector SPDR Fund	-14.05%	0.00%	-8.83%	-8.88%	32.12
XLV	Health Care Select Sector SPDR Fund	-15.61%	0.00%	-8.81%	-9.04%	28.41
XLI	Industrial Select Sector SPDR Fund	-17.95%	0.00%	-8.00%	-12.77%	32.64
SPY	SPDR S&P 500 ETF Trust	-21.74%	0.00%	-9.85%	-15.44%	31.23
XLF	Financial Select Sector SPDR Fund	-24.46%	0.00%	-10.81%	-17.73%	28.75
XLRE	Real Estate Select Sector SPDR Fund	-24.90%	0.00%	-14.16%	-17.04%	26.34
XLK	Technology Select Sector SPDR Fund	-28.63%	0.63%	-10.42%	-18.89%	34.28
XLY	Consumer Discretionary Select Sector SPDR Fund	-34.87%	0.00%	-13.95%	-24.69%	33.42
XLC	Communication Services Select Sector SPDR Fund	-37.39%	0.00%	-11.57%	-25.12%	31.40

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FTXR	First Trust Nasdaq Transportation ETF	1.52%
PSI	Invesco Dynamic Semiconductors ETF	1.06%
IYT	iShares US Transportation ETF	1.02%
FXN	First Trust Energy AlphaDEX Fund	0.89%
XNTK	SPDR NYSE Technology ETF	0.80%
XRT	SPDR S&P Retail ETF	0.79%
PTF	Invesco DWA Technology Momentum ETF	0.77%
XSD	SPDR S&P Semiconductor ETF	0.75%
TDV	ProShares S&P Technology Dividend Aristocrats E..	0.75%
KRE	SPDR S&P Regional Banking ETF	0.74%

Sector & Industry Most Overbought

Ticker	Fund	Value
PXE	Invesco Dynamic Energy Exploration & Production ETF	52.09
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	49.78
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	48.44
PXI	Invesco DWA Energy Momentum ETF	46.89
FXN	First Trust Energy AlphaDEX Fund	46.82
XLE	Energy Select Sector SPDR Fund	46.67
VDE	Vanguard Energy ETF	46.28
FENY	Fidelity MSCI Energy Index ETF	46.26
FTXN	First Trust Nasdaq Oil & Gas ETF	46.23
FCG	First Trust Natural Gas ETF	46.02

Sector & Industry 1 Day Performance Laggards

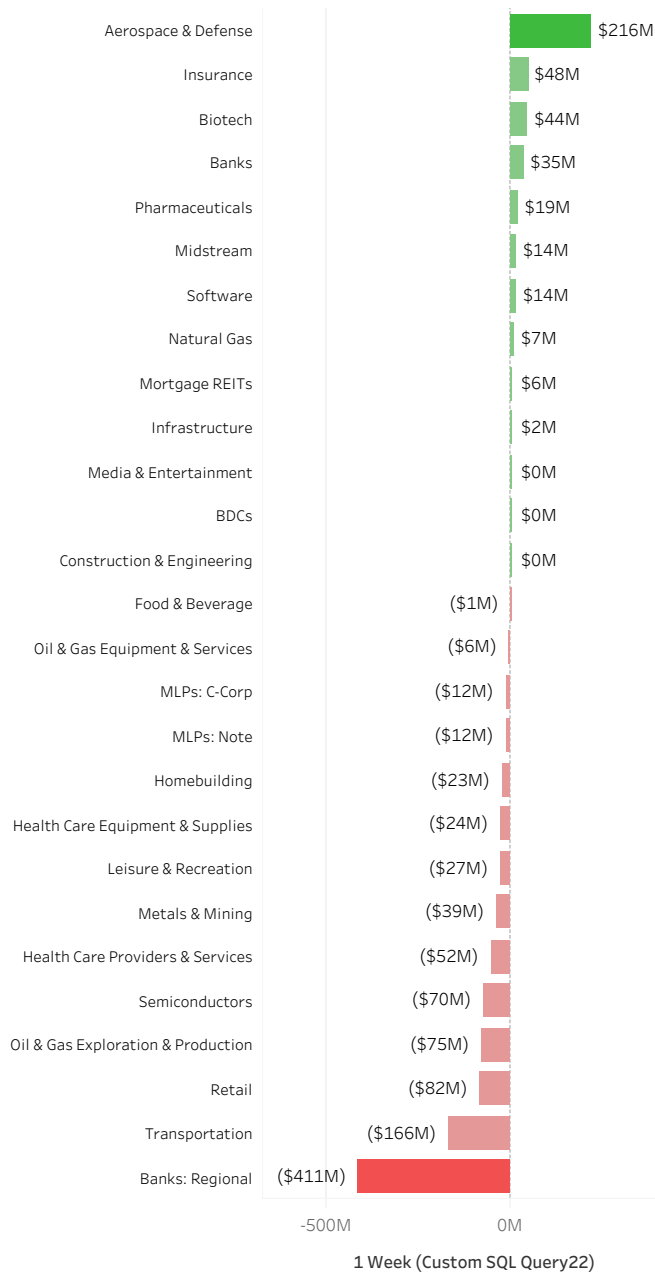
Ticker	Fund	1 Day Performance
PUI	Invesco DWA Utilities Momentum ETF	-3.06%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-2.80%
FXU	First Trust Utilities AlphaDEX Fund	-2.67%
VPU	Vanguard Utilities ETF	-2.55%
XLU	Utilities Select Sector SPDR Fund	-2.53%
AMZA	InfraCap MLP ETF	-2.50%
FUTY	Fidelity MSCI Utilities Index ETF	-2.49%
IDU	iShares U.S. Utilities ETF	-2.48%
MORT	VanEck Mortgage REIT Income ETF	-2.42%
XHE	SPDR S&P Health Care Equipment ETF	-2.42%

Sector & Industry Most Oversold

Ticker	Fund	Value
REM	iShares Mortgage Real Estate ETF	20.59
MORT	VanEck Mortgage REIT Income ETF	21.33
RYU	Invesco S&P 500 Equal Weight Utilities ETF	23.24
IDU	iShares U.S. Utilities ETF	23.94
FXU	First Trust Utilities AlphaDEX Fund	24.11
KBWD	Invesco KBW High Dividend Yield Financial ETF	24.66
XLU	Utilities Select Sector SPDR Fund	24.72
FUTY	Fidelity MSCI Utilities Index ETF	24.82
VPU	Vanguard Utilities ETF	24.89
PUI	Invesco DWA Utilities Momentum ETF	25.06

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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	\$13B	(\$84M)	(\$505M)	(\$1,107M)	\$139M
Consumer Discretionary	13	\$21B	(\$91M)	(\$1,424M)	(\$5,678M)	(\$4,068M)
Consumer Staples	12	\$26B	\$136M	\$2,330M	\$5,762M	\$6,047M
Energy	34	\$83B	(\$694M)	(\$1,664M)	\$4,393M	\$4,176M
Financials	28	\$57B	(\$817M)	(\$12,040M)	(\$9,238M)	(\$10,282M)
Health Care	26	\$83B	\$956M	\$6,219M	\$9,872M	\$15,204M
Industrial	14	\$28B	\$273M	(\$1,732M)	(\$1,177M)	(\$5,722M)
Materials	10	\$17B	\$80M	\$526M	\$2,333M	(\$831M)
Multi-Sector	19	\$14B	(\$127M)	(\$1,161M)	(\$4,247M)	(\$2,610M)
Real Estate	24	\$65B	\$213M	(\$1,507M)	(\$1,303M)	\$4,189M
Technology	24	\$111B	(\$158M)	\$1,821M	(\$1,458M)	\$6,831M
Utilities	10	\$25B	\$370M	\$3,501M	\$4,665M	\$5,787M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$707M	\$5,474M	\$7,682M	\$10,915M	\$37,090M
XLK	Technology Select Sector SPDR Fund	\$430M	\$1,319M	\$355M	\$2,595M	\$37,715M
XLI	Industrial Select Sector SPDR Fund	\$330M	(\$948M)	(\$1,299M)	(\$4,659M)	\$13,278M
XLU	Utilities Select Sector SPDR Fund	\$321M	\$2,503M	\$3,147M	\$3,886M	\$15,491M
VHT	Vanguard Health Care ETF	\$263M	(\$98M)	\$282M	\$1,495M	\$14,841M
ITA	iShares U.S. Aerospace & Defense ETF	\$198M	\$792M	\$1,483M	\$1,192M	\$3,672M
IYR	iShares U.S. Real Estate ETF	\$181M	(\$117M)	(\$787M)	(\$1,288M)	\$4,316M
XLRE	Real Estate Select Sector SPDR Fund	\$132M	\$548M	\$674M	\$2,536M	\$4,969M
XLP	Consumer Staples Select Sector SPDR Fund	\$125M	\$393M	\$2,996M	\$2,992M	\$14,841M
ITB	iShares U.S. Home Construction ETF	\$87M	(\$205M)	(\$661M)	(\$665M)	\$1,406M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$719M)	(\$270M)	\$1,290M	\$890M	\$41,067M
KRE	SPDR S&P Regional Banking ETF	(\$396M)	(\$1,942M)	(\$978M)	(\$1,350M)	\$3,046M
RYT	Invesco S&P 500 Equal Weight Technology ETF	(\$312M)	(\$132M)	(\$247M)	(\$294M)	\$1,925M
XLF	Financial Select Sector SPDR Fund	(\$198M)	(\$6,690M)	(\$4,648M)	(\$6,843M)	\$30,547M
VGT	Vanguard Information Technology ETF	(\$164M)	\$1,338M	\$145M	\$2,465M	\$39,531M
IYT	iShares US Transportation ETF	(\$156M)	(\$526M)	(\$625M)	(\$839M)	\$841M
VFH	Vanguard Financials ETF	(\$128M)	(\$1,396M)	(\$929M)	(\$617M)	\$8,467M
IYG	iShares US Financial Services ETF	(\$127M)	(\$589M)	(\$691M)	(\$528M)	\$1,399M
XHB	SPDR S&P Homebuilders ETF	(\$110M)	(\$348M)	(\$741M)	(\$537M)	\$912M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$107M)	(\$1,697M)	(\$226M)	(\$1,225M)	\$5,243M

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Communication Services



Consumer Discretionary



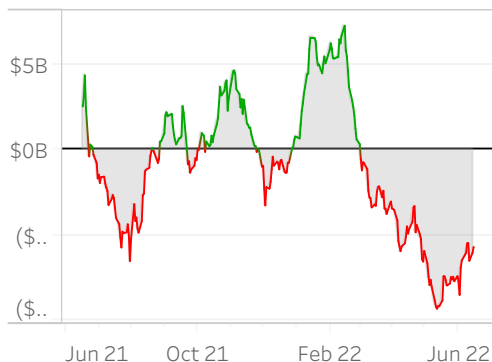
Consumer Staples



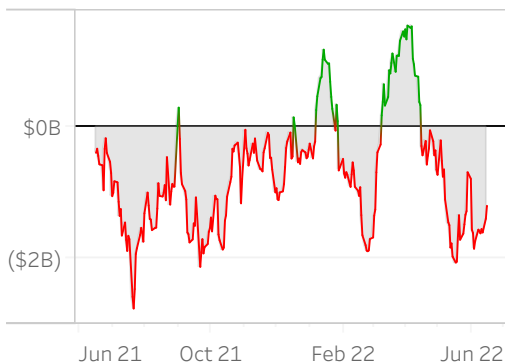
Energy



Financials



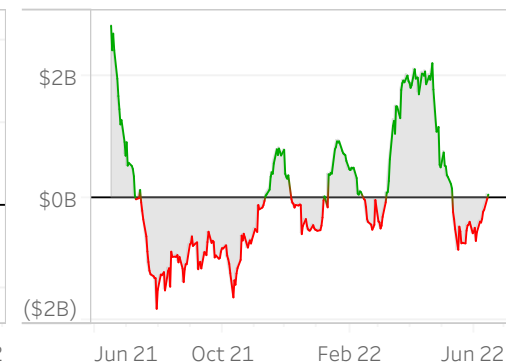
Industrial



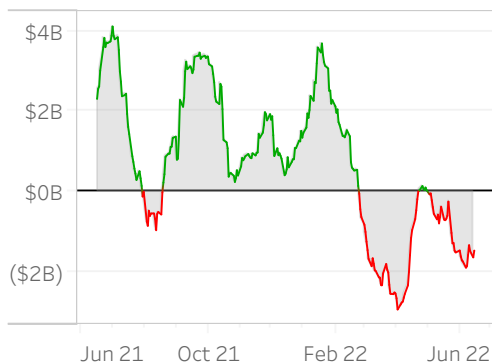
Health Care



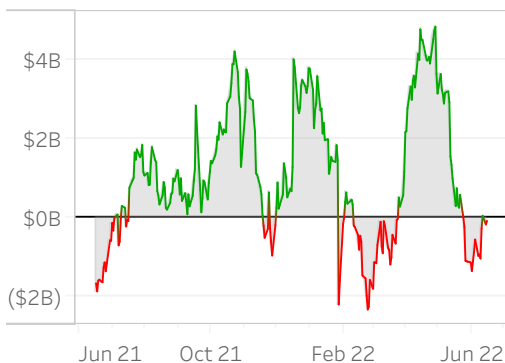
Materials



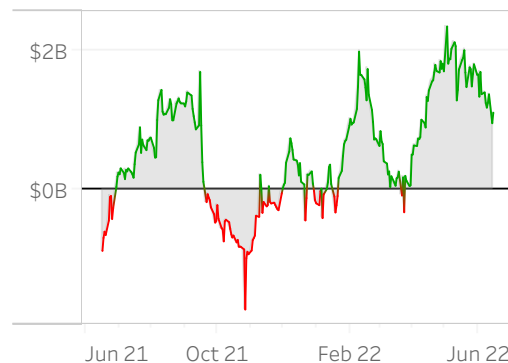
Real Estate



Technology



Utilities

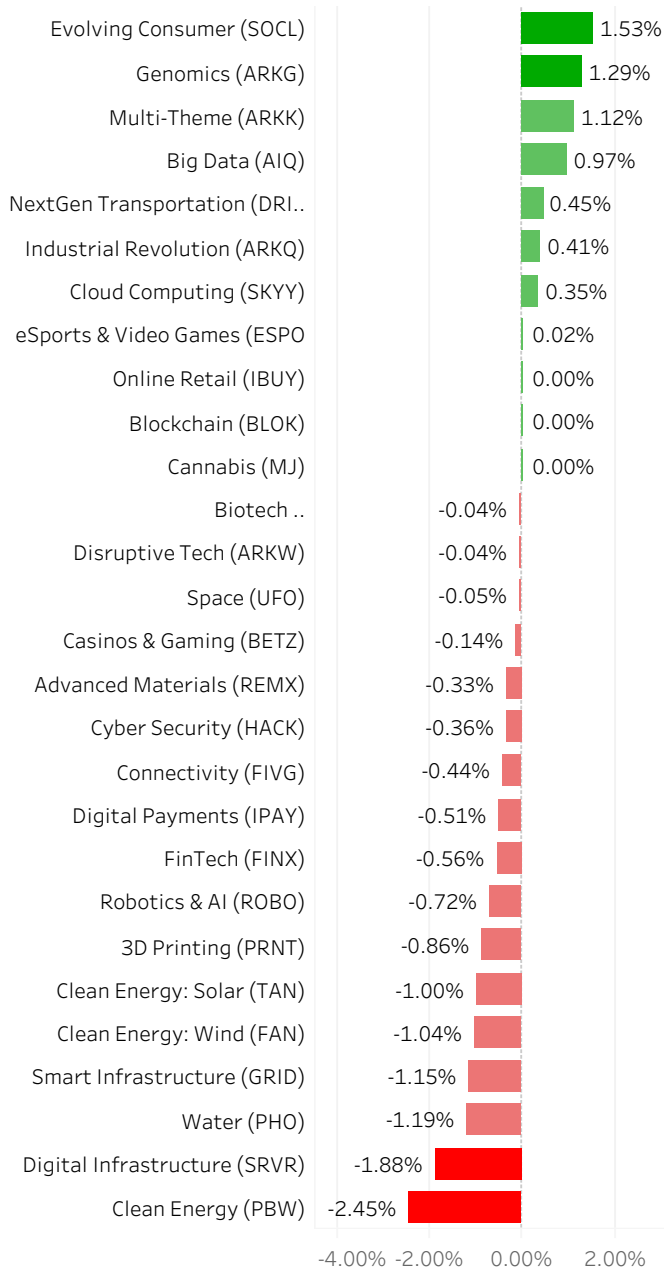


Multi-Sector

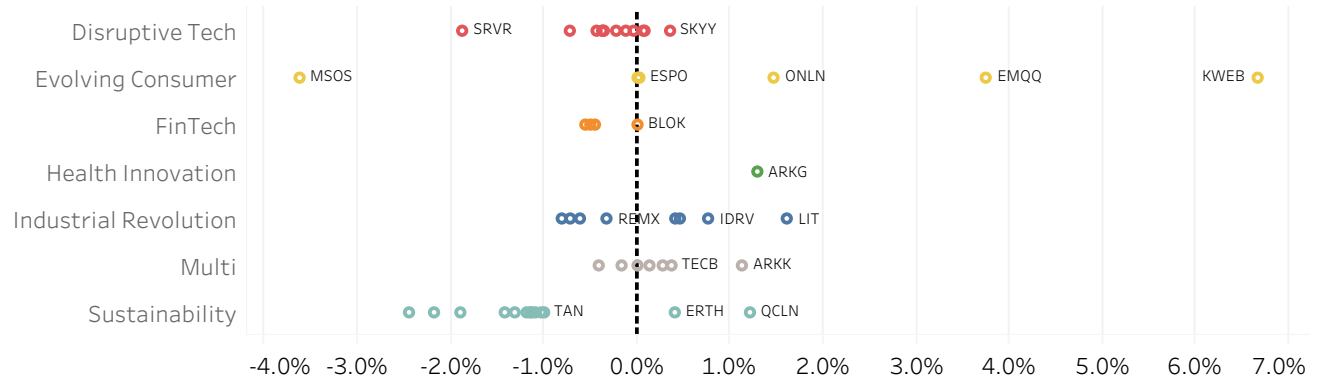


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	6.66%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	3.74%
KGRN	KraneShares MSCI China Clean Technology Index ETF	3.06%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.92%
LIT	Global X Lithium & Battery Tech ETF	1.60%
SOCL	Global X Social Media ETF	1.53%
ONLN	ProShares Online Retail ETF	1.46%
BJK	VanEck Gaming ETF	1.30%
ARKG	ARK Genomic Revolution ETF	1.29%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.21%

Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	57.37
KGRN	KraneShares MSCI China Clean Technology Index ETF	57.30
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	52.45
KSTR	KraneShares SSE STAR Market 50 Index ETF	51.58
LIT	Global X Lithium & Battery Tech ETF	49.29
TAN	Invesco Solar ETF	45.17
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	44.51
BATT	Amplify Lithium & Battery Technology ETF	42.71
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	42.10
EBIZ	Global X E-Commerce ETF	41.19

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.63%
PBW	Invesco WilderHill Clean Energy ETF	-2.45%
CNRG	SPDR S&P Kensho Clean Power ETF	-2.19%
CGW	Invesco S&P Global Water Index ETF	-1.90%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-1.88%
EBLU	Ecofin Global Water ESG Fund	-1.86%
PBD	Invesco Global Clean Energy ETF	-1.60%
EVX	VanEck Environmental Services ETF	-1.54%
YOLO	AdvisorShares Pure Cannabis ETF	-1.53%
PAWZ	ProShares Pet Care ETF	-1.48%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	21.34
BKCH	Global X Blockchain ETF	26.61
MJ	ETFMG Alternative Harvest ETF	26.70
CGW	Invesco S&P Global Water Index ETF	27.10
BITQ	Bitwise Crypto Industry Innovators ETF	27.39
MSOS	AdvisorShares Pure US Cannabis ETF	27.48
EBLU	Ecofin Global Water ESG Fund	27.66
BLOK	Amplify Transformational Data Sharing ETF	27.71
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	28.24
PIO	Invesco Global Water ETF	28.76

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$470M
TAN	Invesco Solar ETF	\$57M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$34M
ARKG	ARK Genomic Revolution ETF	\$23M
ARKF	ARK Fintech Innovation ETF	\$14M
PBW	Invesco WilderHill Clean Energy ETF	\$10M
MSOS	AdvisorShares Pure US Cannabis ETF	\$8M
TARK	AXS 2X Innovation ETF	\$6M
ICLN	iShares Global Clean Energy ETF	\$6M
CGW	Invesco S&P Global Water Index ETF	\$4M

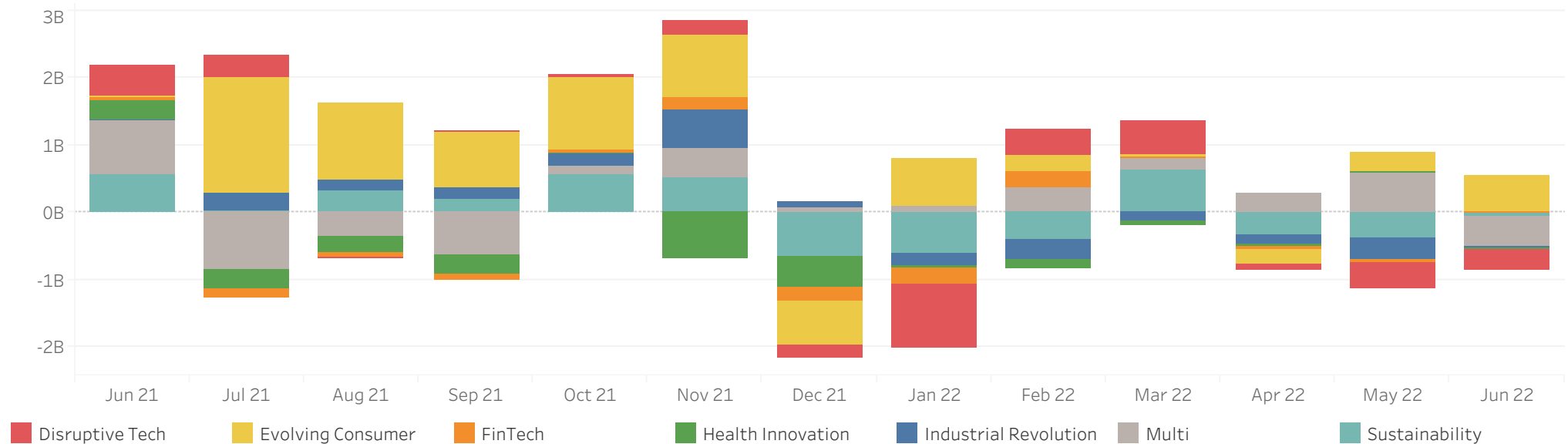
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$153M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$34M)
SKYY	First Trust Cloud Computing ETF	(\$21M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$19M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$11M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$10M)
DTEC	ALPS Disruptive Technologies ETF	(\$10M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)
NXTG	First Trust Indxx NextG ETF	(\$7M)
FIVG	Defiance Next Gen Connectivity ETF	(\$7M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$17B	(\$98M)	(\$628M)	(\$975M)	\$18M
Evolving Consumer	48	\$11B	\$429M	\$1,223M	\$927M	\$6,658M
FinTech	24	\$3B	\$2M	(\$37M)	(\$250M)	(\$293M)
Health Innovation	19	\$3B	\$18M	\$51M	(\$575M)	(\$1,896M)
Industrial Revolution	32	\$12B	(\$19M)	(\$585M)	(\$1,157M)	\$327M
Multi	42	\$13B	(\$223M)	\$241M	\$1,177M	\$645M
Sustainability	41	\$17B	\$58M	(\$711M)	(\$1,483M)	\$397M
Grand Total	241	\$77B	\$168M	(\$446M)	(\$2,337M)	\$5,857M

Thematic Monthly Flows

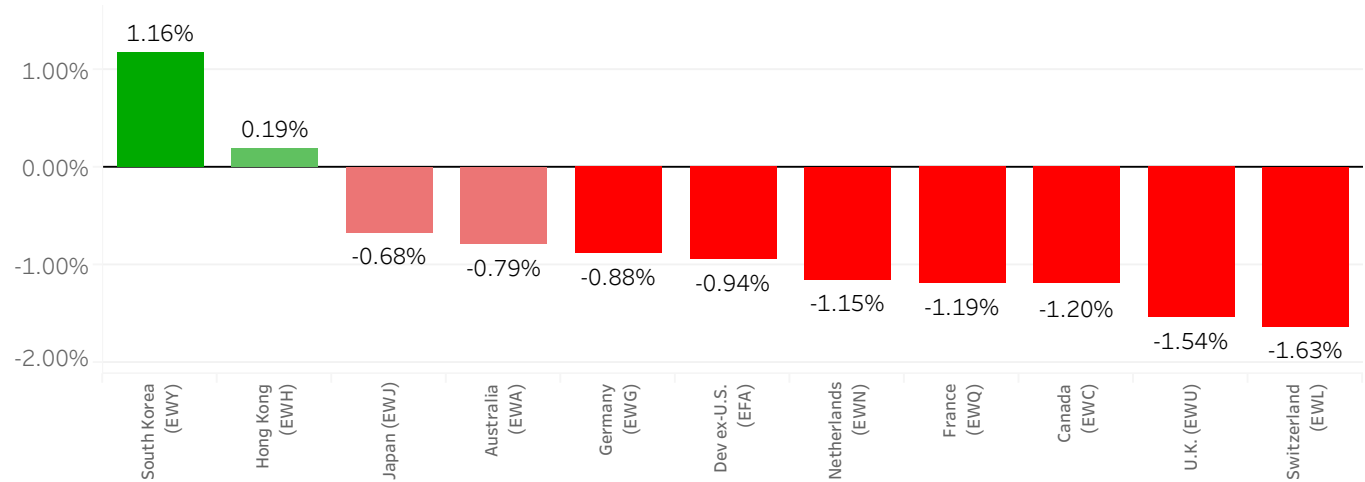


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



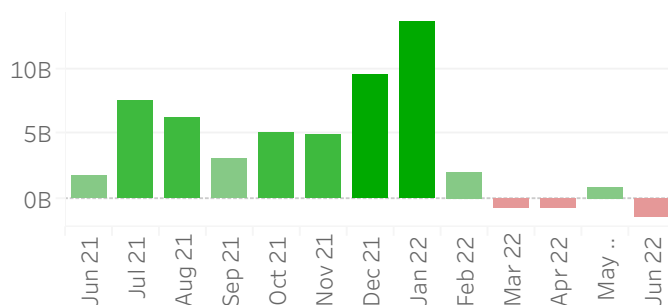
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	1.97%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.56%
EWY	iShares MSCI South Korea ETF	1.16%
EIS	iShares MSCI Israel ETF	0.99%
ISRA	VanEck Israel ETF	0.90%
FLKR	Franklin FTSE South Korea ETF	0.56%
CIL	VictoryShares International Volatility Wtd ETF	0.52%
EWH	iShares MSCI Hong Kong ETF	0.19%
DXJ	WisdomTree Japan Hedged Equity Fund	0.13%
PTIN	Pacer Trendpilot International ETF	-0.02%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
AIA	iShares Asia 50 ETF	46.65
DXJ	WisdomTree Japan Hedged Equity Fund	45.82
AAXJ	iShares MSCI All Country Asia ex Japan ETF	44.46
HEWJ	iShares Currency Hedged MSCI Japan ETF	41.76
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	41.70
PTIN	Pacer Trendpilot International ETF	39.96
EWH	iShares MSCI Hong Kong ETF	39.52
DFJ	WisdomTree Japan SmallCap Dividend Fund	34.10
CIL	VictoryShares International Volatility Wtd ETF	33.81
FSZ	First Trust Switzerland AlphaDEX Fund	33.59

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-2.08%
EDEN	iShares MSCI Denmark ETF	-1.92%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-1.88%
ENZL	iShares MSCI New Zealand ETF	-1.78%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.78%
FKU	First Trust United Kingdom AlphaDEX Fund	-1.69%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-1.69%
EWSP	iShares MSCI Spain ETF	-1.64%
EWL	iShares MSCI Switzerland ETF	-1.63%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.57%

Developed ex-U.S. Most Oversold

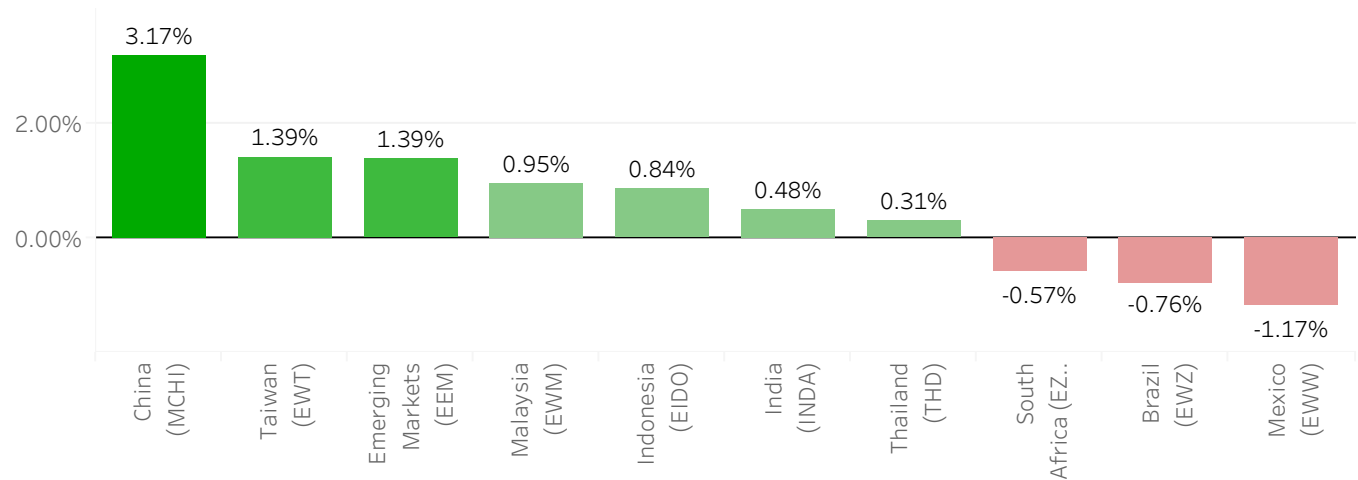
Ticker	Fund	Value
WPS	iShares International Developed Property ETF	20.71
ENZL	iShares MSCI New Zealand ETF	21.96
EFV	iShares MSCI EAFE Min Vol Factor ETF	22.10
EWL	iShares MSCI Switzerland ETF	22.82
QLVD	FlexShares Developed Markets ex-US Quality Low V..	22.88
EWA	iShares MSCI Australia ETF	24.18
EFAD	ProShares MSCI EAFE Dividend Growers ETF	24.82
SCZ	iShares MSCI EAFE Small-Cap ETF	24.94
IEUS	iShares MSCI Europe Small-Cap ETF	25.33
IDLV	Invesco S&P International Developed Low Volatility ..	25.38

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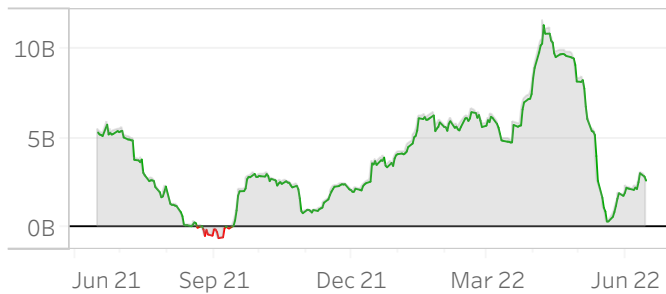
Emerging (EEM)



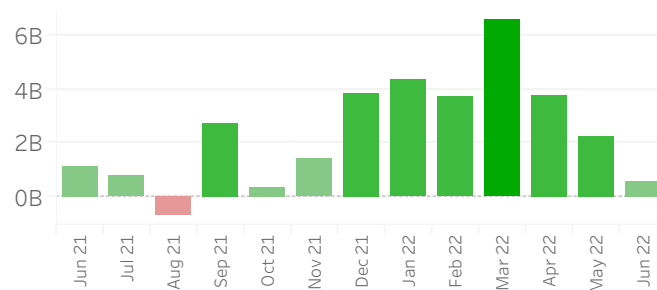
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	6.72%
FNI	First Trust Chindia ETF	4.35%
MCHI	iShares MSCI China ETF	3.17%
GXC	SPDR S&P China ETF	3.13%
FXI	iShares China Large-Cap ETF	3.10%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.03%
FLCH	Franklin FTSE China ETF	2.97%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	2.94%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.17%
BKF	iShares MSCI BIC ETF	2.16%

Emerging Most Overbought

Ticker	Fund	Price
RAYC	Rayliant Quantamental China Equity ETF	57.36
CNYA	iShares MSCI China A ETF	57.30
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	56.29
PGJ	Invesco Golden Dragon China ETF	56.24
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	55.96
FLCH	Franklin FTSE China ETF	55.70
GXC	SPDR S&P China ETF	55.55
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	54.92
MCHI	iShares MSCI China ETF	54.56
FXI	iShares China Large-Cap ETF	54.32

Emerging 1-Day Performance Laggards

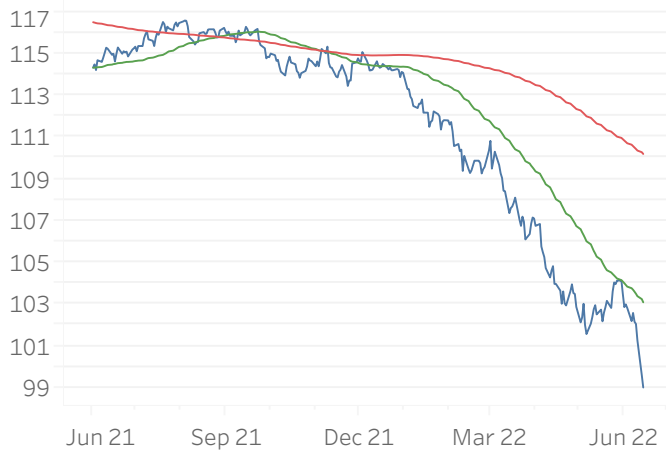
Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.66%
EWZ	iShares MSCI Brazil ETF	-0.76%
AFK	VanEck Africa Index ETF	-0.76%
FLBR	Franklin FTSE Brazil ETF	-0.74%
ILF	iShares Latin America 40 ETF	-0.67%
EZA	iShares MSCI South Africa ETF	-0.57%
ECH	iShares MSCI Chile ETF	-0.38%

Emerging Most Oversold

Ticker	Fund	Price
DVYE	iShares Emerging Markets Dividend ETF	24.02
FM	iShares MSCI Frontier and Select EM ETF	24.37
EWZ	iShares MSCI Brazil ETF	25.26
ILF	iShares Latin America 40 ETF	26.05
KSA	iShares MSCI Saudi Arabia ETF	27.43
EPHE	iShares MSCI Philippines ETF	28.03
FLBR	Franklin FTSE Brazil ETF	28.41

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

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	-0.59%	-3.24%	-12.52%
SHY	1-3 Year Treasury Bonds	-0.19%	-1.33%	-3.95%
IEF	7-10 Year Treasury Bonds	-0.80%	-4.23%	-14.18%
TLT	20+ Year Treasury Bonds	-1.26%	-6.01%	-26.00%
TIP	TIPS Bonds	-1.37%	-3.32%	-9.41%
FLOT	Floating Rate Bonds	0.32%	-0.69%	-1.02%
LQD	Investment Grade Corporate	-0.52%	-3.57%	-18.08%
HYG	High Yield Corporate	0.66%	-3.83%	-13.80%
BKLN	Senior Loan	1.67%	-1.33%	-5.33%
PFF	Preferred & Income Securities	-0.31%	-2.67%	-17.08%
MUB	Municipal Bonds	-0.13%	0.14%	-8.96%
MBB	MBS	-0.36%	-3.79%	-11.48%
EMB	Dollar Denominated EM Bonds	-0.05%	-4.61%	-20.70%
LEMB	Local Currency EM Bond	-0.21%	-0.88%	-13.85%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-3.36%	0.05%	34.25%
DBE	Energy	-1.11%	11.53%	72.72%
USO	WTI Crude Oil	-2.11%	8.82%	62.71%
BNO	Brent Crude Oil	-1.34%	10.36%	68.63%
UNG	Natural Gas	-15.95%	-5.90%	97.92%
UGA	Gasoline	-0.36%	5.77%	81.69%
DBP	Precious Metals	-0.70%	-0.38%	-3.90%
GLD	Gold	-0.80%	-0.13%	-1.40%
SLV	Silver	-0.67%	-0.26%	-9.95%
PPLT	abrdn Physical Platin..	-1.50%	-2.38%	-4.97%
PALL	abrdn Physical Palla..	1.14%	-6.18%	-4.56%
DBB	Base Metals	-1.70%	-3.53%	-4.13%
CPER	Copper	-1.38%	-0.75%	-7.90%
LD	Lead	-0.27%	1.22%	-5.39%
JJN	Nickel	-1.98%	-8.60%	21.89%
JJU	Aluminum	-3.87%	-12.15%	-10.62%
JJT	Tin	-2.34%	-6.32%	-18.20%
DBA	Agriculture	-0.28%	-2.16%	9.87%
CORN	Corn	-0.42%	-2.66%	32.45%
SOYB	Soybeans	-0.25%	1.33%	24.13%
WEAT	Wheat	-1.73%	-7.47%	45.74%
CANE	Sugar	0.21%	-0.94%	3.48%
BAL	Cotton	-2.25%	-6.92%	29.57%
NIB	Cocoa	-1.12%	-7.18%	-13.16%
JO	Coffee	2.33%	6.62%	1.88%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.21%	0.68%	9.87%
UDN	Short Dollar	-0.19%	-0.73%	-9.71%
FXE	Euro	0.03%	0.02%	-8.88%
FXB	British Pound Sterling	-1.09%	-2.11%	-11.46%
FXF	Swiss Franc	-0.33%	0.06%	-9.41%
FXJ	Japanese Yen	-0.60%	-4.35%	-15.01%
FXC	Canadian Dollar	-0.46%	-0.35%	-2.63%
FXA	Australian Dollar	-0.90%	-0.95%	-5.70%

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