

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

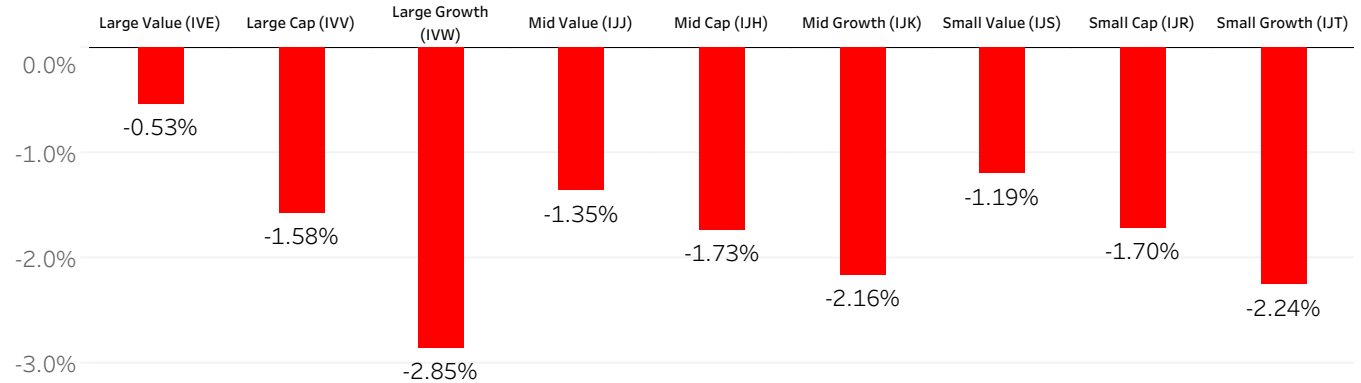


Small Cap Blend (S&P 600) IJR



■ 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
FDL	First Trust Morningstar Dividend Leaders Index Fund	0.27%
DHS	WisdomTree U.S. High Dividend Fund	0.26%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.19%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.10%
SPLV	Invesco S&P 500 Low Volatility ETF	0.09%
DIVZ	TrueShares Low Volatility Equity Income ETF	0.08%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.05%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.01%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
HKND	Humankind US Stock ETF	-0.02%

Size & Style Most Overbought

Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	49.17
FDL	First Trust Morningstar Dividend Leaders Index Fund	44.06
PTLC	Pacer Trendpilot US Large Cap ETF	43.98
RDIV	Invesco S&P Ultra Dividend Revenue ETF	43.24
HDV	iShares Core High Dividend ETF	42.53
ONOF	Global X Adaptive U.S. Risk Management ETF	42.38
DHS	WisdomTree U.S. High Dividend Fund	42.35
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	42.25
PTNQ	Pacer Trendpilot 100 ETF	41.18
SDOG	ALPS Sector Dividend Dogs ETF	40.81

Size & Style 1-Day Performance Laggards

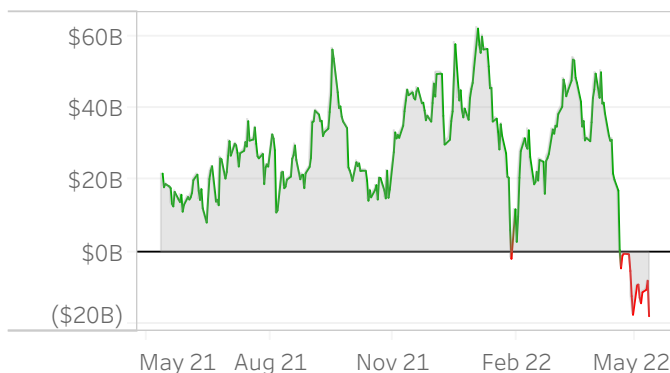
Ticker	Fund	1-Day Performance
MXDU	Nationwide Maximum Diversification US Core Equity ETF	-8.17%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-5.62%
IPO	Renaissance IPO ETF	-5.59%
CLRG	IQ Chaikin U.S. Large Cap ETF	-4.70%
BUZZ	VanEck Social Sentiment ETF	-4.60%
VTWG	Vanguard Russell 2000 Growth ETF	-3.60%
IWO	iShares Russell 2000 Growth ETF	-3.54%
TMFS	Motley Fool Small-Cap Growth ETF	-3.25%
MMLG	First Trust Multi-Manager Large Growth ETF	-3.24%
ONEQ	Fidelity Nasdaq Composite Index ETF	-3.22%

Size & Style Most Oversold

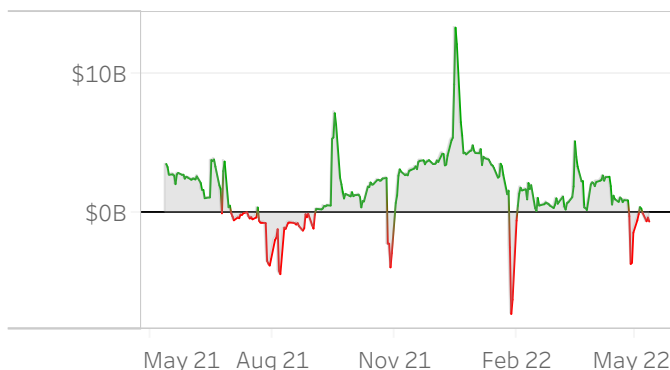
Ticker	Fund	Price
MXDU	Nationwide Maximum Diversification US Core Equit..	16.20
PABU	iShares Paris-Aligned Climate MSCI USA ETF	18.86
FFTY	Innovator IBD 50 ETF	20.52
TMFS	Motley Fool Small-Cap Growth ETF	22.72
IPO	Renaissance IPO ETF	23.52
CLRG	IQ Chaikin U.S. Large Cap ETF	23.86
LCG	Sterling Capital Focus Equity ETF	24.08
IWC	iShares Micro-Cap ETF	25.48
TMFM	Motley Fool Mid-Cap Growth ETF	25.67
ISCG	iShares Morningstar Small-Cap Growth ETF	25.80

*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	\$1,177B	\$3.52B	(\$5.65B)	\$34.46B	\$112.24B
Large Cap, Beta Growth, Beta: Growth	10	\$214B	\$0.49B	\$3.66B	\$4.86B	\$14.00B
Large Cap, Beta Growth, Beta: Value	11	\$214B	\$0.51B	\$3.80B	\$16.43B	\$27.44B
Mid Cap, Beta, Beta	10	\$169B	\$0.39B	\$1.02B	\$7.44B	\$10.19B
Mid Cap, Beta, Beta: Growth	6	\$30B	(\$0.05B)	(\$0.65B)	(\$0.55B)	(\$0.66B)
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.40B)	(\$0.59B)	(\$0.33B)	(\$0.06B)
Small Cap, Beta, Beta	13	\$184B	\$0.90B	\$1.22B	\$1.72B	\$12.59B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.03B	\$0.33B	\$0.89B	\$1.07B
Small Cap, Beta, Beta: Value	7	\$49B	(\$0.24B)	(\$3.88B)	(\$2.62B)	(\$2.30B)

U.S. Size & Style Flow Leaders

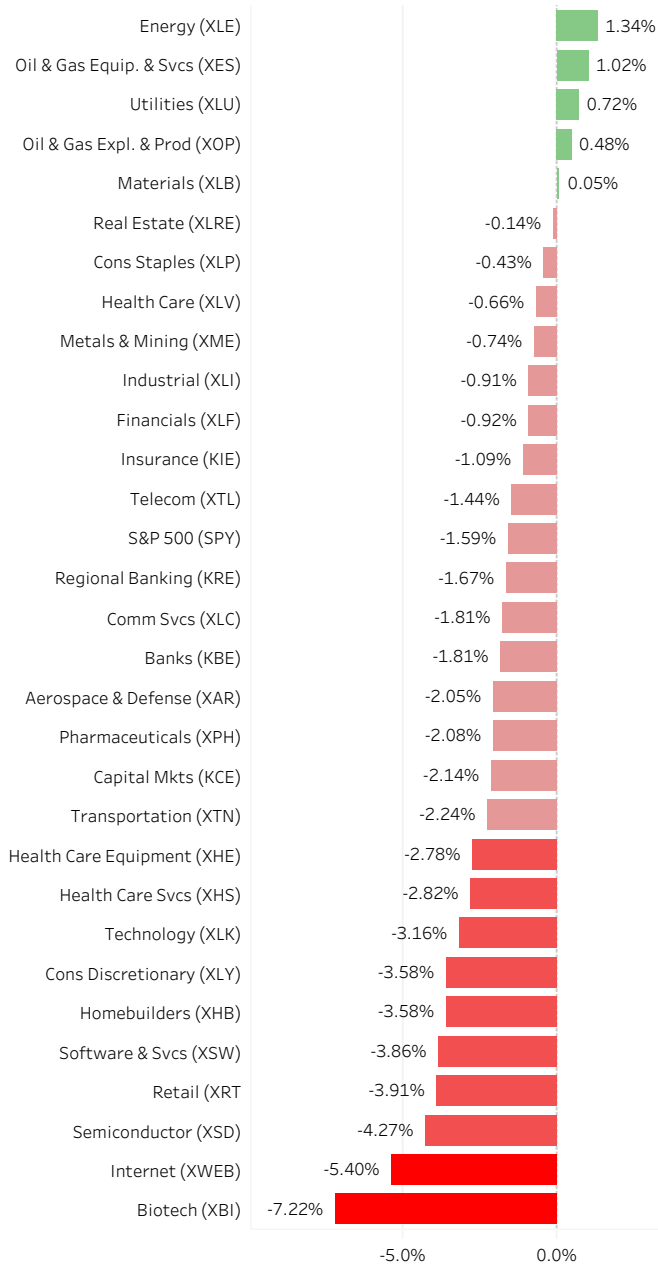
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	\$1.84B	\$8.32B	\$9.21B	\$23.57B	\$165.16B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	\$1.18B	\$1.92B	\$2.49B	\$3.98B	\$7.80B
IWM	iShares Russell 2000 ETF	\$0.90B	\$1.05B	(\$3.67B)	\$0.32B	\$52.34B
VOO	Vanguard S&P 500 ETF	\$0.66B	(\$3.14B)	\$15.11B	\$40.66B	\$249.28B
IVV	iShares Core S&P 500 ETF	\$0.49B	(\$8.30B)	\$7.34B	\$20.26B	\$283.77B
VYM	Vanguard High Dividend Yield Index ETF	\$0.36B	\$2.52B	\$4.78B	\$6.64B	\$43.97B
VTV	Vanguard Value ETF	\$0.36B	\$3.25B	\$11.92B	\$18.50B	\$97.53B
SPY	SPDR S&P 500 ETF Trust	\$0.35B	(\$3.25B)	(\$3.54B)	\$13.50B	\$359.12B
VTI	Vanguard Total Stock Market ETF	\$0.32B	\$5.72B	\$18.99B	\$40.33B	\$256.30B
IWF	iShares Russell 1000 Growth ETF	\$0.29B	(\$0.37B)	(\$0.82B)	(\$0.59B)	\$59.12B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VLUE	iShares MSCI USA Value Factor ETF	(\$0.75B)	(\$1.05B)	(\$3.62B)	(\$4.31B)	\$11.11B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.52B)	(\$0.60B)	(\$0.58B)	(\$0.30B)	\$11.68B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.47B)	\$0.94B	\$3.18B	\$4.50B	\$30.51B
DGRW	WisdomTree US Quality Dividend Growth Fund	(\$0.46B)	(\$0.42B)	(\$0.20B)	\$0.33B	\$6.25B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.23B)	(\$0.12B)	(\$1.26B)	(\$1.16B)	\$7.17B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.18B)	\$0.70B	\$1.47B	(\$0.57B)	\$27.83B
IVE	iShares S&P 500 Value ETF	(\$0.18B)	\$0.90B	\$2.13B	\$2.16B	\$24.00B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.17B)	\$0.16B	\$1.88B	\$1.79B	\$58.39B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.15B)	(\$0.87B)	(\$0.51B)	(\$0.37B)	\$13.02B
OEF	iShares S&P 100 ETF	(\$0.15B)	(\$0.31B)	\$0.20B	\$0.75B	\$7.74B

* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-5.88%	10.22%	-0.75%	2.40%	41.55
XLE	Energy Select Sector SPDR Fund	-6.20%	69.86%	1.04%	25.20%	50.48
XLU	Utilities Select Sector SPDR Fund	-7.34%	12.78%	-2.40%	3.21%	41.95
XLB	Materials Select Sector SPDR Fund	-10.18%	2.88%	-5.49%	-4.90%	35.82
XLV	Health Care Select Sector SPDR Fund	-11.76%	3.87%	-6.28%	-5.35%	33.91
XLI	Industrial Select Sector SPDR Fund	-14.34%	0.00%	-7.79%	-10.12%	31.21
SPY	SPDR S&P 500 ETF Trust	-17.78%	0.00%	-9.42%	-12.26%	31.78
XLRE	Real Estate Select Sector SPDR Fund	-19.46%	0.00%	-11.86%	-11.98%	25.32
XLF	Financial Select Sector SPDR Fund	-19.60%	0.00%	-10.08%	-13.60%	29.95
XLK	Technology Select Sector SPDR Fund	-24.79%	0.00%	-10.92%	-15.86%	35.64
XLY	Consumer Discretionary Select Sector SPDR Fund	-31.16%	0.00%	-16.54%	-22.09%	26.40
XLC	Communication Services Select Sector SPDR Fund	-33.71%	0.00%	-12.56%	-23.93%	33.84

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLE	Energy Select Sector SPDR Fund	1.34%
FENY	Fidelity MSCI Energy Index ETF	1.25%
PXJ	Invesco Dynamic Oil & Gas Services ETF	1.24%
RYE	Invesco S&P 500 Equal Weight Energy ETF	1.23%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.22%
VDE	Vanguard Energy ETF	1.21%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	1.19%
PXI	Invesco DWA Energy Momentum ETF	1.19%
PXE	Invesco Dynamic Energy Exploration & Production ..	1.05%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.02%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLE	Energy Select Sector SPDR Fund	50.48
RYE	Invesco S&P 500 Equal Weight Energy ETF	49.42
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	49.06
IYE	iShares U.S. Energy ETF	48.75
VDE	Vanguard Energy ETF	48.74
FENY	Fidelity MSCI Energy Index ETF	48.71
PXE	Invesco Dynamic Energy Exploration & Production ETF	47.90
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	47.67
IYK	iShares U.S. Consumer Staples ETF	46.40
FXN	First Trust Energy AlphaDEX Fund	46.12

Sector & Industry 1 Day Performance Laggards

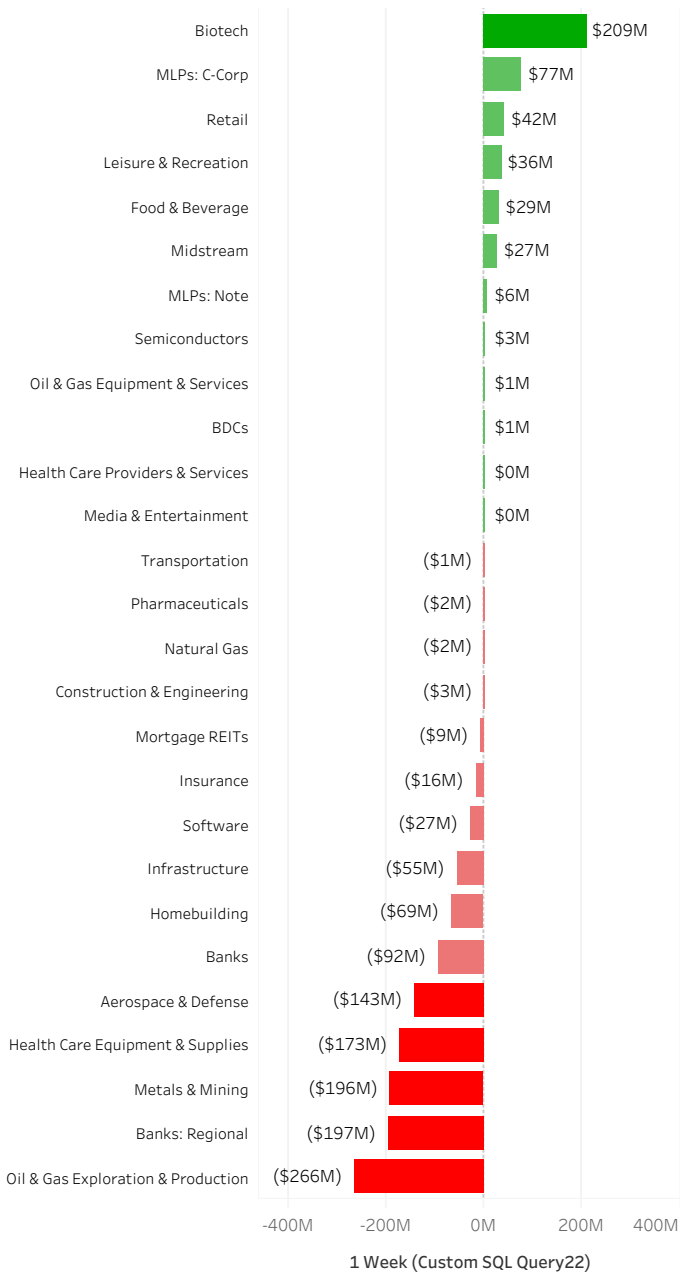
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-7.22%
XSD	SPDR S&P Semiconductor ETF	-4.27%
ITB	iShares U.S. Home Construction ETF	-4.05%
XRT	SPDR S&P Retail ETF	-3.91%
XSW	SPDR S&P Software & Services ETF	-3.86%
VCR	Vanguard Consumer Discretionary ETF	-3.67%
PKB	Invesco Dynamic Building & Construction ETF	-3.60%
XHB	SPDR S&P Homebuilders ETF	-3.58%
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.58%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-3.57%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PPTY	US Diversified Real Estate ETF	23.54
RWR	SPDR Dow Jones REIT ETF	23.95
XHE	SPDR S&P Health Care Equipment ETF	24.04
NURE	Nuveen Short-Term REIT ETF	24.20
REZ	iShares Residential and Multisector Real Estate ETF	24.21
PJP	Invesco Dynamic Pharmaceuticals ETF	24.60
XAR	SPDR S&P Aerospace & Defense ETF	24.63
PSCH	Invesco S&P SmallCap Health Care ETF	24.63
USRT	iShares Core U.S. REIT ETF	24.66
FRI	First Trust S&P REIT Index Fund	24.73

* 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	(\$92M)	(\$491M)	(\$1,766M)	\$294M
Consumer Discretionary	13	\$24B	(\$213M)	(\$1,893M)	(\$4,198M)	(\$4,370M)
Consumer Staples	12	\$28B	(\$290M)	\$2,878M	\$6,205M	\$7,224M
Energy	34	\$76B	(\$86M)	(\$365M)	\$4,986M	\$4,825M
Financials	28	\$65B	(\$1,596M)	(\$13,280M)	(\$6,425M)	(\$4,957M)
Health Care	26	\$83B	(\$688M)	\$3,197M	\$6,871M	\$10,356M
Industrial	14	\$29B	(\$947M)	(\$260M)	(\$1,753M)	(\$5,555M)
Materials	10	\$17B	(\$591M)	\$1,745M	\$1,229M	\$450M
Multi-Sector	18	\$15B	(\$214M)	(\$3,303M)	(\$4,450M)	(\$3,647M)
Real Estate	23	\$68B	(\$636M)	(\$3,112M)	\$42M	\$7,924M
Technology	24	\$120B	(\$414M)	(\$179M)	\$357M	\$5,248M
Utilities	10	\$24B	(\$571M)	\$1,577M	\$3,152M	\$3,581M

U.S. Sector & Industry Flow Leaders

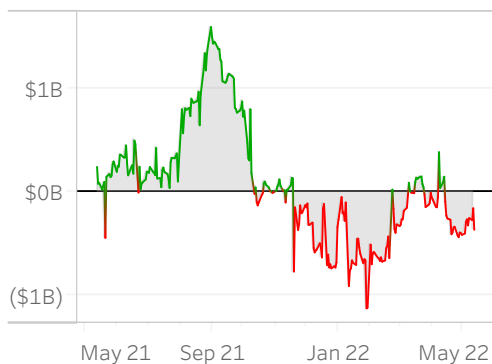
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$385M	(\$1,731M)	\$734M	\$1,117M	\$37,295M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$282M	(\$186M)	\$88M	(\$29M)	\$2,375M
IYC	iShares U.S. Consumer Discretionary ETF	\$149M	\$6M	(\$216M)	(\$385M)	\$944M
ITA	iShares U.S. Aerospace & Defense ETF	\$141M	\$1,417M	\$1,360M	\$992M	\$3,662M
XLV	Health Care Select Sector SPDR Fund	\$133M	\$2,963M	\$5,218M	\$8,073M	\$36,001M
XBI	SPDR S&P BIOTECH ETF	\$128M	\$682M	\$1,673M	\$2,233M	\$5,441M
IYJ	iShares U.S. Industrials ETF	\$112M	(\$47M)	(\$111M)	(\$198M)	\$1,301M
IYG	iShares US Financial Services ETF	\$108M	(\$98M)	(\$81M)	\$381M	\$2,053M
XLC	Communication Services Select Sector SPDR Fu..	\$102M	(\$504M)	(\$1,441M)	(\$283M)	\$9,825M
IBB	iShares Biotechnology ETF	\$88M	(\$163M)	\$88M	(\$328M)	\$7,171M

U.S. Sector & Industry Flow Laggards

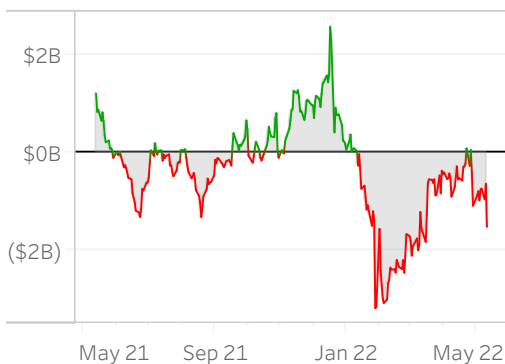
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$923M)	(\$8,405M)	(\$3,744M)	(\$3,720M)	\$34,580M
VHT	Vanguard Health Care ETF	(\$873M)	(\$415M)	\$142M	\$1,125M	\$15,098M
XLI	Industrial Select Sector SPDR Fund	(\$597M)	(\$1,679M)	(\$2,523M)	(\$5,123M)	\$13,612M
VNQ	Vanguard Real Estate ETF	(\$461M)	(\$979M)	\$652M	\$3,738M	\$40,319M
VPU	Vanguard Utilities ETF	(\$415M)	(\$50M)	\$312M	\$529M	\$5,636M
VGT	Vanguard Information Technology ETF	(\$327M)	\$48M	(\$240M)	\$1,798M	\$42,720M
VDE	Vanguard Energy ETF	(\$326M)	(\$495M)	(\$177M)	\$125M	\$7,732M
VDC	Vanguard Consumer Staples ETF	(\$303M)	(\$22M)	\$241M	\$564M	\$6,624M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$282M)	(\$418M)	\$56M	(\$1,007M)	\$4,746M
VIS	Vanguard Industrials ETF	(\$281M)	(\$592M)	(\$912M)	(\$1,246M)	\$3,598M

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

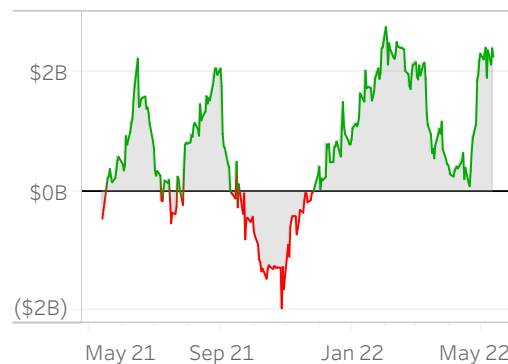
Communication Services



Consumer Discretionary



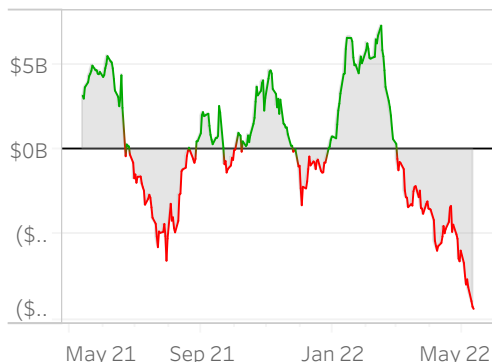
Consumer Staples



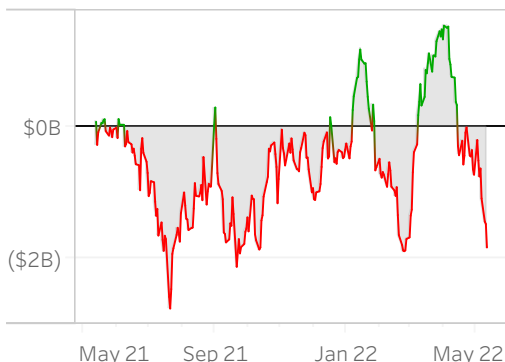
Energy



Financials



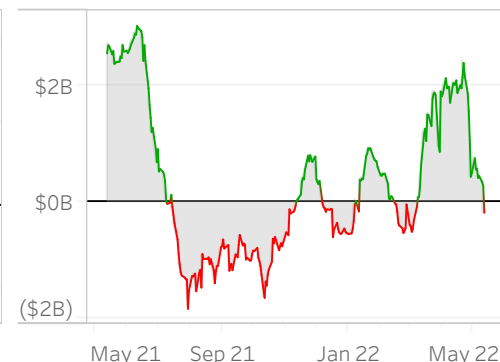
Industrial



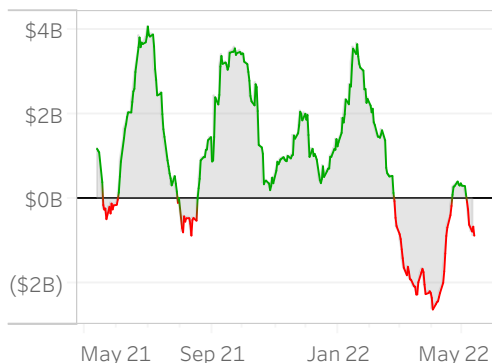
Health Care



Materials



Real Estate



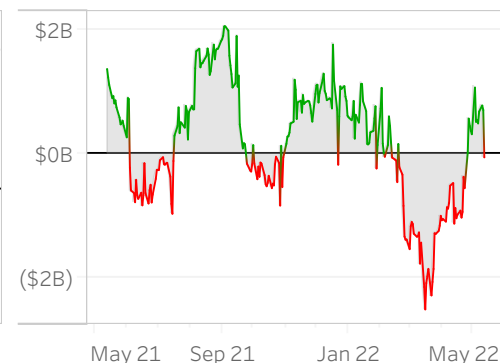
Technology



Utilities

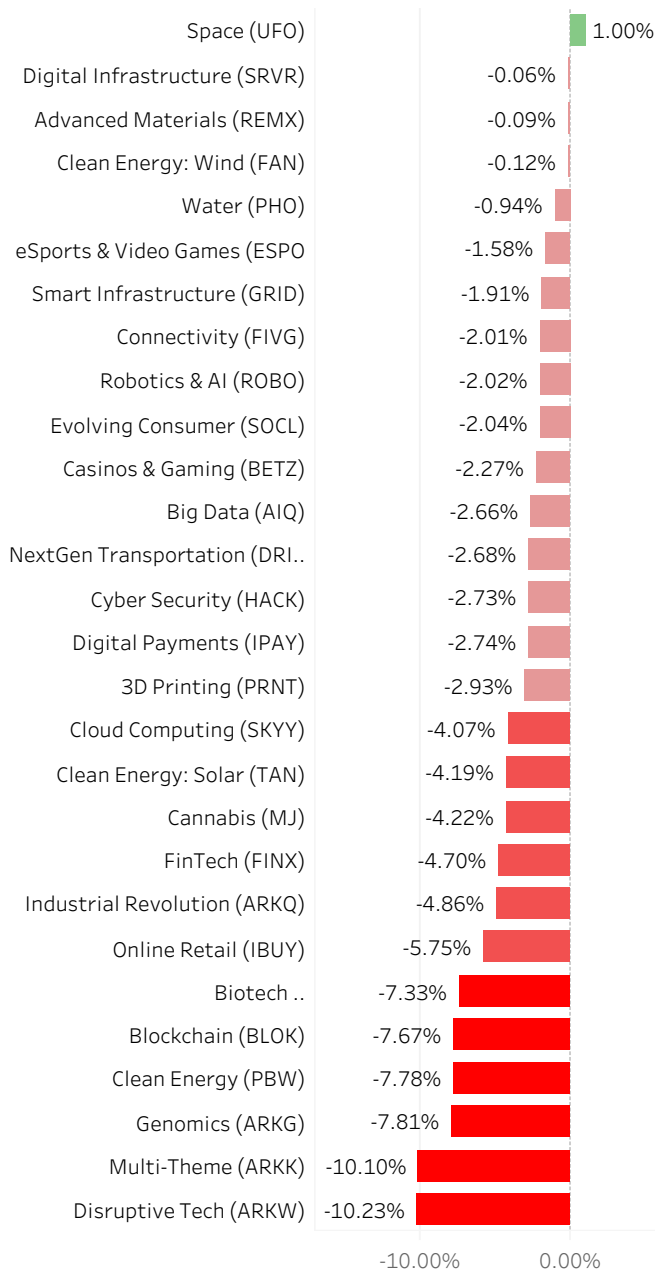


Multi-Sector

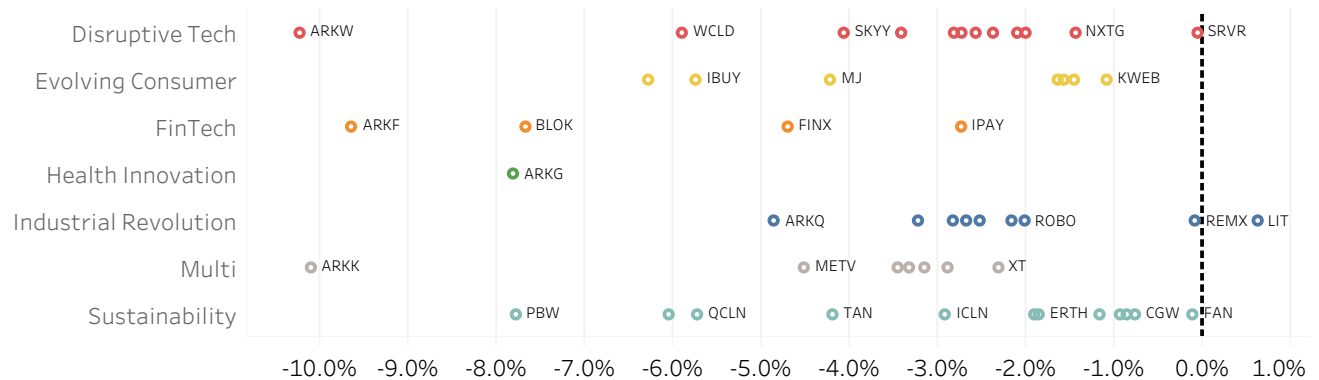


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	2.69%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.18%
UFO	Procure Space ETF	1.00%
LIT	Global X Lithium & Battery Tech ETF	0.62%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-0.06%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.09%
FAN	First Trust Global Wind Energy ETF	-0.12%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.14%
HERO	Global X Video Games & Esports ETF	-0.24%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.36%

Thematic Most Overbought

Ticker	Fund	Price
KSTR	KraneShares SSE STAR Market 50 Index ETF	47.94
KGRN	KraneShares MSCI China Clean Technology Index ETF	40.65
LIT	Global X Lithium & Battery Tech ETF	40.19
KWEB	KraneShares CSI China Internet ETF	39.19
QTUM	Defiance Quantum ETF	34.25
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	33.89
IDRV	iShares Self-driving EV & Tech ETF	33.57
NXTG	First Trust Indxx NextG ETF	33.57
SOCL	Global X Social Media ETF	33.55
FIVG	Defiance Next Gen Connectivity ETF	33.50

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-14.25%
BKCH	Global X Blockchain ETF	-12.01%
ARKW	ARK Next Generation Internet ETF	-10.23%
ARKK	ARK Innovation ETF	-10.10%
ARKF	ARK Fintech Innovation ETF	-9.65%
ARKG	ARK Genomic Revolution ETF	-7.81%
PBW	Invesco WilderHill Clean Energy ETF	-7.78%
BLOK	Amplify Transformational Data Sharing ETF	-7.67%
SBIO	ALPS Medical Breakthroughs ETF	-7.33%
POTX	Global X Cannabis ETF	-6.46%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	15.36
GDOC	Goldman Sachs Future Health Care Equity ETF	16.92
CNBS	Amplify Seymour Cannabis ETF	17.40
GBUY	Goldman Sachs Future Consumer Equity ETF	18.29
PAWZ	ProShares Pet Care ETF	19.38
POTX	Global X Cannabis ETF	20.39
BITQ	Bitwise Crypto Industry Innovators ETF	20.44
IZRL	ARK Israel Innovative Technology ETF	20.79
BKCH	Global X Blockchain ETF	21.08
PRNT	3D Printing ETF	21.83

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

Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$502M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$16M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$13M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$8M
ARKG	ARK Genomic Revolution ETF	\$4M
TARK	AXS 2X Innovation ETF	\$4M
SAMT	Strategas Macro Thematic Opportunities ETF	\$3M
ONLN	ProShares Online Retail ETF	\$3M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$3M
IVEG	iShares Emergent Food and AgTech Multisector ETF	\$2M

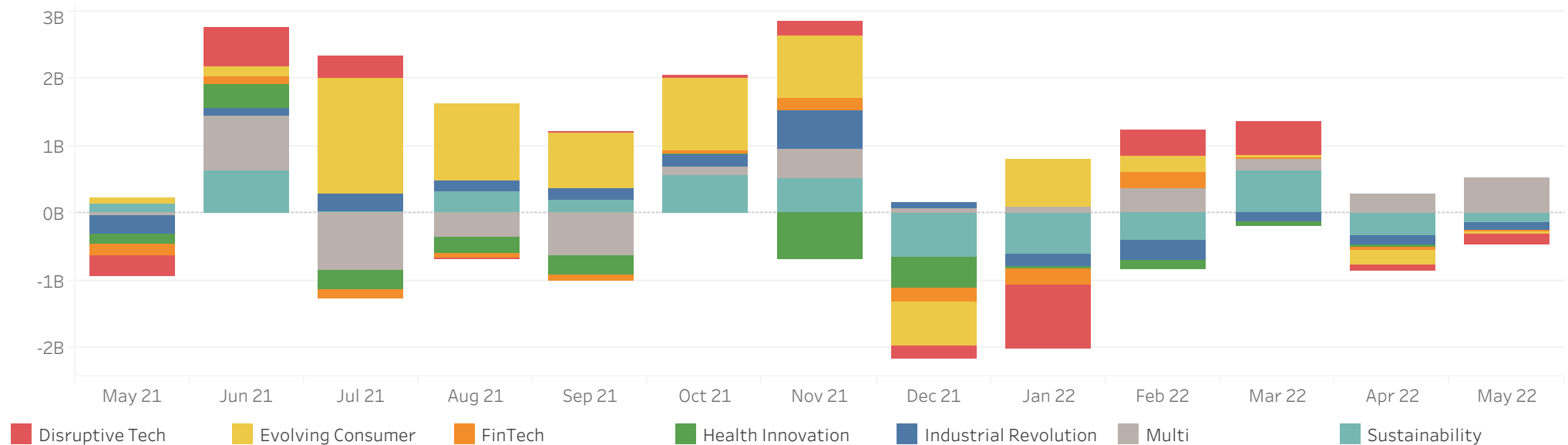
Thematic 1 Week Flow Laggards

Ticker	Fund	
ICLN	iShares Global Clean Energy ETF	(\$66M)
XT	iShares Exponential Technologies ETF	(\$52M)
LIT	Global X Lithium & Battery Tech ETF	(\$50M)
SKYY	First Trust Cloud Computing ETF	(\$40M)
KWEB	KraneShares CSI China Internet ETF	(\$20M)
ARKW	ARK Next Generation Internet ETF	(\$20M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$19M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$18M)
IHAK	iShares Cybersecurity & Tech ETF	(\$16M)
NXTG	First Trust Indxx NextG ETF	(\$14M)

Thematic Landscape Assets & Flows

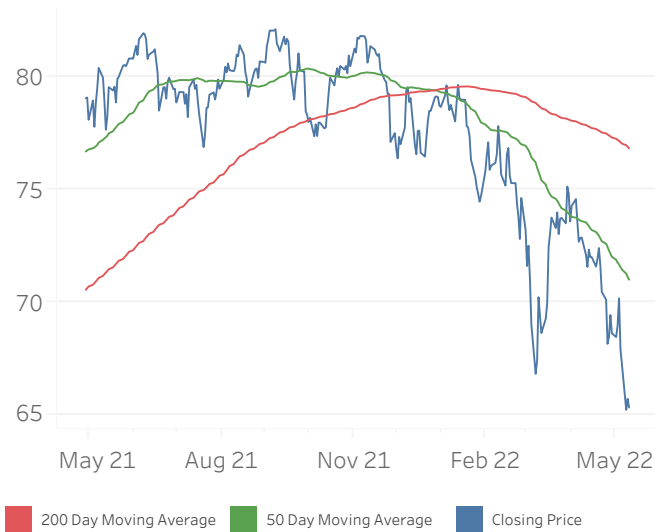
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$108M)	\$391M	(\$1,039M)	\$381M
Evolving Consumer	47	\$10B	(\$67M)	(\$296M)	\$692M	\$5,984M
FinTech	24	\$3B	(\$19M)	\$94M	(\$220M)	(\$392M)
Health Innovation	19	\$3B	(\$12M)	(\$168M)	(\$1,349M)	(\$1,960M)
Industrial Revolution	32	\$12B	(\$89M)	(\$418M)	(\$343M)	\$352M
Multi	41	\$15B	\$87M	\$1,406M	\$2,028M	\$1,009M
Sustainability	40	\$16B	(\$124M)	(\$54M)	(\$1,356M)	\$916M
Grand Total	238	\$79B	(\$333M)	\$954M	(\$1,587M)	\$6,289M

Thematic Monthly Flows

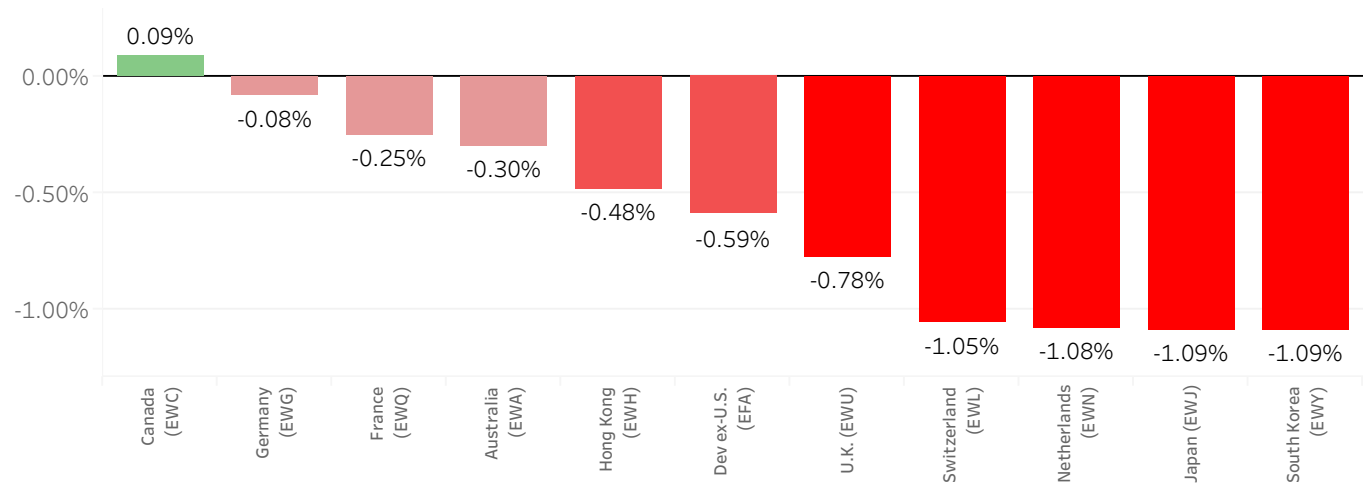


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

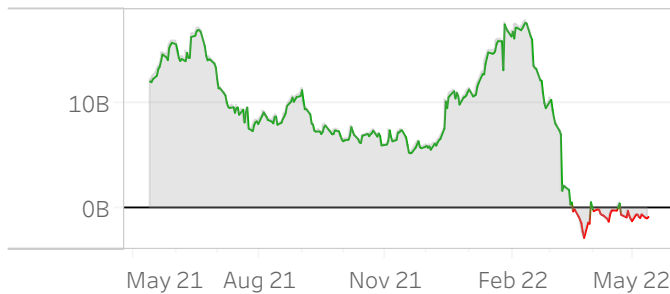
Developed ex-U.S. (EFA)



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



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



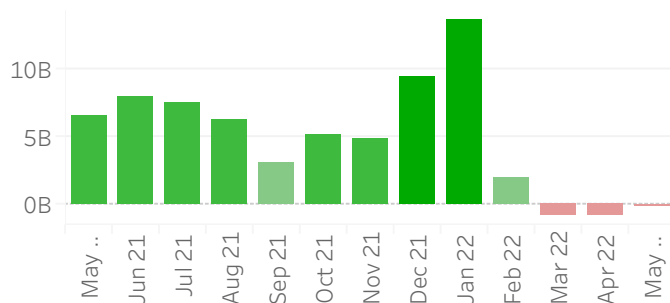
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	1.90%
PIZ	Invesco DWA Developed Markets Momentum ETF	0.45%
EWD	iShares MSCI Sweden ETF	0.36%
IEUS	iShares MSCI Europe Small-Cap ETF	0.34%
WPS	iShares International Developed Property ETF	0.31%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.24%
BBCA	JPMorgan BetaBuilders Canada ETF	0.23%
ENZL	iShares MSCI New Zealand ETF	0.13%
EWP	iShares MSCI Spain ETF	0.13%
EWI	iShares MSCI Italy ETF	0.11%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	42.13
FSZ	First Trust Switzerland AlphaDEX Fund	41.33
HEWJ	iShares Currency Hedged MSCI Japan ETF	40.06
LVHI	Legg Mason International Low Volatility High Dividend ETF	39.71
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	39.55
HEDJ	WisdomTree Europe Hedged Equity Fund	38.14
HEZU	iShares Currency Hedged MSCI Eurozone ETF	38.01
GREK	Global X MSCI Greece ETF	37.42
EWP	iShares MSCI Spain ETF	37.32
AIVI	WisdomTree International AI Enhanced Value Fund	36.78

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ISRA	VanEck Israel ETF	-2.16%
CIL	VictoryShares International Volatility Wtd ETF	-1.93%
EWJV	iShares MSCI Japan Value ETF	-1.62%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-1.50%
TOK	iShares MSCI Kokusai ETF	-1.49%
EDEN	iShares MSCI Denmark ETF	-1.45%
EIRL	iShares MSCI Ireland ETF	-1.36%
DXJ	WisdomTree Japan Hedged Equity Fund	-1.36%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-1.35%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-1.26%

Developed ex-U.S. Most Oversold

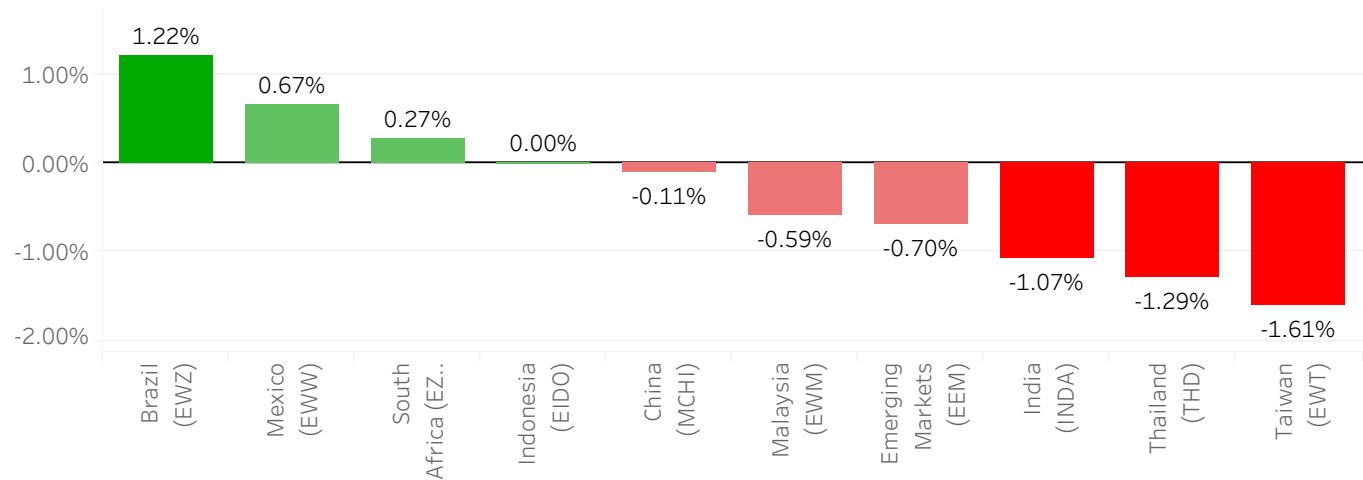
Ticker	Fund	Value
WPS	iShares International Developed Property ETF	19.39
EWUS	iShares MSCI United Kingdom Small Cap ETF	20.02
EIS	iShares MSCI Israel ETF	22.55
ISRA	VanEck Israel ETF	22.80
ENZL	iShares MSCI New Zealand ETF	23.36
SCHC	Schwab International Small-Cap Equity ETF	25.52
IEUS	iShares MSCI Europe Small-Cap ETF	25.75
DFE	WisdomTree Europe SmallCap Dividend Fund	25.88
EWL	iShares MSCI Switzerland ETF	26.18
NORW	Global X MSCI Norway ETF	26.19

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

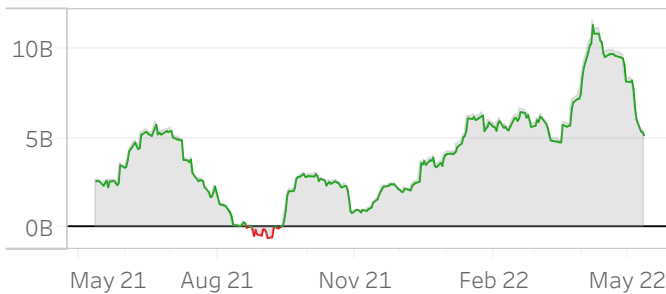
Emerging (EEM)



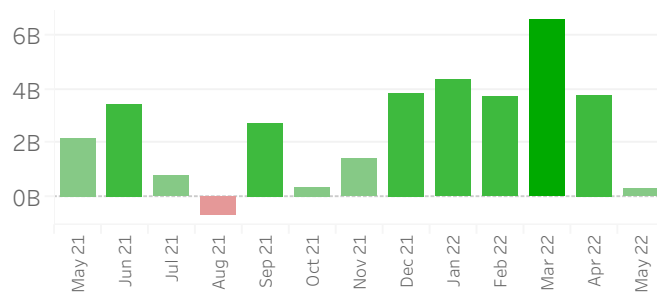
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	1.99%
CNYA	iShares MSCI China A ETF	1.27%
RAYC	Rayliant Quantamental China Equity ETF	1.24%
EWZ	iShares MSCI Brazil ETF	1.22%
ILF	iShares Latin America 40 ETF	1.10%
FLBR	Franklin FTSE Brazil ETF	1.06%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.96%
EWW	iShares MSCI Mexico ETF	0.67%
ECH	iShares MSCI Chile ETF	0.60%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.52%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	43.75
QAT	iShares MSCI Qatar ETF	42.01
KSA	iShares MSCI Saudi Arabia ETF	40.40
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	39.88
CNYA	iShares MSCI China A ETF	39.04
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	38.47
RAYC	Rayliant Quantamental China Equity ETF	38.44
ECH	iShares MSCI Chile ETF	37.88
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	37.65
FXI	iShares China Large-Cap ETF	37.11

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FNI	First Trust Chindia ETF	-2.67%
PGJ	Invesco Golden Dragon China ETF	-2.49%
TUR	iShares MSCI Turkey ETF	-2.21%
SMIN	iShares MSCI India Small Cap ETF	-1.99%
EYLD	Cambria Emerging Shareholder Yield ETF	-1.95%
EPOL	iShares MSCI Poland ETF	-1.88%
PIE	Invesco DWA Emerging Markets Momentum ETF	-1.78%
EPI	WisdomTree India Earnings Fund	-1.67%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.61%
EWT	iShares MSCI Taiwan ETF	-1.61%

Emerging Most Oversold

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	18.90
FM	iShares MSCI Frontier and Select EM ETF	19.95
SMIN	iShares MSCI India Small Cap ETF	20.23
GLIN	VanEck India Growth Leaders ETF	21.41
AFK	VanEck Africa Index ETF	23.61
EPOL	iShares MSCI Poland ETF	24.03
PIN	Invesco India ETF	24.21
INDA	iShares MSCI India ETF	25.02
EPI	WisdomTree India Earnings Fund	25.17
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	25.26

*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	0.37%	-1.28%	-9.37%
SHY	1-3 Year Treasury Bonds	0.01%	0.02%	-2.76%
IEF	7-10 Year Treasury Bonds	0.62%	-0.69%	-10.22%
TLT	20+ Year Treasury Bonds	1.93%	-4.06%	-19.94%
TIP	TIPS Bonds	1.21%	-1.54%	-6.38%
FLOT	Floating Rate Bonds	0.02%	-0.03%	-0.35%
LQD	Investment Grade Corporate	0.47%	-3.11%	-14.64%
HYG	High Yield Corporate	-0.60%	-3.31%	-10.44%
BKLN	Senior Loan	-1.28%	-3.33%	-4.42%
PFF	Preferred & Income Securities	-0.30%	-6.08%	-15.69%
MUB	Municipal Bonds	-0.08%	-2.40%	-8.75%
MBB	MBS	0.34%	-0.87%	-8.08%
EMB	Dollar Denominated EM Bonds	0.44%	-4.52%	-16.79%
LEMB	Local Currency EM Bond	-0.18%	-5.94%	-12.80%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	3.50%	1.33%	33.00%
DBE	Energy	3.19%	10.84%	51.46%
USO	WTI Crude Oil	4.90%	8.13%	43.82%
BNO	Brent Crude Oil	4.78%	8.65%	46.63%
UNG	Natural Gas	6.41%	13.22%	111.21%
UGA	Gasoline	4.44%	22.31%	59.81%
DBP	Precious Metals	1.18%	-7.32%	-1.21%
GLD	Gold	0.82%	-5.24%	1.09%
SLV	Silver	1.64%	-14.17%	-7.62%
PPLT	abrdn Physical Platin..	3.07%	1.73%	2.97%
PALL	abrdn Physical Palla..	-1.84%	-17.29%	6.51%
DBB	Base Metals	1.88%	-12.49%	-0.18%
CPER	Copper	0.87%	-9.43%	-6.47%
LD	Lead	-0.33%	-8.36%	-4.60%
JJN	Nickel	-1.60%	-14.15%	34.09%
JJU	Aluminum	-0.82%	-14.57%	-1.53%
JJT	Tin	2.60%	-17.03%	-7.05%
DBA	Agriculture	1.82%	-2.93%	10.73%
CORN	Corn	2.28%	2.85%	35.61%
SOYB	Soybeans	0.73%	-1.71%	20.97%
WEAT	Wheat	3.48%	4.25%	52.77%
CANE	Sugar	0.11%	-7.23%	1.85%
BAL	Cotton	1.23%	7.36%	31.53%
NIB	Cocoa	1.30%	-7.25%	-6.14%
JO	Coffee	6.14%	-8.20%	-3.14%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.11%	4.04%	8.51%
UDN	Short Dollar	-0.09%	-4.12%	-8.40%
FXE	Euro	-0.19%	-3.43%	-7.90%
FXB	British Pound Sterling	-0.56%	-6.05%	-9.58%
FXF	Swiss Franc	0.09%	-6.47%	-8.70%
FXJ	Japanese Yen	0.36%	-3.56%	-11.55%
FXC	Canadian Dollar	0.23%	-2.80%	-2.85%
FXA	Australian Dollar	-0.08%	-6.60%	-4.72%

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

Disclaimer of Warranties

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

Additional Disclaimers

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses *resulting from use of the services*. *Past performance* does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

Data Reliability and Definitions

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

Source Data & ETF Issuer Information ..

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

team@etfaction.com

www.etfaction.com