

### Large Cap Blend (S&P 500) IVV



### Mid Cap Blend (S&P 400) IJH

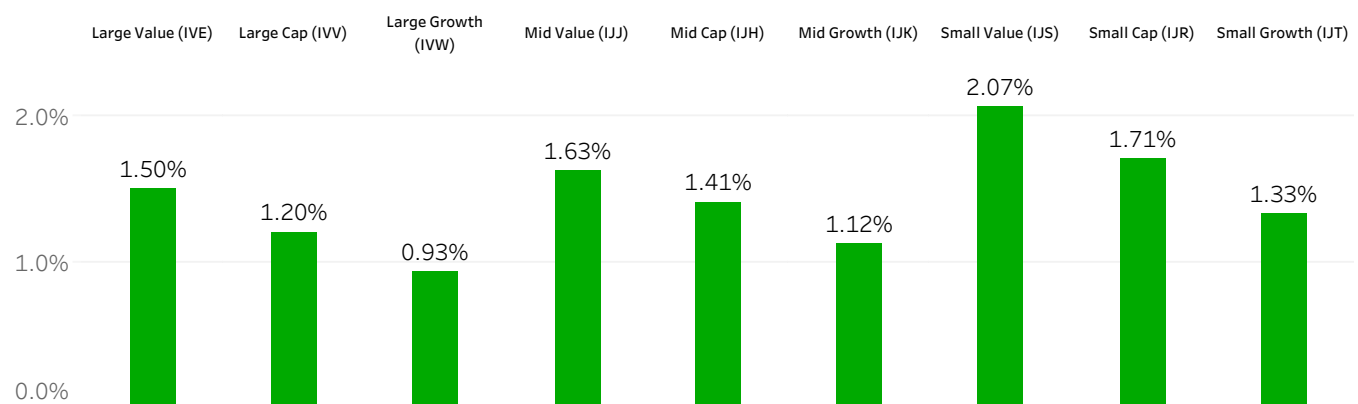


### Small Cap Blend (S&P 600) IJR



■ 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
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	2.81%
DWAS	Invesco DWA SmallCap Momentum ETF	2.59%
FFTY	Innovator IBD 50 ETF	2.57%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.54%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	2.46%
SPHB	Invesco S&P 500 High Beta ETF	2.41%
AVUV	Avantis U.S. Small Cap Value ETF	2.29%
SVAL	iShares US Small Cap Value Factor ETF	2.23%
SYLD	Cambria Shareholder Yield ETF	2.21%
XSMO	Invesco S&P SmallCap Momentum ETF	2.18%

### Size & Style Most Overbought

Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	67.69
IPO	Renaissance IPO ETF	62.79
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	60.59
MMLG	First Trust Multi-Manager Large Growth ETF	59.39
RFG	Invesco S&P Midcap 400 Pure Growth ETF	58.93
DWAS	Invesco DWA SmallCap Momentum ETF	58.93
MFMS	Motley Fool Small-Cap Growth ETF	58.91
VBK	Vanguard Small-Cap Growth ETF	58.69
PDP	Invesco DWA Momentum ETF	58.63
RPG	Invesco S&P 500 Pure Growth ETF	58.04

### Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.01%
VSDA	VictoryShares Dividend Accelerator ETF	0.25%
SPLV	Invesco S&P 500 Low Volatility ETF	0.35%
SIXL	6 Meridian Low Beta Equity Strategy ETF	0.47%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.54%
LVHD	Legg Mason Low Volatility High Dividend ETF	0.55%
WBIF	WBI BullBear Value 3000 ETF	0.56%
XMLV	Invesco S&P MidCap Low Volatility ETF	0.57%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.57%
QLV	FlexShares US Quality Low Volatility Index Fund	0.58%

### Size & Style Most Oversold

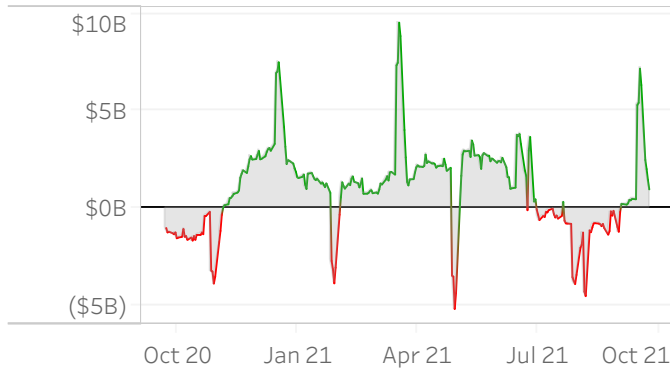
Ticker	Fund	Value
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	32.32
FVD	First Trust Value Line Dividend Index Fund	36.48
LVHD	Legg Mason Low Volatility High Dividend ETF	37.98
SDY	SPDR S&P Dividend ETF	38.56
ALTL	Pacer Lunt Large Cap Alternator ETF	38.63
DURA	VanEck Morningstar Durable Dividend ETF	38.97
SMDV	ProShares Russell 2000 Dividend Growers ETF	39.09
VSDA	VictoryShares Dividend Accelerator ETF	39.13
HUSV	First Trust Horizon Managed Volatility Domestic ETF	39.19
WBIF	WBI BullBear Value 3000 ETF	39.47

\*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
Small Cap, Beta, Beta	12	\$214B	\$0.08B	\$1.90B	\$2.32B	\$25.74B
Large Cap, Beta Growth, Beta: Value	10	\$196B	(\$0.01B)	\$0.30B	\$12.91B	\$31.55B
Small Cap, Beta, Beta: Value	7	\$55B	(\$0.10B)	(\$3.72B)	\$0.42B	\$9.02B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.32B)	(\$0.85B)	\$1.66B	\$3.94B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.70B)	\$0.42B	(\$0.09B)	\$1.81B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$1.00B)	(\$2.23B)	(\$1.13B)	(\$2.40B)
Large Cap, Beta Growth, Beta: Growth	10	\$258B	(\$3.26B)	(\$0.33B)	\$8.83B	\$3.71B
Mid Cap, Beta, Beta	10	\$184B	(\$3.52B)	(\$0.02B)	\$2.89B	\$8.50B
Large Cap, Beta Growth, Beta	24	\$1,265B	(\$4.79B)	\$49.35B	\$62.65B	\$96.68B

### U.S. Size & Style Flow Leaders

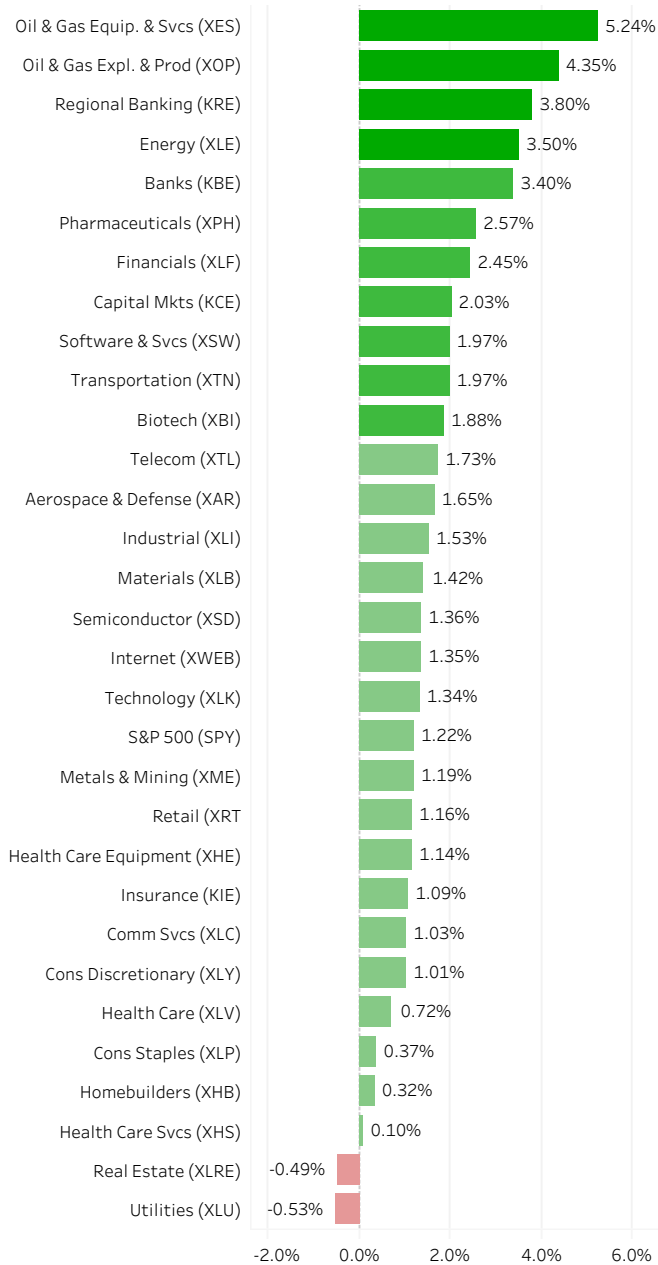
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$2.65B	(\$0.08B)	(\$2.27B)	\$9.46B	\$66.92B
VOO	Vanguard S&P 500 ETF	\$1.62B	\$14.74B	\$24.34B	\$39.46B	\$252.70B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$0.48B	\$0.73B	\$1.11B	\$1.47B	\$9.18B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.44B	(\$0.55B)	(\$0.51B)	\$0.53B	\$15.20B
QQQ	Invesco QQQ Trust	\$0.34B	\$9.45B	\$8.86B	\$15.31B	\$191.06B
VTV	Vanguard Value ETF	\$0.24B	\$1.93B	\$8.04B	\$15.60B	\$83.22B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.20B	\$1.55B	\$2.63B	\$5.60B	\$42.36B
VYM	Vanguard High Dividend Yield Index ETF	\$0.12B	\$0.57B	\$1.70B	\$3.72B	\$37.59B
SCHB	Schwab U.S. Broad Market ETF	\$0.11B	\$0.17B	\$0.56B	\$1.03B	\$21.96B
IWR	iShares Russell Midcap ETF	\$0.11B	(\$1.02B)	\$0.31B	\$0.70B	\$29.67B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VXF	Vanguard Extended Market ETF	(\$2.83B)	\$0.21B	\$1.13B	\$2.72B	\$17.45B
VIG	Vanguard Dividend Appreciation ETF	(\$2.64B)	\$1.58B	\$2.65B	\$4.18B	\$61.85B
VUG	Vanguard Growth ETF	(\$2.03B)	\$1.84B	\$3.44B	\$4.12B	\$84.58B
VO	Vanguard Mid-Cap ETF	(\$1.74B)	\$1.53B	\$2.63B	\$4.69B	\$52.36B
VTI	Vanguard Total Stock Market ETF	(\$1.48B)	\$10.78B	\$22.00B	\$46.00B	\$267.78B
IVV	iShares Core S&P 500 ETF	(\$1.38B)	\$4.51B	\$9.00B	\$15.20B	\$298.23B
RSP	Invesco S&P 500 Equal Weight ETF	(\$1.33B)	\$0.13B	\$3.28B	\$9.56B	\$28.85B
VB	Vanguard Small-Cap ETF	(\$1.17B)	\$1.10B	\$2.47B	\$6.00B	\$47.38B
SCHA	Schwab U.S. Small-Cap ETF	(\$1.06B)	\$0.55B	\$0.98B	\$2.12B	\$16.44B
SCHM	Schwab U.S. Mid-Cap ETF	(\$1.01B)	\$0.14B	\$0.40B	\$0.67B	\$9.74B

\* 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)
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.30%	28.85%	1.41%	6.40%	56.08
XLK	Technology Select Sector SPDR Fund	-1.94%	41.26%	0.86%	10.82%	52.03
SPY	SPDR S&P 500 ETF Trust	-2.21%	35.72%	0.00%	7.55%	48.77
XLF	Financial Select Sector SPDR Fund	-2.51%	61.03%	1.34%	8.69%	53.90
XLV	Health Care Select Sector SPDR Fund	-3.16%	30.36%	-0.59%	7.97%	44.98
XLP	Consumer Staples Select Sector SPDR Fund	-3.26%	13.38%	-1.53%	2.43%	39.32
XLI	Industrial Select Sector SPDR Fund	-4.63%	34.42%	-2.30%	2.30%	43.44
XLRE	Real Estate Select Sector SPDR Fund	-4.70%	36.67%	-0.85%	10.68%	42.95
XLC	Communication Services Select Sector SPDR Fund	-4.96%	39.22%	-1.71%	6.68%	38.49
XLU	Utilities Select Sector SPDR Fund	-6.94%	11.74%	-3.55%	0.86%	29.34
XLB	Materials Select Sector SPDR Fund	-8.45%	31.08%	-2.87%	0.84%	39.93
XLE	Energy Select Sector SPDR Fund	-10.09%	82.32%	3.84%	4.04%	57.99

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	5.24%
PXI	Invesco DWA Energy Momentum ETF	5.11%
IEZ	iShares U.S. Oil Equipment & Services ETF	4.74%
FCG	First Trust Natural Gas ETF	4.62%
PSCE	Invesco S&P SmallCap Energy ETF	4.54%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.35%
RYE	Invesco S&P 500 Equal Weight Energy ETF	4.08%
AMZA	InfraCap MLP ETF	3.99%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.95%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.83%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	64.34
PXI	Invesco DWA Energy Momentum ETF	64.20
FCG	First Trust Natural Gas ETF	64.14
PSI	Invesco Dynamic Semiconductors ETF	64.01
PEJ	Invesco Dynamic Leisure & Entertainment ETF	63.47
PXE	Invesco Dynamic Energy Exploration & Production ETF	63.36
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	63.01
XSD	SPDR S&P Semiconductor ETF	62.13
RYE	Invesco S&P 500 Equal Weight Energy ETF	61.07
FXN	First Trust Energy AlphaDEX Fund	60.95

### Sector & Industry 1 Day Performance Laggards

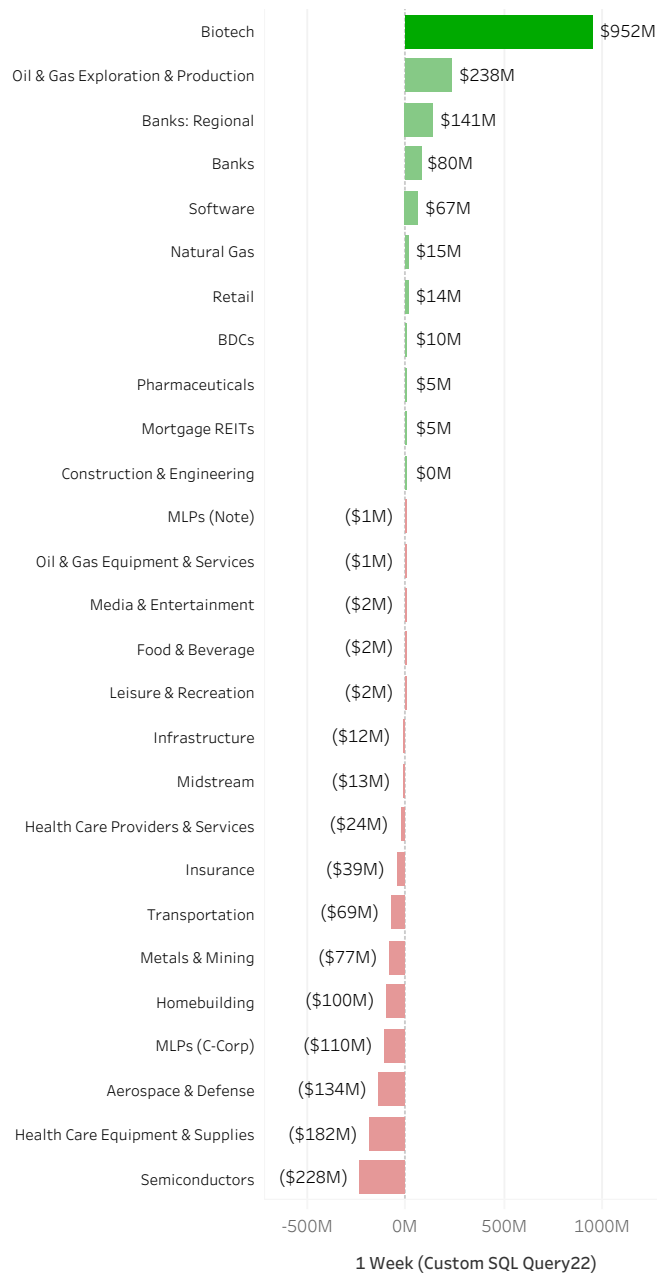
Ticker	Fund	1 Day Performance
PSR	Invesco Active U.S. Real Estate Fund	-0.57%
XLU	Utilities Select Sector SPDR Fund	-0.53%
ICF	iShares Cohen & Steers REIT ETF	-0.49%
XLRE	Real Estate Select Sector SPDR Fund	-0.49%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.42%
SCHH	Schwab U.S. REIT ETF	-0.36%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-0.35%
IYR	iShares U.S. Real Estate ETF	-0.34%
IDU	iShares U.S. Utilities ETF	-0.34%
VPU	Vanguard Utilities ETF	-0.34%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RYU	Invesco S&P 500 Equal Weight Utilities ETF	27.42
FXU	First Trust Utilities AlphaDEX Fund	27.84
XLU	Utilities Select Sector SPDR Fund	29.34
FUTY	Fidelity MSCI Utilities Index ETF	29.67
VPU	Vanguard Utilities ETF	31.23
IDU	iShares U.S. Utilities ETF	31.92
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	37.52
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	37.56
XLC	Communication Services Select Sector SPDR Fund	38.49
NETL	NETlease Corporate Real Estate ETF	38.78

\* 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	\$21B	(\$56M)	\$1,894M	\$1,975M	\$2,527M
Consumer Discretionary	13	\$34B	(\$159M)	(\$20M)	(\$27M)	\$3,051M
Consumer Staples	12	\$20B	(\$987M)	\$110M	\$487M	(\$3,414M)
Energy	34	\$48B	\$110M	(\$2,064M)	\$382M	\$10,617M
Financials	28	\$75B	(\$959M)	(\$2,979M)	\$2,290M	\$20,510M
Health Care	25	\$92B	\$301M	\$5,123M	\$4,802M	\$3,947M
Industrial	14	\$34B	(\$367M)	(\$3,306M)	(\$2,649M)	\$3,702M
Materials	10	\$15B	(\$116M)	(\$2,139M)	\$2,050M	\$5,703M
Multi-Sector	16	\$24B	(\$141M)	\$460M	\$1,859M	\$3,228M
Real Estate	21	\$76B	\$183M	\$3,180M	\$8,363M	\$13,084M
Technology	24	\$141B	(\$2,155M)	\$3,481M	\$2,558M	\$2,420M
Utilities	10	\$20B	(\$296M)	\$1,110M	\$536M	\$87M

### U.S. Sector & Industry Flow Leaders

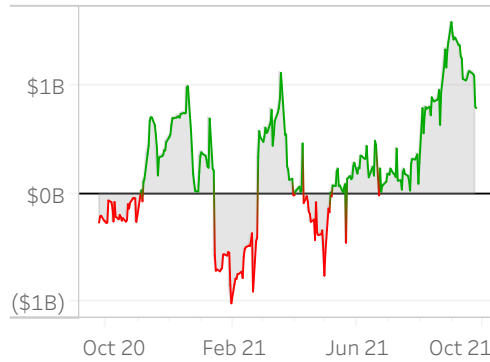
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$746M	\$345M	\$854M	\$1,063M	\$7,501M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$240M	(\$524M)	(\$431M)	(\$104M)	\$3,464M
IBB	iShares Biotechnology ETF	\$208M	\$204M	(\$436M)	(\$593M)	\$11,147M
IYR	iShares U.S. Real Estate ETF	\$202M	\$259M	\$2,343M	\$2,891M	\$7,829M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$184M	(\$500M)	(\$938M)	\$170M	\$20,079M
KRE	SPDR S&P Regional Banking ETF	\$149M	(\$640M)	\$31M	\$2,384M	\$4,314M
XLI	Industrial Select Sector SPDR Fund	\$127M	(\$1,933M)	(\$2,267M)	\$1,460M	\$17,331M
IGV	iShares Expanded Tech-Software Sector ETF	\$125M	\$415M	(\$382M)	(\$1,019M)	\$5,758M
KBWB	Invesco KBW Bank ETF	\$61M	\$506M	\$746M	\$1,339M	\$2,759M
VDE	Vanguard Energy ETF	\$37M	(\$39M)	\$47M	\$664M	\$4,873M

### U.S. Sector & Industry Flow Laggards

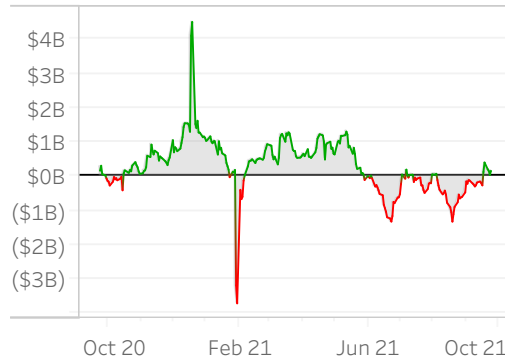
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYW	iShares U.S. Technology ETF	(\$823M)	\$650M	\$722M	\$517M	\$8,909M
XLP	Consumer Staples Select Sector SPDR Fund	(\$753M)	(\$86M)	\$379M	(\$2,858M)	\$12,101M
XLK	Technology Select Sector SPDR Fund	(\$599M)	\$535M	(\$2M)	(\$857M)	\$44,272M
XLF	Financial Select Sector SPDR Fund	(\$574M)	(\$2,260M)	(\$864M)	\$11,084M	\$39,563M
IYF	iShares U.S. Financials ETF	(\$568M)	(\$105M)	\$54M	\$362M	\$2,212M
IYC	iShares U.S. Consumer Discretionary ETF	(\$353M)	(\$101M)	(\$207M)	\$10M	\$1,338M
XLV	Health Care Select Sector SPDR Fund	(\$285M)	\$3,308M	\$4,179M	\$3,079M	\$32,460M
XLU	Utilities Select Sector SPDR Fund	(\$280M)	\$909M	\$136M	(\$263M)	\$12,615M
IYJ	iShares U.S. Industrials ETF	(\$247M)	(\$181M)	\$33M	\$414M	\$1,627M
IYK	iShares U.S. Consumer Staples ETF	(\$241M)	(\$8M)	(\$123M)	(\$66M)	\$688M

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

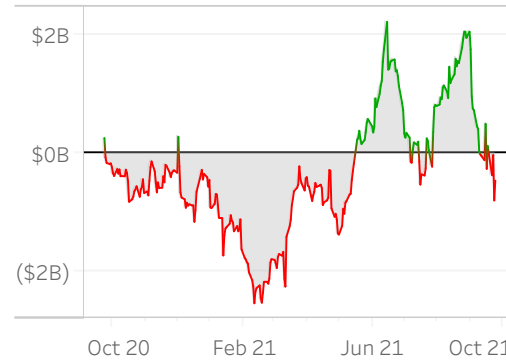
Communication Services



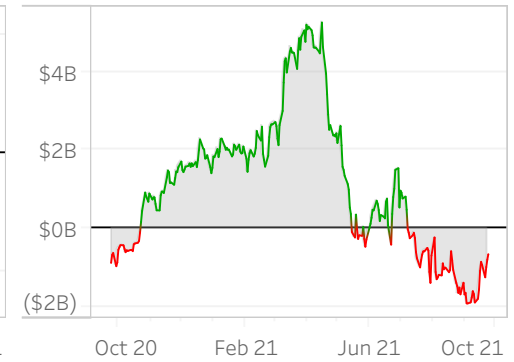
Consumer Discretionary



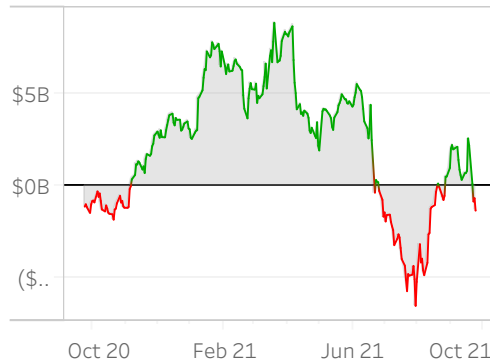
Consumer Staples



Energy



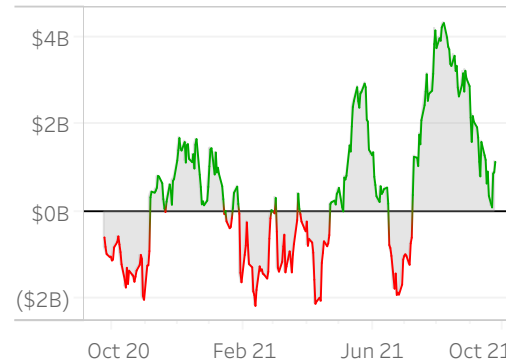
Financials



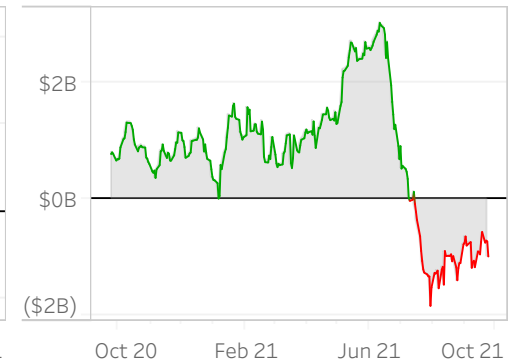
Industrial



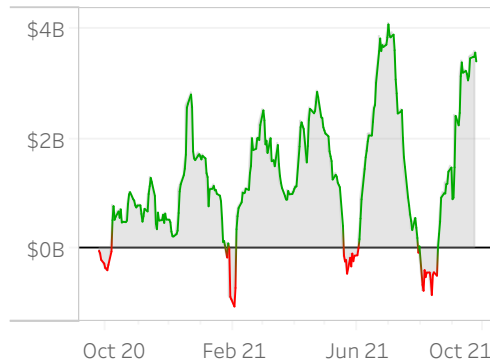
Health Care



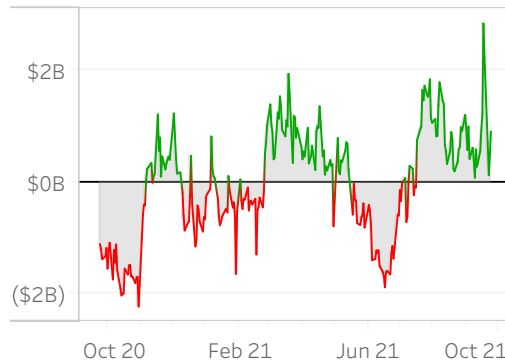
Materials



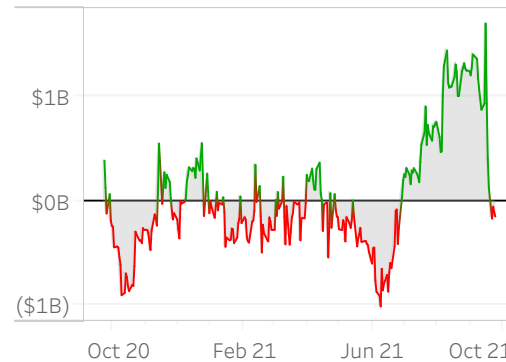
Real Estate



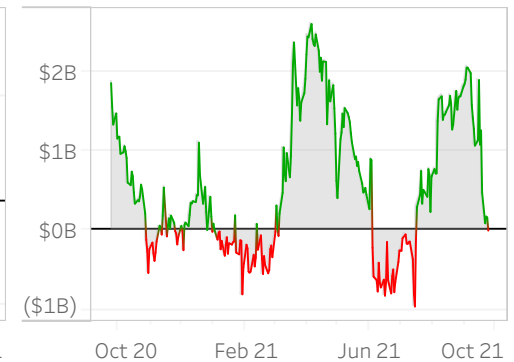
Technology



Utilities

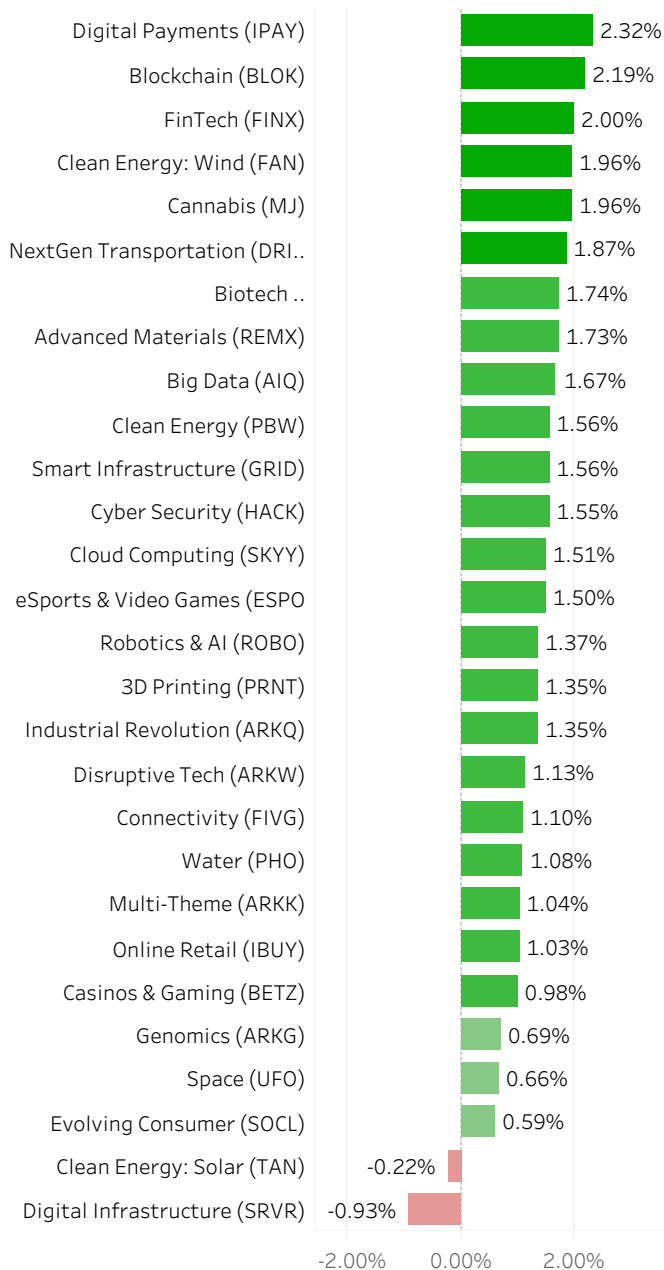


Multi-Sector

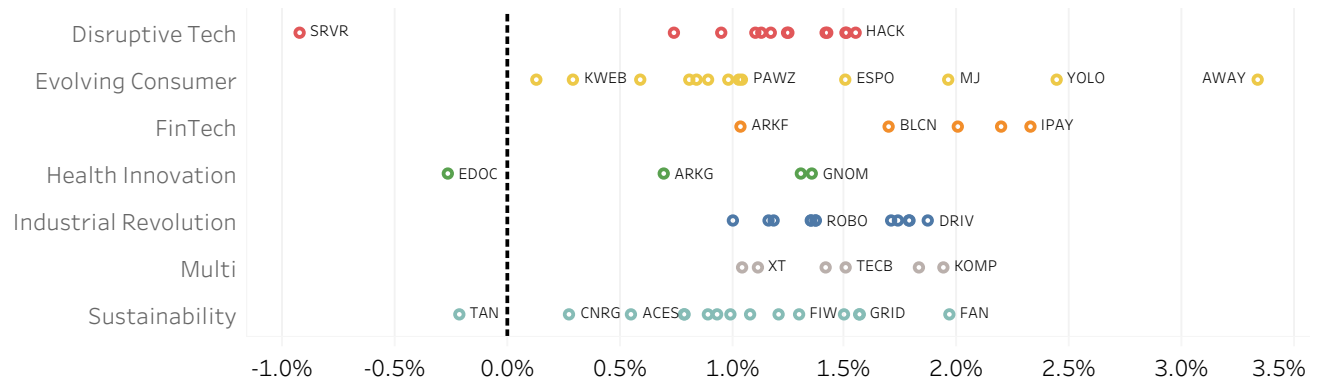


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
AWAY	ETFMG Travel Tech ETF	3.33%
THCX	Cannabis ETF	2.73%
MOON	Direxion Moonshot Innovators ETF	2.60%
POTX	Global X Cannabis ETF	2.54%
YOLO	AdvisorShares Pure Cannabis ETF	2.44%
IPAY	ETFMG Prime Mobile Payments ETF	2.32%
GERM	ETFMG Treatments Testing and Advancements ETF	2.28%
HAIL	SPDR S&P Kensho Smart Mobility ETF	2.20%
BLOK	Amplify Transformational Data Sharing ETF	2.19%
SIMS	SPDR S&P Kensho Intelligent Structures ETF	2.10%

## Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	66.84
BOTZ	Global X Robotics & Artificial Intelligence ETF	66.73
QTUM	Defiance Quantum ETF	62.00
CLOU	Global X Cloud Computing ETF	61.19
BETZ	Roundhill Sports Betting & iGaming ETF	60.25
IVES	Wedbush ETFMG Global Cloud Technology ETF	59.40
WCLD	WisdomTree Cloud Computing Fund	58.78
SKYY	First Trust Cloud Computing ETF	58.66
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	58.03
XITK	SPDR FactSet Innovative Technology ETF	57.90

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.23%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCT..	-0.93%
EDOC	Global X Telemedicine & Digital Health ETF	-0.27%
TAN	Invesco Solar ETF	-0.22%
KEMQ	KraneShares Emerging Markets Consumer Technology I..	0.12%
MSOS	AdvisorShares Pure US Cannabis ETF	0.13%
CNRG	SPDR S&P Kensho Clean Power ETF	0.27%
KWEB	KraneShares CSI China Internet ETF	0.29%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.30%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	0.36%

## Thematic Most Oversold

Ticker	Fund	Price
HERO	Global X Video Games & Esports ETF	36.81
MJ	ETFMG Alternative Harvest ETF	38.20
POTX	Global X Cannabis ETF	38.24
KSTR	KraneShares SSE STAR Market 50 Index ETF	38.48
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	39.85
THCX	Cannabis ETF	40.71
GAMR	Wedbush ETFMG Video Game Tech ETF	41.64
KEMQ	KraneShares Emerging Markets Consumer Technology In..	42.60
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	42.60
SOCL	Global X Social Media ETF	43.86

\* 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	\$216M
PBW	Invesco WilderHill Clean Energy ETF	\$88M
ONLN	ProShares Online Retail ETF	\$37M
LIT	Global X Lithium & Battery Tech ETF	\$22M
MSOS	AdvisorShares Pure US Cannabis ETF	\$16M
PBD	Invesco Global Clean Energy ETF	\$14M
ACES	ALPS Clean Energy ETF	\$13M
ICLN	iShares Global Clean Energy ETF	\$13M
ROBO	ROBO Global Robotics & Automation Index ETF	\$11M
META	Roundhill Ball Metaverse ETF	\$8M

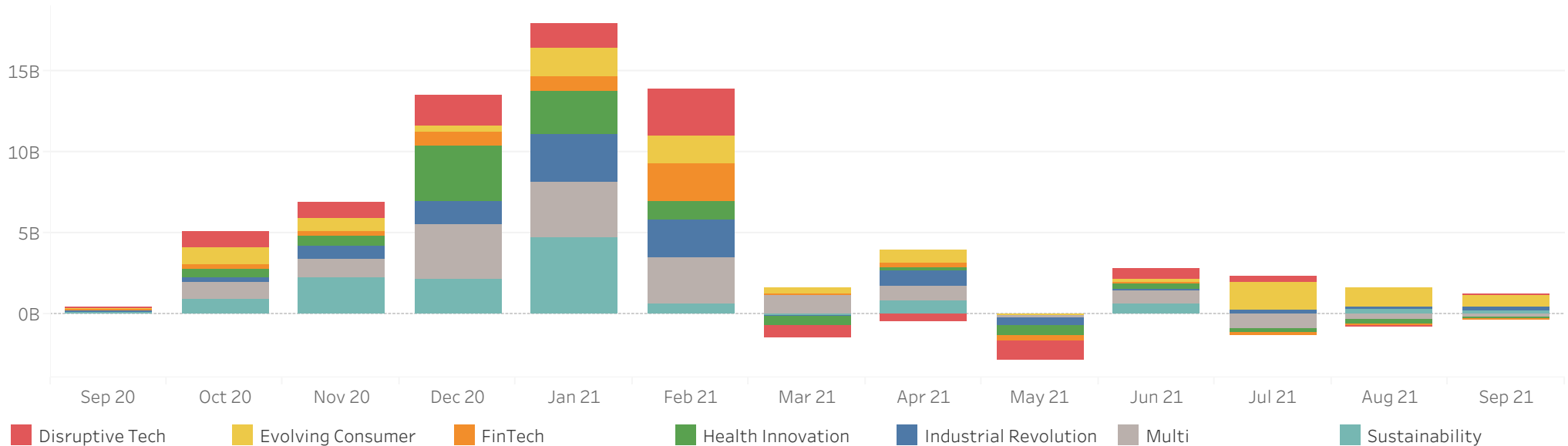
### Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$705M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$333M)
KWEB	KraneShares CSI China Internet ETF	(\$186M)
PHO	Invesco Water Resources ETF	(\$81M)
ARKW	ARK Next Generation Internet ETF	(\$65M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$62M)
FIW	First Trust Water ETF	(\$62M)
ARKF	ARK Fintech Innovation ETF	(\$52M)
ARKG	ARK Genomic Revolution ETF	(\$24M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$23M)

### Thematic Landscape Assets & Flows

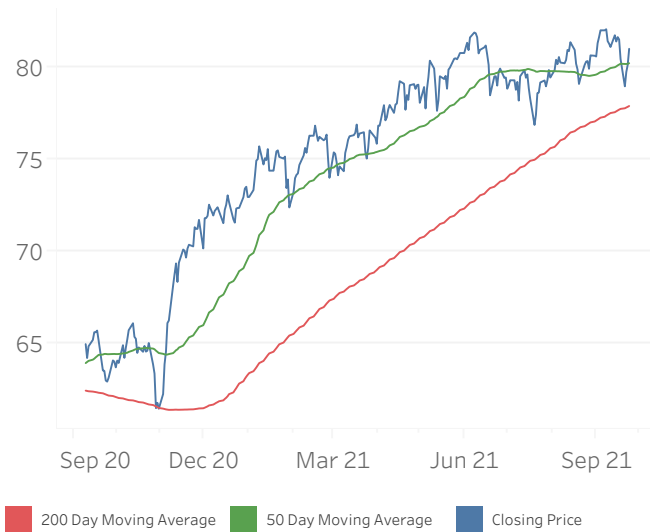
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$29B	(\$235M)	\$637M	(\$666M)	\$7,027M
Evolving Consumer	38	\$17B	(\$187M)	\$3,561M	\$4,649M	\$10,669M
FinTech	12	\$8B	(\$187M)	(\$207M)	(\$175M)	\$4,740M
Health Innovation	14	\$10B	(\$70M)	(\$352M)	(\$880M)	\$7,214M
Industrial Revolution	22	\$17B	(\$135M)	\$625M	\$1,155M	\$8,550M
Multi	28	\$30B	\$128M	(\$971M)	(\$473M)	\$13,257M
Sustainability	33	\$22B	\$47M	\$794M	\$2,152M	\$13,004M
Grand Total	176	\$133B	(\$638M)	\$4,087M	\$5,762M	\$64,461M

### Thematic Monthly Flows

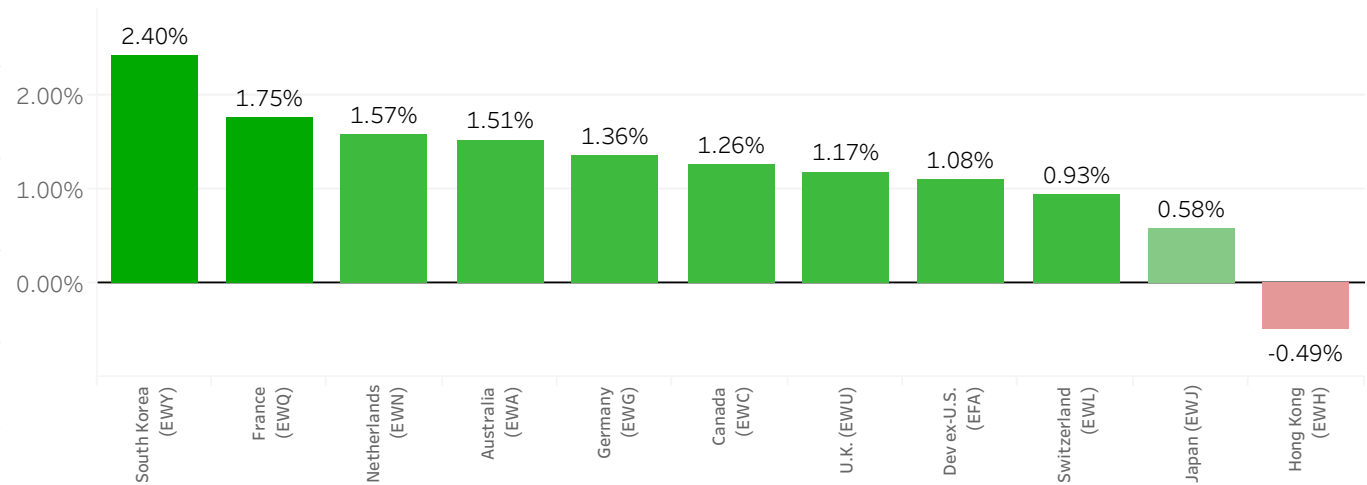


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

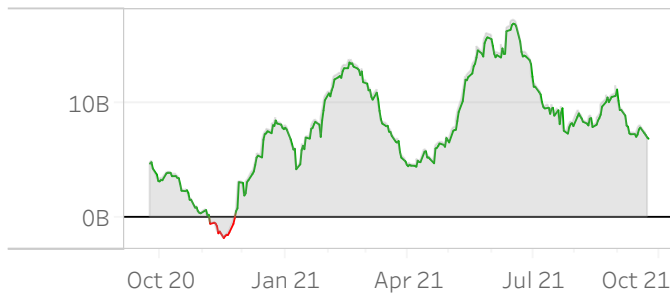
Developed ex-U.S. (EFA)



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



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



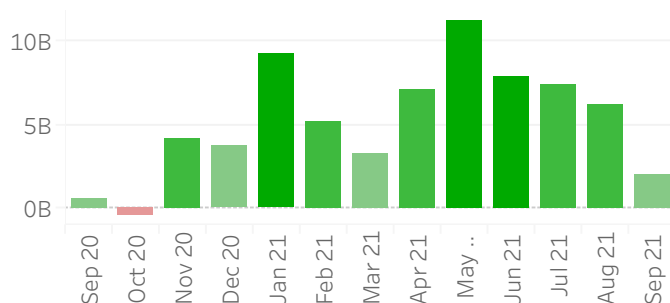
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	2.40%
EWD	iShares MSCI Sweden ETF	2.34%
EWI	iShares MSCI Italy ETF	2.02%
FLKR	Franklin FTSE South Korea ETF	2.01%
DFE	WisdomTree Europe SmallCap Dividend Fund	1.76%
EWQ	iShares MSCI France ETF	1.75%
EDEN	iShares MSCI Denmark ETF	1.74%
EWP	iShares MSCI Spain ETF	1.65%
IEUS	iShares MSCI Europe Small-Cap ETF	1.63%
IMOM	Alpha Architect International Quantitative Momentum ETF	1.60%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EIS	iShares MSCI Israel ETF	67.04
HEWJ	iShares Currency Hedged MSCI Japan ETF	63.32
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	63.19
DXJ	WisdomTree Japan Hedged Equity Fund	62.51
ENZL	iShares MSCI New Zealand ETF	62.24
ISRA	VanEck Israel ETF	61.62
JPXN	iShares JPX-Nikkei 400 ETF	61.56
BBJP	JPMorgan BetaBuilders Japan ETF	61.21
FLJP	Franklin FTSE Japan ETF	61.06
EWJ	iShares MSCI Japan ETF	60.92

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	-1.38%
EWH	iShares MSCI Hong Kong ETF	-0.49%
LVHI	Legg Mason International Low Volatility High Dividend ETF	0.18%
EIRL	iShares MSCI Ireland ETF	0.34%
SCJ	iShares MSCI Japan Small-Cap ETF	0.35%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.43%
AIA	iShares Asia 50 ETF	0.48%
EWJ	iShares MSCI Japan ETF	0.58%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.62%
JPXN	iShares JPX-Nikkei 400 ETF	0.62%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EWH	iShares MSCI Hong Kong ETF	33.48
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	34.84
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	36.31
LVHI	Legg Mason International Low Volatility High Divide..	39.32
FDD	First Trust Stoxx European Select Dividend Index Fu..	39.37
EWL	iShares MSCI Switzerland ETF	39.78
AIA	iShares Asia 50 ETF	40.48
IDOG	ALPS International Sector Dividend Dogs ETF	41.60
GREK	Global X MSCI Greece ETF	41.91
IDV	iShares International Select Dividend ETF	43.44

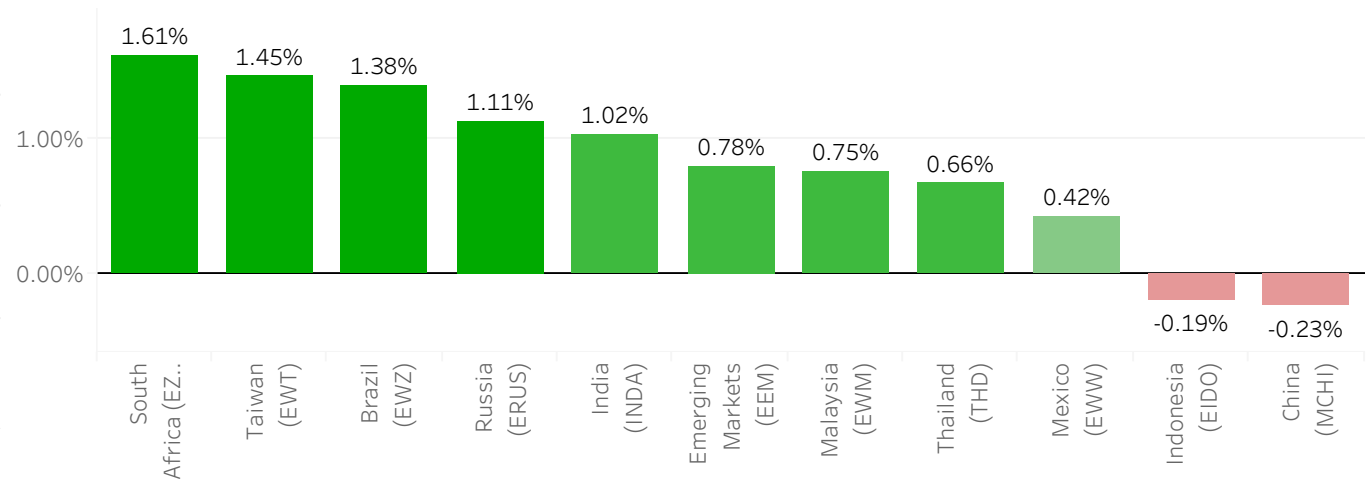
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



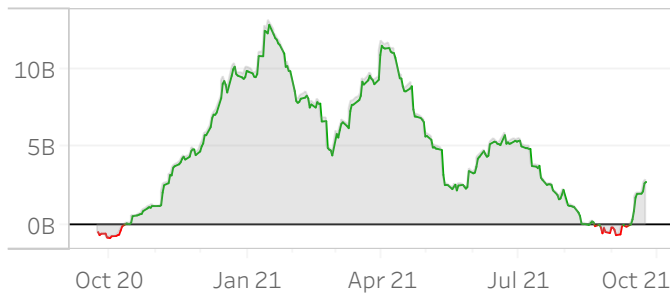
Emerging (EEM)



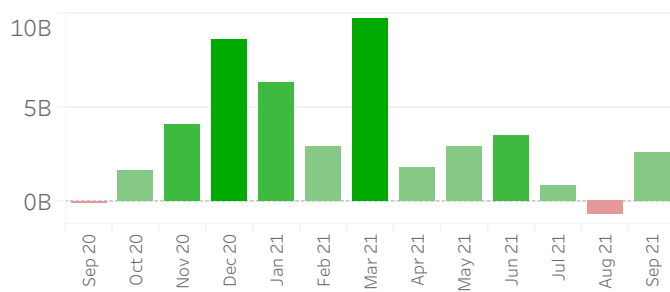
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	1.98%
UEVM	VictoryShares USAA MSCI Emerging Markets Value Mo..	1.61%
EZA	iShares MSCI South Africa ETF	1.61%
EWT	iShares MSCI Taiwan ETF	1.45%
EWZ	iShares MSCI Brazil ETF	1.38%
EDIV	SPDR S&P Emerging Markets Dividend ETF	1.33%
EPU	iShares MSCI Peru ETF	1.29%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.17%
INDY	iShares India 50 ETF	1.15%
EMXC	iShares MSCI Emerging Markets ex China ETF	1.14%

Emerging Most Overbought

Ticker	Fund	Value
INDY	iShares India 50 ETF	68.87
INDA	iShares MSCI India ETF	68.58
SMIN	iShares MSCI India Small Cap ETF	67.02
EPI	WisdomTree India Earnings Fund	66.56
NFTY	First Trust India NIFTY 50 Equal Weight ETF	64.64
PIN	Invesco India ETF	63.33
GLIN	VanEck India Growth Leaders ETF	62.33
QAT	iShares MSCI Qatar ETF	62.23
ERUS	iShares MSCI Russia ETF	59.69
FM	iShares MSCI Frontier and Select EM ETF	59.01

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-1.96%
FXI	iShares China Large-Cap ETF	-0.84%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.41%
CNYA	iShares MSCI China A ETF	-0.35%
ECNS	iShares MSCI China Small-Cap ETF	-0.35%
FLCH	Franklin FTSE China ETF	-0.33%
GXC	SPDR S&P China ETF	-0.24%
MCHI	iShares MSCI China ETF	-0.23%
EIDO	iShares MSCI Indonesia ETF	-0.19%
PGJ	Invesco Golden Dragon China ETF	-0.18%

Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	30.14
AFK	VanEck Africa Index ETF	37.66
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	39.09
EYLD	Cambria Emerging Shareholder Yield ETF	39.98
FXI	iShares China Large-Cap ETF	40.45
BICK	First Trust BICK Index Fund	40.77
FLCH	Franklin FTSE China ETF	40.97
PGJ	Invesco Golden Dragon China ETF	40.98
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	41.04
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	41.22

\*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	-0.49%	-0.33%	-1.00%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.07%	-0.13%
IEF	7-10 Year Treasury Bonds	-0.91%	-1.21%	-2.74%
TLT	20+ Year Treasury Bonds	-2.26%	-1.26%	-4.96%
TIP	TIPS Bonds	-0.36%	-0.01%	3.56%
FLOT	Floating Rate Bonds	-0.04%	0.05%	0.40%
LQD	Investment Grade Corporate	-0.69%	0.08%	-0.61%
HYG	High Yield Corporate	0.05%	0.86%	3.60%
BKLN	Senior Loan	0.05%	0.75%	1.81%
PFF	Preferred & Income Securities	-0.38%	0.36%	5.16%
MUB	Municipal Bonds	-0.24%	-0.33%	0.80%
MBB	MBS	-0.26%	-0.23%	-0.78%
EMB	Dollar Denominated EM Bonds	-0.77%	-0.69%	-1.44%
LEMB	Local Currency EM Bond	-0.09%	-0.07%	-5.08%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.79%	6.51%	30.05%
DBE	Energy	1.99%	11.50%	51.57%
USO	WTI Crude Oil	1.78%	12.06%	55.65%
BNO	Brent Crude Oil	1.77%	13.14%	56.44%
UNG	Natural Gas	5.89%	27.57%	91.63%
UGA	Gasoline	2.23%	9.83%	53.07%
DBP	Precious Metals	-1.04%	-3.47%	-10.75%
GLD	Gold	-1.15%	-3.09%	-8.33%
SLV	Silver	-0.38%	-4.43%	-14.90%
PPLT	Platinum	-0.11%	-2.05%	-7.97%
PALL	Palladium	-1.59%	-16.66%	-19.08%
DBB	Base Metals	0.47%	5.82%	23.35%
CPER	Copper	0.19%	0.51%	18.95%
LD	Lead	0.94%	-7.13%	6.62%
JJN	Nickel	1.27%	2.23%	15.45%
JJU	Aluminum	0.95%	14.37%	47.27%
JJT	Tin	1.58%	13.28%	98.30%
DBA	Agriculture	1.24%	-0.79%	16.48%
CORN	Corn	0.92%	-0.75%	27.15%
SOYB	Soybeans	0.40%	-0.13%	14.84%
WEAT	Wheat	0.43%	-2.24%	12.92%
CANE	Sugar	1.27%	1.37%	42.07%
BAL	Cotton	1.63%	-1.10%	13.21%
NIB	Cocoa	-1.50%	3.00%	-0.93%
JO	Coffee	3.01%	5.23%	40.50%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.40%	0.04%	3.05%
UDN	Short Dollar	0.43%	-0.05%	-4.00%
FXE	Euro	0.44%	-0.09%	-4.56%
FXB	British Pound Sterling	0.73%	-0.05%	0.08%
FXF	Swiss Franc	0.10%	-1.36%	-5.07%
FXJ	Japanese Yen	-0.49%	-0.63%	-6.82%
FXC	Canadian Dollar	0.82%	-0.08%	0.21%
FXA	Australian Dollar	0.84%	1.19%	-5.57%

\*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)