

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

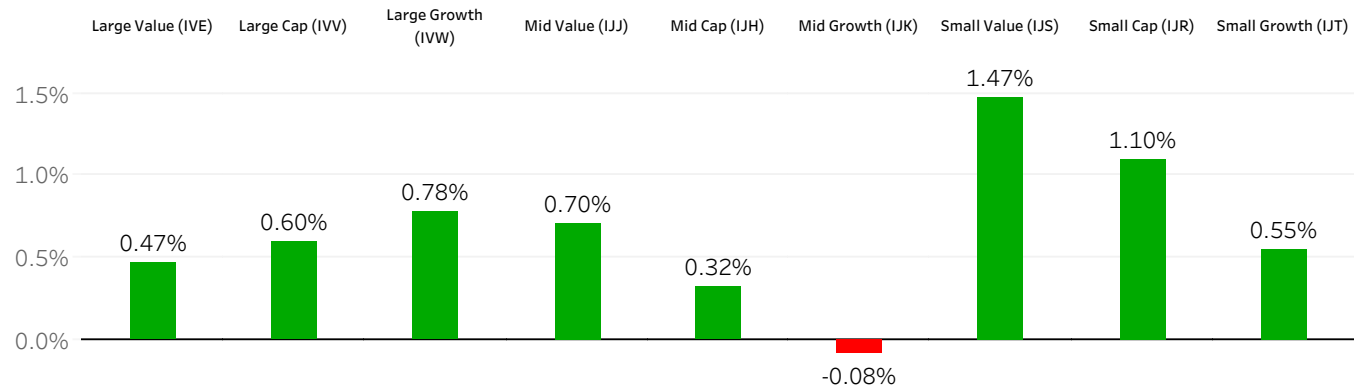


Small Cap Blend (S&P 600) IJR



■ 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
RZV	Invesco S&P Smallcap 600 Pure Value ETF	1.95%
IWC	iShares Micro-Cap ETF	1.87%
QQH	HCM Defender 100 Index ETF	1.65%
SLYV	SPDR S&P 600 Small Cap Value ETF	1.61%
EWSC	Invesco S&P Smallcap 600 Equal Weight ETF	1.57%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.54%
VLUE	iShares MSCI USA Value Factor ETF	1.50%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	1.49%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	1.48%
IJS	iShares S&P Small-Cap 600 Value ETF	1.47%

Size & Style Most Overbought

Ticker	Fund	Price
FDL	First Trust Morningstar Dividend Leaders Index Fund	69.76
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	69.34
DHS	WisdomTree U.S. High Dividend Fund	69.32
RFDA	RiverFront Dynamic US Dividend Advantage ETF	68.36
VLUE	iShares MSCI USA Value Factor ETF	67.97
PEY	Invesco High Yield Equity Dividend Achievers ETF	67.64
DTN	WisdomTree U.S. Dividend ex-Financials Fund	67.41
DLN	WisdomTree U.S. LargeCap Dividend Fund	67.19
DTD	WisdomTree U.S. Total Dividend Fund	67.02
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	66.61

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-2.23%
PSET	Principal Quality ETF	-1.60%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	-1.52%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	-1.52%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-1.48%
PDP	Invesco DWA Momentum ETF	-1.46%
AIEQ	AI Powered Equity ETF	-1.41%
FTC	First Trust Large Cap Growth AlphaDEX Fund	-1.31%
IPO	Renaissance IPO ETF	-1.28%
VOT	Vanguard Mid-Cap Growth ETF	-1.28%

Size & Style Most Oversold

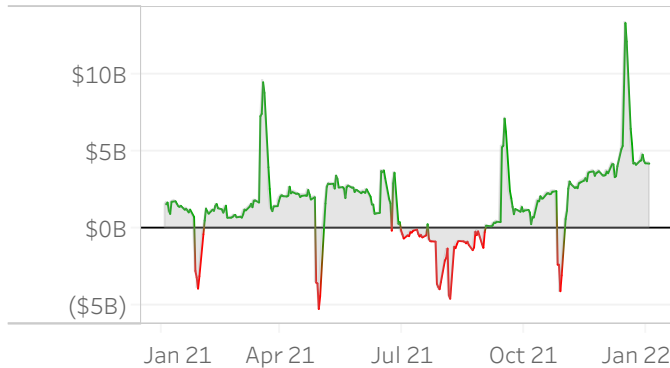
Ticker	Fund	Price
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy..	24.69
TTAC	FCF US Quality ETF	33.44
NUMG	Nuveen ESG Mid-Cap Growth ETF	34.67
BIBL	Inspire 100 ETF	36.62
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovati..	39.73
SQEW	LeaderShares Equity Skew ETF	40.24
IPO	Renaissance IPO ETF	42.22
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight E..	42.34
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	43.66
AIEQ	AI Powered Equity ETF	43.82

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

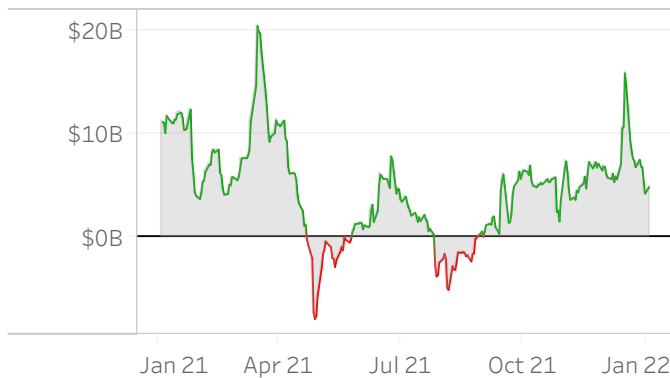
Large-Cap 30-Day Rolling Flows



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	24	\$1,436B	\$18.29B	\$79.07B	\$108.73B	\$156.77B
Large Cap, Beta Growth, Beta: Growth	10	\$282B	\$0.64B	\$4.66B	\$10.73B	\$9.27B
Large Cap, Beta Growth, Beta: Value	11	\$217B	\$0.54B	\$6.76B	\$10.27B	\$30.30B
Mid Cap, Beta, Beta	10	\$200B	\$0.34B	\$6.41B	\$7.02B	\$12.35B
Mid Cap, Beta, Beta: Value	6	\$43B	\$0.29B	\$0.77B	\$0.79B	\$4.04B
Mid Cap, Beta, Beta: Growth	6	\$42B	\$0.17B	\$1.08B	\$1.12B	(\$1.55B)
Small Cap, Beta, Beta: Value	7	\$59B	\$0.11B	\$0.84B	(\$0.31B)	\$7.05B
Small Cap, Beta, Beta: Growth	7	\$39B	\$0.05B	\$0.69B	\$1.19B	\$1.68B
Small Cap, Beta, Beta	12	\$229B	(\$0.50B)	\$8.24B	\$11.95B	\$22.54B

U.S. Size & Style Flow Leaders

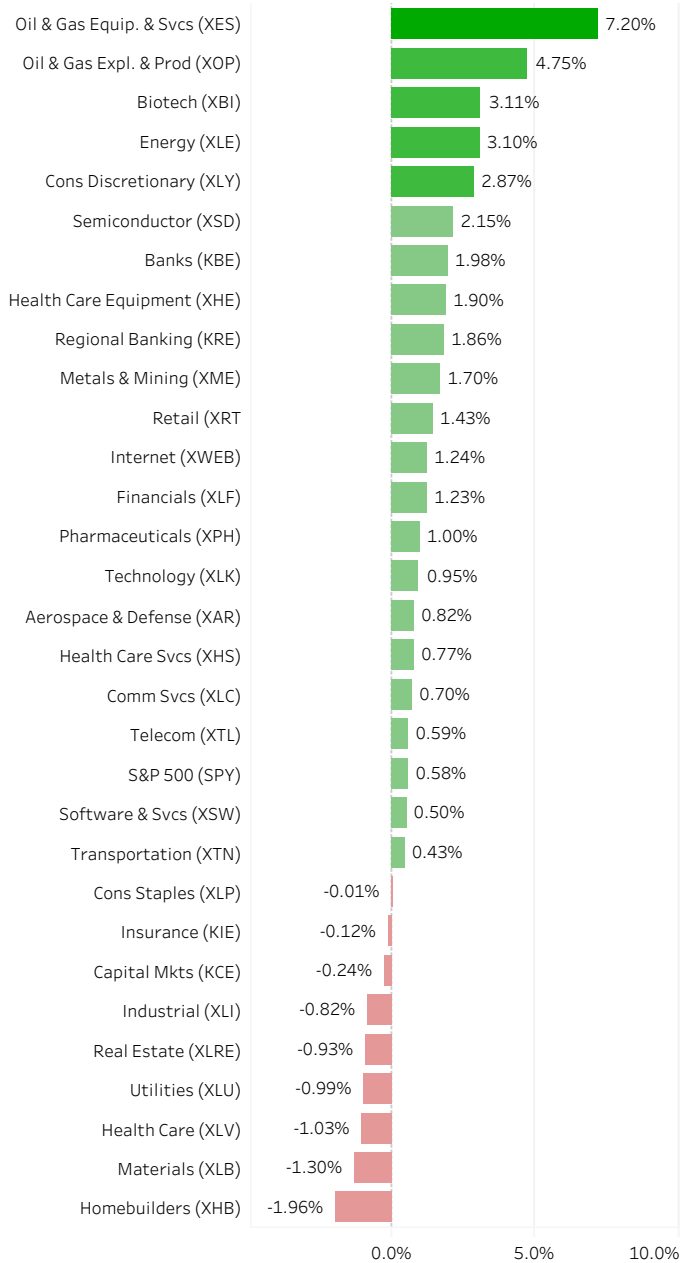
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$12.44B	\$36.02B	\$42.58B	\$40.14B	\$460.78B
IVV	iShares Core S&P 500 ETF	\$2.77B	\$19.01B	\$18.97B	\$31.03B	\$337.14B
QQQ	Invesco QQQ Trust	\$1.30B	\$13.06B	\$17.87B	\$22.61B	\$215.95B
VOO	Vanguard S&P 500 ETF	\$1.05B	\$6.01B	\$19.90B	\$47.04B	\$279.85B
VTI	Vanguard Total Stock Market ETF	\$0.84B	\$12.62B	\$24.03B	\$44.39B	\$299.09B
VTV	Vanguard Value ETF	\$0.31B	\$2.81B	\$5.15B	\$15.31B	\$92.78B
IWB	iShares Russell 1000 ETF	\$0.29B	\$0.31B	\$0.22B	\$0.44B	\$32.73B
IWF	iShares Russell 1000 Growth ETF	\$0.28B	(\$0.30B)	\$1.15B	(\$1.87B)	\$79.18B
IJR	iShares Core S&P Small Cap ETF	\$0.28B	\$3.86B	\$3.08B	\$5.51B	\$75.62B
ALTL	Pacer Lunt Large Cap Alternator ETF	\$0.22B	\$0.35B	\$0.43B	\$0.47B	\$0.56B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.06B)	\$0.99B	\$2.41B	\$3.08B	\$69.14B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.48B)	(\$0.29B)	(\$0.27B)	\$0.04B	\$3.85B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.20B)	(\$0.08B)	\$0.17B	\$0.47B	\$4.25B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.16B)	\$0.46B	(\$0.40B)	\$0.06B	\$21.94B
SLYV	SPDR S&P 600 Small Cap Value ETF	(\$0.06B)	\$0.16B	\$0.19B	\$0.65B	\$4.25B
VONG	Vanguard Russell 1000 Growth ETF	(\$0.04B)	\$0.38B	\$0.70B	\$1.19B	\$8.28B
SPHB	Invesco S&P 500 High Beta ETF	(\$0.03B)	\$0.09B	(\$0.61B)	\$0.60B	\$1.48B
XMMO	Invesco S&P MidCap Momentum ETF	(\$0.03B)	(\$0.05B)	(\$0.01B)	(\$0.02B)	\$0.96B
IPO	Renaissance IPO ETF	(\$0.02B)	(\$0.06B)	(\$0.17B)	(\$0.28B)	\$0.39B
CFA	VictoryShares US 500 Volatility Wtd ETF	(\$0.02B)	(\$0.05B)	(\$0.08B)	(\$0.15B)	\$0.69B

\* 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)
SPY	SPDR S&P 500 ETF Trust	0.00%	29.09%	2.57%	8.79%	60.35
XLP	Consumer Staples Select Sector SPDR Fund	-0.01%	21.80%	5.05%	8.18%	69.58
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.53%	34.96%	3.05%	13.64%	62.32
XLK	Technology Select Sector SPDR Fund	-0.64%	39.49%	3.98%	14.69%	58.22
XLRE	Real Estate Select Sector SPDR Fund	-0.93%	42.19%	4.79%	12.07%	63.28
XLU	Utilities Select Sector SPDR Fund	-0.99%	21.44%	3.80%	6.42%	61.30
XLB	Materials Select Sector SPDR Fund	-1.30%	26.60%	1.92%	5.74%	56.03
XLV	Health Care Select Sector SPDR Fund	-1.45%	25.85%	3.49%	7.98%	60.37
XLI	Industrial Select Sector SPDR Fund	-2.04%	23.79%	0.26%	1.88%	53.00
XLF	Financial Select Sector SPDR Fund	-2.68%	36.55%	0.42%	4.73%	56.00
XLE	Energy Select Sector SPDR Fund	-3.25%	45.52%	1.26%	8.60%	58.34
XLC	Communication Services Select Sector SPDR Fund	-9.10%	19.80%	-0.29%	-2.01%	52.74

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	7.20%
IEZ	iShares U.S. Oil Equipment & Services ETF	6.36%
PSCE	Invesco S&P SmallCap Energy ETF	5.94%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.75%
PXE	Invesco Dynamic Energy Exploration & Production ..	4.56%
FCG	First Trust Natural Gas ETF	3.90%
AMZA	InfraCap MLP ETF	3.84%
PXI	Invesco DWA Energy Momentum ETF	3.81%
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.50%
FENY	Fidelity MSCI Energy Index ETF	3.23%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWY	Invesco KBW Premium Yield Equity REIT ETF	75.26
IYK	iShares U.S. Consumer Staples ETF	74.31
VDC	Vanguard Consumer Staples ETF	73.14
PSCC	Invesco S&P SmallCap Consumer Staples ETF	71.54
FXG	First Trust Consumer Staples AlphaDEX Fund	71.49
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	70.71
DFRA	Donoghue Forlines Yield Enhanced Real Asset ETF	70.66
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	70.31
XLP	Consumer Staples Select Sector SPDR Fund	69.58
PBJ	Invesco Dynamic Food & Beverage ETF	69.38

### Sector & Industry 1 Day Performance Laggards

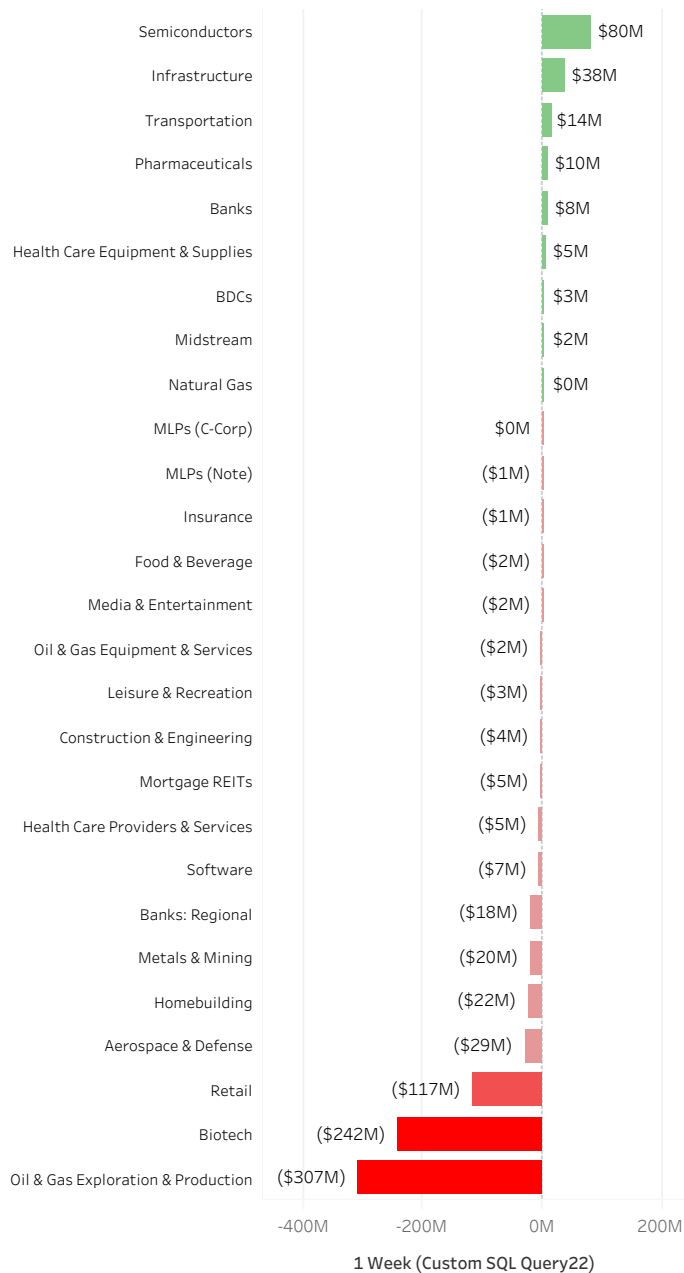
Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	-2.69%
PTH	Invesco DWA Healthcare Momentum ETF	-2.09%
PRN	Invesco DWA Industrials Momentum ETF	-2.09%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-2.00%
XHB	SPDR S&P Homebuilders ETF	-1.96%
PFI	Invesco DWA Financial Momentum ETF	-1.32%
FXH	First Trust Health Care AlphaDEX Fund	-1.31%
XLB	Materials Select Sector SPDR Fund	-1.30%
PKB	Invesco Dynamic Building & Construction ETF	-1.30%
IGV	iShares Expanded Tech-Software Sector ETF	-1.15%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSJ	Invesco Dynamic Software ETF	37.52
IGV	iShares Expanded Tech-Software Sector ETF	42.08
PFI	Invesco DWA Financial Momentum ETF	44.23
PNQI	Invesco NASDAQ Internet ETF	44.61
FDN	First Trust Dow Jones Internet Index Fund	45.88
PEZ	Invesco DWA Consumer Cyclical Momentum ETF	46.11
PRN	Invesco DWA Industrials Momentum ETF	47.28
IBB	iShares Biotechnology ETF	48.43
MORT	VanEck Mortgage REIT Income ETF	48.59
PTH	Invesco DWA Healthcare Momentum ETF	48.62

\* 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	\$20B	\$128M	(\$555M)	\$1,152M	\$1,196M
Consumer Discretionary	13	\$38B	(\$226M)	\$1,450M	\$494M	\$2,244M
Consumer Staples	12	\$23B	\$152M	\$635M	\$1,429M	(\$1,349M)
Energy	34	\$55B	(\$84M)	\$552M	\$401M	\$9,322M
Financials	28	\$82B	(\$401M)	\$1,409M	\$1,034M	\$19,316M
Health Care	26	\$95B	(\$268M)	\$3,049M	\$6,748M	\$5,173M
Industrial	14	\$35B	\$87M	(\$1,108M)	(\$3,726M)	(\$294M)
Materials	10	\$17B	(\$43M)	(\$384M)	(\$2,501M)	\$3,580M
Multi-Sector	19	\$27B	\$33M	\$1,791M	\$2,040M	\$4,674M
Real Estate	22	\$86B	\$621M	\$2,775M	\$5,861M	\$13,036M
Technology	24	\$160B	\$252M	\$4,597M	\$7,167M	\$6,525M
Utilities	10	\$21B	(\$185M)	(\$292M)	\$329M	\$25M

## U.S. Sector & Industry Flow Leaders

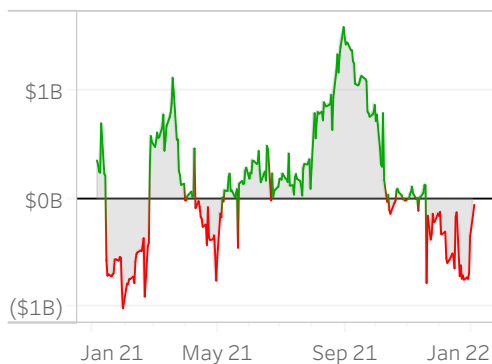
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VNQ	Vanguard Real Estate ETF	\$256M	\$1,706M	\$2,268M	\$6,396M	\$49,938M
XLE	Energy Select Sector SPDR Fund	\$158M	(\$621M)	\$144M	\$5,404M	\$26,425M
XLK	Technology Select Sector SPDR Fund	\$149M	\$1,644M	\$1,908M	\$1,172M	\$51,968M
XLRE	Real Estate Select Sector SPDR Fund	\$123M	\$1,164M	\$2,011M	\$2,747M	\$6,207M
XLC	Communication Services Select Sector SPDR Fu..	\$107M	(\$434M)	\$751M	\$400M	\$14,214M
XLI	Industrial Select Sector SPDR Fund	\$95M	(\$1,263M)	(\$2,426M)	(\$1,956M)	\$17,538M
IYR	iShares U.S. Real Estate ETF	\$88M	(\$793M)	(\$285M)	\$386M	\$7,366M
XLP	Consumer Staples Select Sector SPDR Fund	\$58M	\$245M	\$817M	(\$1,294M)	\$13,455M
SOXX	iShares Semiconductor ETF	\$54M	\$1,236M	\$1,681M	\$2,658M	\$10,007M
VDC	Vanguard Consumer Staples ETF	\$50M	\$325M	\$546M	\$164M	\$6,715M

## U.S. Sector & Industry Flow Laggards

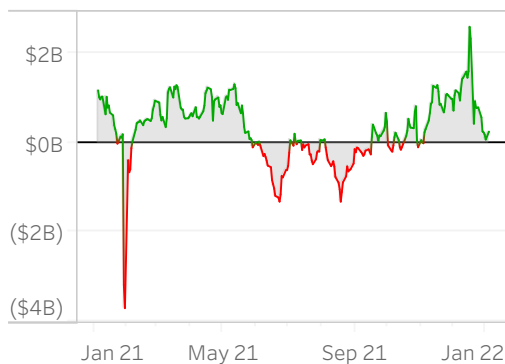
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$310M)	(\$788M)	(\$771M)	(\$478M)	\$3,337M
XLF	Financial Select Sector SPDR Fund	(\$268M)	\$1,726M	\$823M	\$9,644M	\$44,072M
XLU	Utilities Select Sector SPDR Fund	(\$213M)	(\$461M)	(\$69M)	(\$456M)	\$12,974M
IBB	iShares Biotechnology ETF	(\$138M)	(\$92M)	(\$217M)	(\$365M)	\$9,928M
XLV	Health Care Select Sector SPDR Fund	(\$126M)	\$1,927M	\$4,041M	\$3,812M	\$35,640M
XRT	SPDR S&P Retail ETF	(\$117M)	(\$24M)	(\$426M)	(\$240M)	\$650M
FXO	First Trust Financials AlphaDEX Fund	(\$109M)	(\$33M)	(\$64M)	\$604M	\$1,561M
XBI	SPDR S&P BIOTECH ETF	(\$96M)	\$815M	\$1,178M	\$1,852M	\$7,073M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$93M)	\$1,104M	\$513M	\$240M	\$23,544M
XLB	Materials Select Sector SPDR Fund	(\$27M)	(\$243M)	(\$1,792M)	\$1,598M	\$8,231M

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

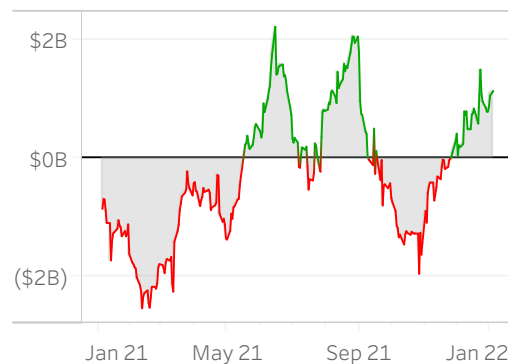
Communication Services



Consumer Discretionary



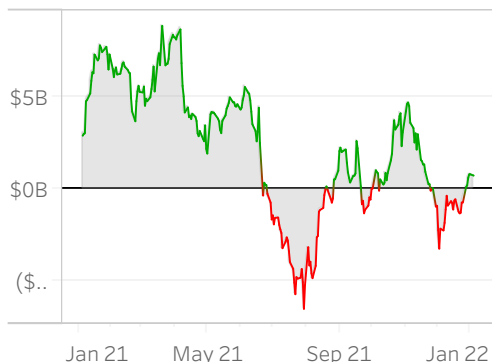
Consumer Staples



Energy



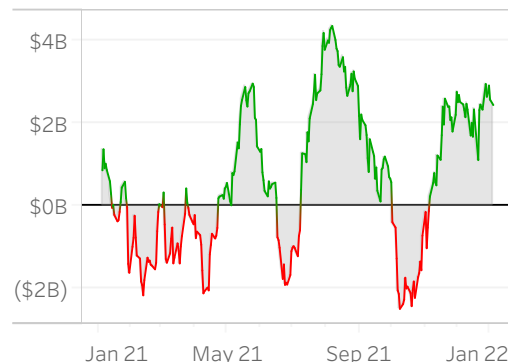
Financials



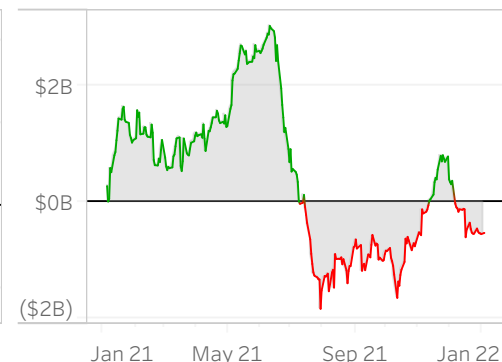
Industrial



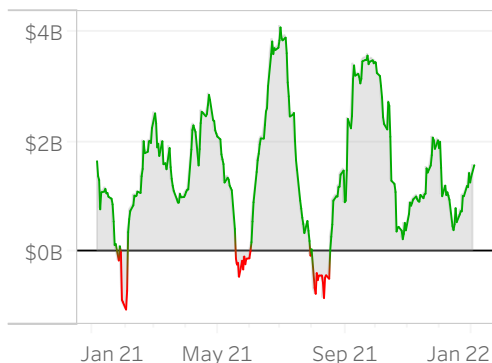
Health Care



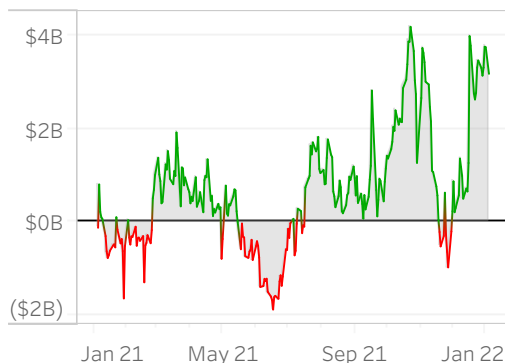
Materials



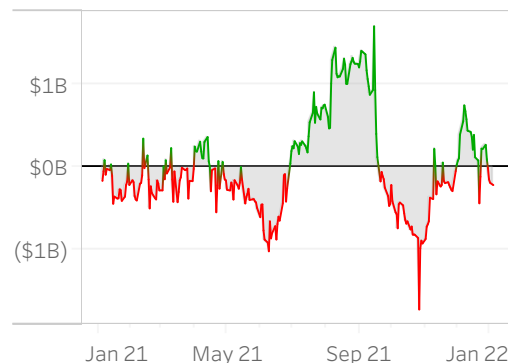
Real Estate



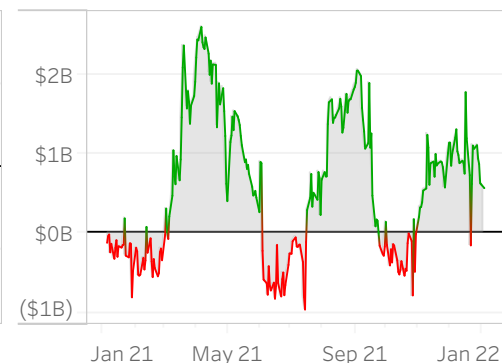
Technology



Utilities

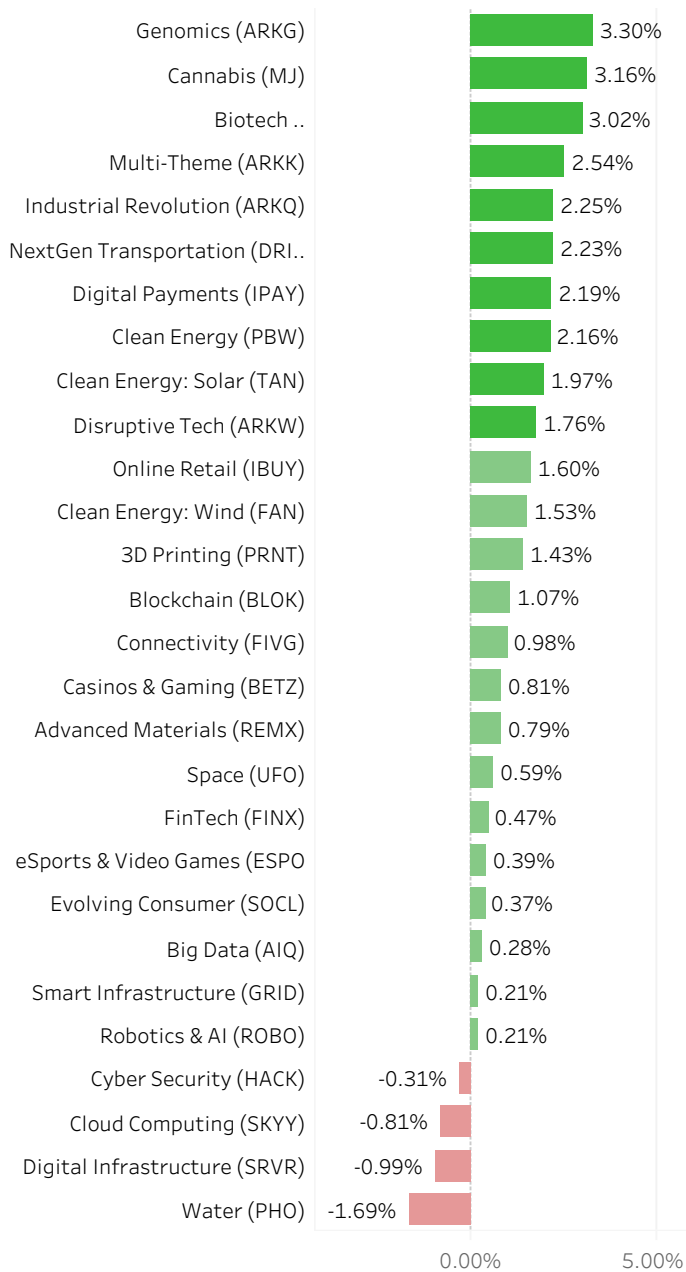


Multi-Sector

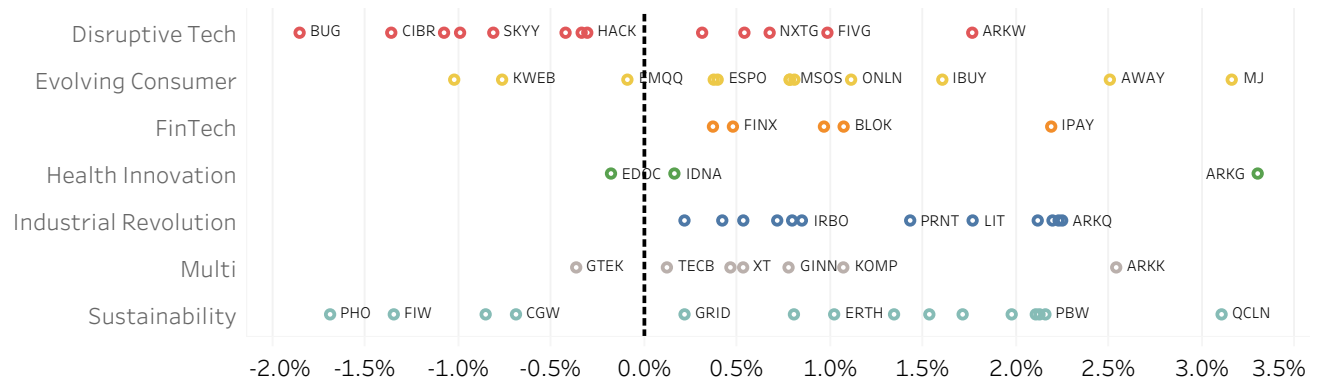


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
POTX	Global X Cannabis ETF	4.48%
ARKG	ARK Genomic Revolution ETF	3.30%
THCX	Cannabis ETF	3.28%
MJ	ETFMG Alternative Harvest ETF	3.16%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	3.10%
SBIO	ALPS Medical Breakthroughs ETF	3.02%
MOON	Direxion Moonshot Innovators ETF	3.00%
HAIL	SPDR S&P Kensho Smart Mobility ETF	2.61%
ARKK	ARK Innovation ETF	2.54%
AWAY	ETFMG Travel Tech ETF	2.50%

## Thematic Most Overbought

Ticker	Fund	Price
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	63.40
NXTG	First Trust Indxx NextG ETF	60.84
LEGR	First Trust Indxx Innovative Transaction & Process ETF	60.54
FIVG	Defiance Next Gen Connectivity ETF	60.35
DRIV	Global X Autonomous & Electric Vehicles ETF	59.24
FAN	First Trust Global Wind Energy ETF	58.86
VPN	Global X Data Center REITs & Digital Infrastructure ETF	58.51
QTUM	Defiance Quantum ETF	57.58
IDRV	iShares Self-driving EV & Tech ETF	57.18
PIO	Invesco Global Water ETF	56.86

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BUG	Global X Cybersecurity ETF	-1.86%
PHO	Invesco Water Resources ETF	-1.69%
CIBR	First Trust NASDAQ Cybersecurity ETF	-1.36%
FIW	First Trust Water ETF	-1.35%
WCLD	WisdomTree Cloud Computing Fund	-1.08%
EBLU	Ecofin Global Water ESG Fund	-1.08%
PAWZ	ProShares Pet Care ETF	-1.03%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-0.99%
ENTR	ERShares Entrepreneurs ETF	-0.92%
PIO	Invesco Global Water ETF	-0.86%

## Thematic Most Oversold

Ticker	Fund	Price
ENTR	ERShares Entrepreneurs ETF	14.89
BLOK	Amplify Transformational Data Sharing ETF	30.59
FINX	Global X FinTech ETF	33.66
BKCH	Global X Blockchain ETF	35.28
KWEB	KraneShares CSI China Internet ETF	35.85
BITQ	Bitwise Crypto Industry Innovators ETF	36.25
POTX	Global X Cannabis ETF	37.15
CLOU	Global X Cloud Computing ETF	37.26
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	39.28
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	39.87

\* 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	
META	Roundhill Ball Metaverse ETF	\$29M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$28M
ERTH	Invesco MSCI Sustainable Future ETF	\$23M
IDRV	iShares Self-driving EV & Tech ETF	\$22M
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	\$16M
MSOS	AdvisorShares Pure US Cannabis ETF	\$15M
FIW	First Trust Water ETF	\$14M
BKCH	Global X Blockchain ETF	\$13M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$10M
LRNZ	TrueShares Technology; AI & Deep Learning ETF	\$9M

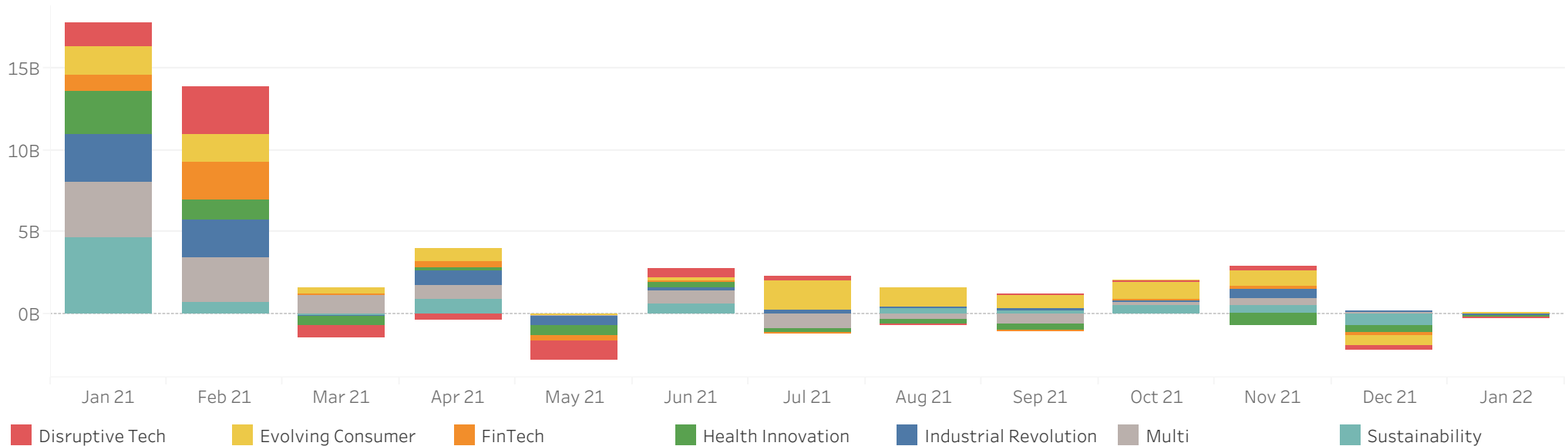
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$333M)
ARKG	ARK Genomic Revolution ETF	(\$193M)
KWEB	KraneShares CSI China Internet ETF	(\$186M)
ARKF	ARK Fintech Innovation ETF	(\$71M)
ARKW	ARK Next Generation Internet ETF	(\$43M)
ICLN	iShares Global Clean Energy ETF	(\$38M)
CLOU	Global X Cloud Computing ETF	(\$35M)
IHAK	iShares Cybersecurity & Tech ETF	(\$31M)
PBW	Invesco WilderHill Clean Energy ETF	(\$31M)
TAN	Invesco Solar ETF	(\$24M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	38	\$28B	(\$103M)	\$47M	\$378M	\$3,054M
Evolving Consumer	44	\$14B	(\$193M)	\$1,527M	\$4,987M	\$9,911M
FinTech	19	\$6B	(\$88M)	\$12M	(\$309M)	\$3,162M
Health Innovation	17	\$7B	(\$149M)	(\$1,082M)	(\$1,937M)	\$1,358M
Industrial Revolution	25	\$18B	\$16M	\$859M	\$1,392M	\$6,941M
Multi	30	\$26B	(\$204M)	\$418M	(\$938M)	\$7,472M
Sustainability	37	\$22B	(\$51M)	\$440M	\$881M	\$7,794M
Grand Total	210	\$121B	(\$772M)	\$2,221M	\$4,455M	\$39,691M

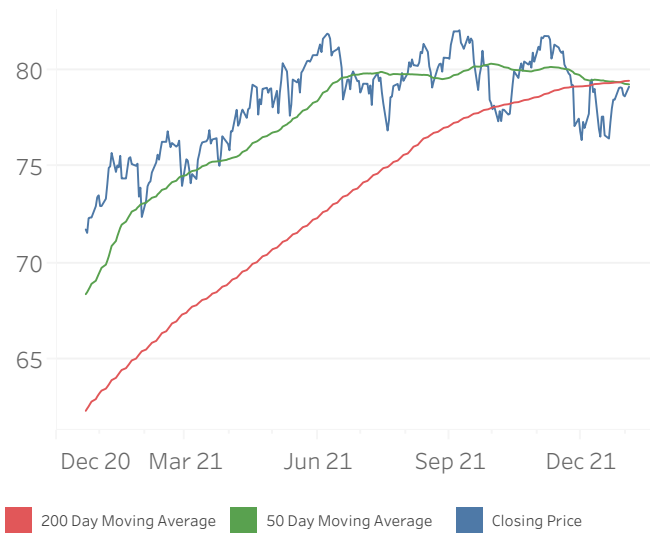
## Thematic Monthly Flows



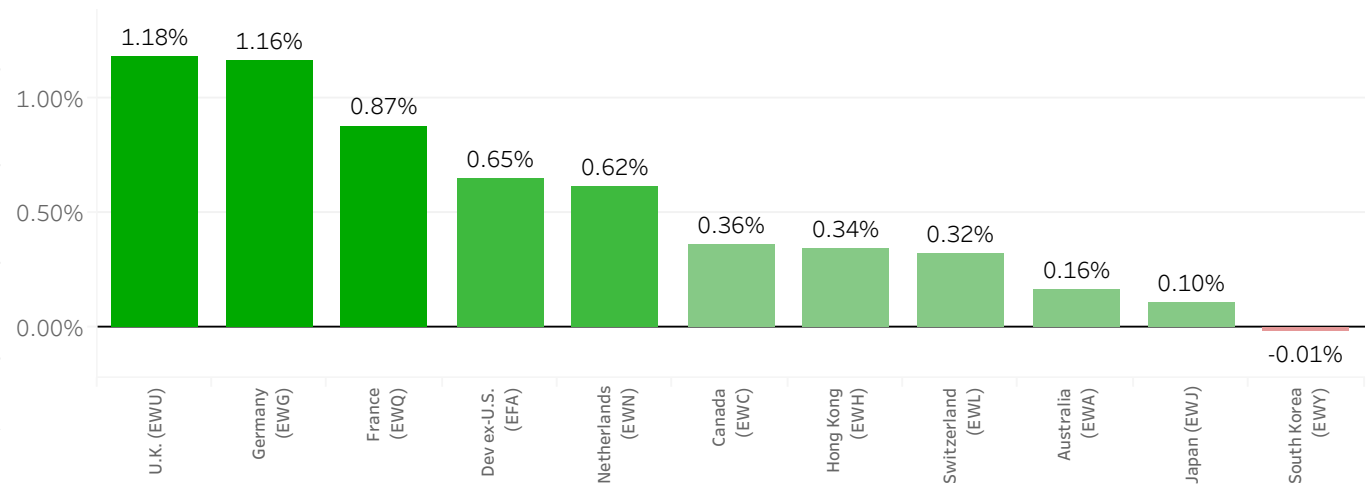
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



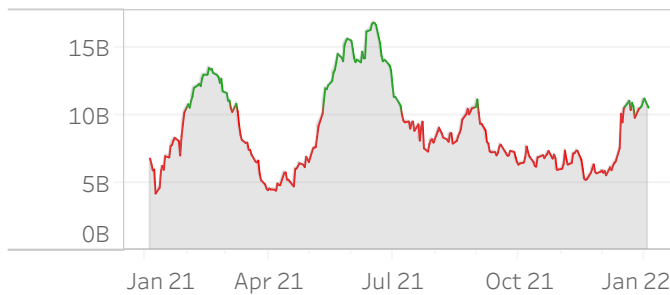
Developed ex-U.S. (EFA)



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



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



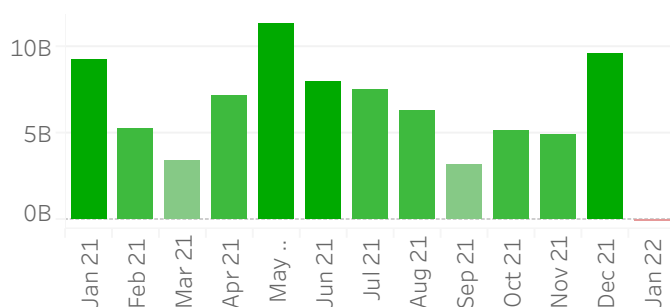
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
HEWG	iShares Currency Hedged MSCI Germany ETF	1.76%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	1.67%
EWI	iShares MSCI Italy ETF	1.62%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	1.53%
HEDJ	WisdomTree Europe Hedged Equity Fund	1.45%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	1.35%
EIS	iShares MSCI Israel ETF	1.28%
EWU	iShares MSCI United Kingdom ETF	1.18%
EWG	iShares MSCI Germany ETF	1.16%
FLGB	Franklin FTSE United Kingdom ETF	1.14%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWL	iShares MSCI Switzerland ETF	67.08
DFE	WisdomTree Europe SmallCap Dividend Fund	67.05
FLSW	Franklin FTSE Switzerland ETF	66.96
LVHI	Legg Mason International Low Volatility High Dividend ETF	66.15
FDD	First Trust Stoxx European Select Dividend Index Fund	65.48
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	65.48
FKU	First Trust United Kingdom AlphaDEX Fund	65.40
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	65.18
EIRL	iShares MSCI Ireland ETF	64.41
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	64.31

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-1.44%
EDEN	iShares MSCI Denmark ETF	-0.21%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.18%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.16%
FLJP	Franklin FTSE Japan ETF	-0.15%
RBIN	Nationwide Risk-Based International Equity ETF	-0.14%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.14%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.13%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.10%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	-0.10%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
BBJP	JPMorgan BetaBuilders Japan ETF	37.15
EWS	iShares MSCI Singapore ETF	41.25
SCJ	iShares MSCI Japan Small-Cap ETF	41.44
JPXN	iShares JPX-Nikkei 400 ETF	41.89
FLJP	Franklin FTSE Japan ETF	42.56
ENZL	iShares MSCI New Zealand ETF	42.85
EWJV	iShares MSCI Japan Value ETF	42.99
IPAC	iShares Core MSCI Pacific ETF	43.20
VPL	Vanguard FTSE Pacific ETF	43.39
EWJ	iShares MSCI Japan ETF	43.91

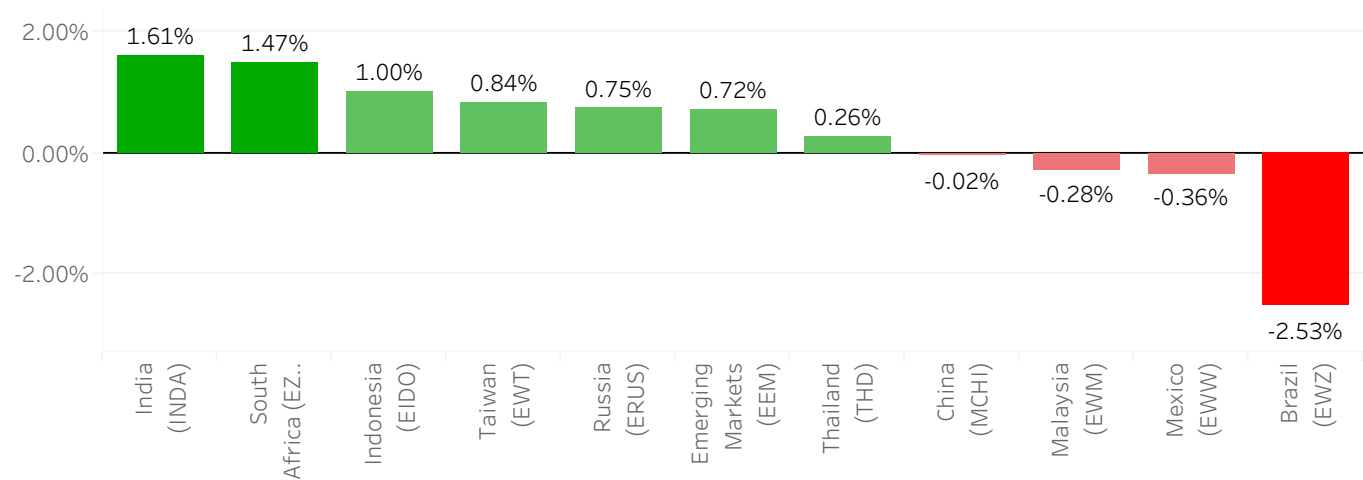
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



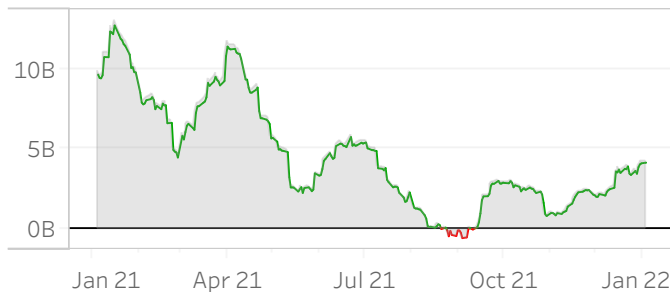
Emerging (EEM)



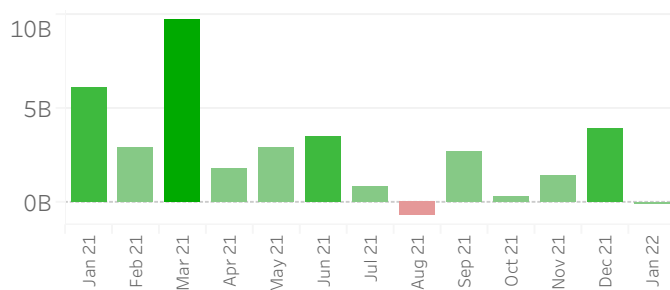
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	7.59%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	2.04%
SMIN	iShares MSCI India Small Cap ETF	1.86%
EPI	WisdomTree India Earnings Fund	1.84%
IDX	VanEck Indonesia Index ETF	1.76%
INDY	iShares India 50 ETF	1.71%
EPU	iShares MSCI Peru ETF	1.64%
INDA	iShares MSCI India ETF	1.61%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	1.60%
EPOL	iShares MSCI Poland ETF	1.52%

Emerging Most Overbought

Ticker	Fund	Price
GLIN	VanEck India Growth Leaders ETF	67.70
EWZ	iShares MSCI Mexico ETF	65.31
EPU	iShares MSCI Peru ETF	64.61
VNM	VanEck Vietnam ETF	63.44
SMIN	iShares MSCI India Small Cap ETF	62.39
EYLD	Cambria Emerging Shareholder Yield ETF	61.96
EWT	iShares MSCI Taiwan ETF	61.55
UEVM	VictoryShares USAA MSCI Emerging Markets Value M..	60.91
EPOL	iShares MSCI Poland ETF	59.80
FEM	First Trust Emerging Markets AlphaDEX Fund	59.73

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-5.17%
EWZ	iShares MSCI Brazil ETF	-2.53%
FLBR	Franklin FTSE Brazil ETF	-2.33%
QAT	iShares MSCI Qatar ETF	-1.27%
EPHE	iShares MSCI Philippines ETF	-1.11%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.78%
ILF	iShares Latin America 40 ETF	-0.68%
EWZ	iShares MSCI Mexico ETF	-0.36%
RAYC	Rayliant Quantamental China Equity ETF	-0.32%
EWM	iShares MSCI Malaysia ETF	-0.28%

Emerging Most Oversold

Ticker	Fund	Price
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	27.49
KBA	KraneShares Boseri MSCI China A Share ETF	27.91
EPHE	iShares MSCI Philippines ETF	37.61
QAT	iShares MSCI Qatar ETF	38.56
EWZ	iShares MSCI Brazil ETF	38.87
FLBR	Franklin FTSE Brazil ETF	40.23
FXI	iShares China Large-Cap ETF	42.44
EWZS	iShares MSCI Brazil Small-Cap ETF	42.63
RSX	VanEck Russia ETF	42.72
LDEM	iShares ESG MSCI EM Leaders ETF	43.02

\*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	-0.68%	-1.44%	-0.68%
SHY	1-3 Year Treasury Bonds	-0.12%	-0.27%	-0.12%
IEF	7-10 Year Treasury Bonds	-0.93%	-2.00%	-0.93%
TLT	20+ Year Treasury Bonds	-2.63%	-6.41%	-2.63%
TIP	TIPS Bonds	-0.57%	-0.36%	-0.57%
FLOT	Floating Rate Bonds	-0.05%	0.10%	-0.05%
LQD	Investment Grade Corporate	-1.06%	-2.16%	-1.06%
HYG	High Yield Corporate	-0.05%	1.47%	-0.05%
BKLN	Senior Loan	-0.05%	1.17%	-0.05%
PFF	Preferred & Income Securities	-0.74%	2.55%	-0.74%
MUB	Municipal Bonds	-0.09%	-0.08%	-0.09%
MBB	MBS	-0.40%	-0.59%	-0.40%
EMB	Dollar Denominated EM Bonds	-0.99%	-0.27%	-0.99%
LEMB	Local Currency EM Bond	-0.19%	0.78%	-0.19%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.49%	4.61%	0.49%
DBE	Energy	1.64%	11.93%	1.64%
USO	WTI Crude Oil	0.86%	14.23%	0.86%
BNO	Brent Crude Oil	1.20%	12.85%	1.20%
UNG	Natural Gas	2.24%	-4.20%	2.24%
UGA	Gasoline	1.49%	15.96%	1.49%
DBP	Precious Metals	-1.69%	1.02%	-1.69%
GLD	Gold	-1.54%	1.02%	-1.54%
SLV	Silver	-1.53%	1.58%	-1.53%
PPLT	Platinum	-0.86%	2.34%	-0.86%
PALL	Palladium	-3.88%	1.25%	-3.88%
DBB	Base Metals	-0.81%	6.46%	-0.81%
CPER	Copper	-0.92%	3.37%	-0.92%
LD	Lead	-1.30%	5.56%	-1.30%
JJN	Nickel	-0.22%	3.63%	-0.22%
JJU	Aluminum	-0.16%	7.10%	-0.16%
JJT	Tin	0.33%	-0.29%	0.33%
DBA	Agriculture	-0.41%	-0.35%	-0.41%
CORN	Corn	-0.19%	0.09%	-0.19%
SOYB	Soybeans	1.36%	5.68%	1.36%
WEAT	Wheat	-1.62%	-5.71%	-1.62%
CANE	Sugar	0.00%	2.21%	0.00%
BAL	Cotton	0.72%	8.65%	0.72%
NIB	Cocoa	-1.48%	1.17%	-1.48%
JO	Coffee	-0.52%	-8.08%	-0.52%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.62%	0.08%	0.62%
UDN	Short Dollar	-0.64%	-0.22%	-0.64%
FXE	Euro	-0.73%	-0.22%	-0.73%
FXB	British Pound Sterling	-0.34%	1.79%	-0.34%
FXF	Swiss Franc	-0.73%	-0.15%	-0.73%
FXJ	Japanese Yen	-0.23%	-2.39%	-0.23%
FXC	Canadian Dollar	-0.85%	0.63%	-0.85%
FXA	Australian Dollar	-1.10%	2.55%	-1.10%

\*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](mailto:team@etfaction.com)

[www.etfaction.com](http://www.etfaction.com)