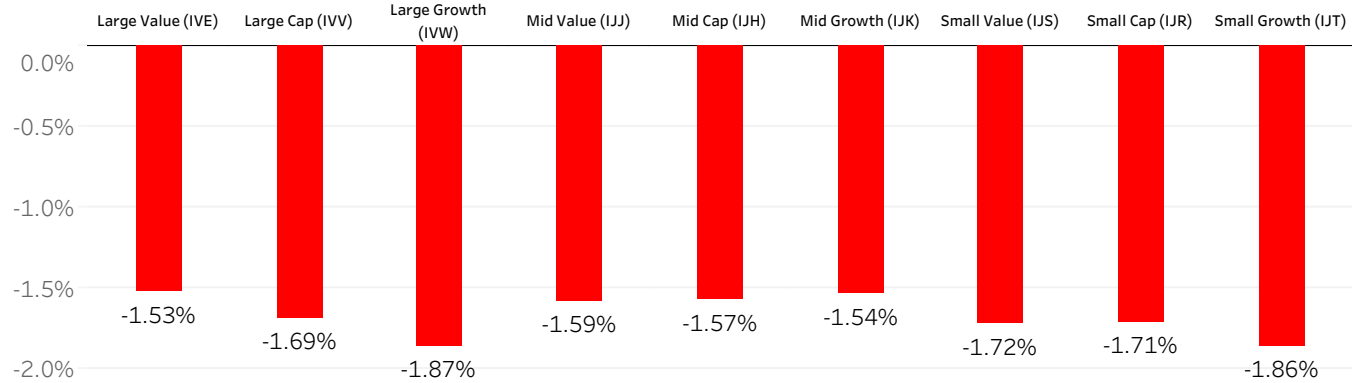


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.64%
ABEQ	Absolute Core Strategy ETF	-0.65%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.72%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.72%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.74%
LVHD	Legg Mason Low Volatility High Dividend ETF	-0.76%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	-0.79%
XMLV	Invesco S&P MidCap Low Volatility ETF	-0.81%
VSDA	VictoryShares Dividend Accelerator ETF	-0.84%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-0.88%

Size & Style Most Overbought

Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	54.11
IPO	Renaissance IPO ETF	51.01
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	45.66
MMLG	First Trust Multi-Manager Large Growth ETF	44.45
RFG	Invesco S&P Midcap 400 Pure Growth ETF	43.15
VBK	Vanguard Small-Cap Growth ETF	42.97
DWAS	Invesco DWA SmallCap Momentum ETF	42.74
IWP	iShares Russell Mid-Cap Growth ETF	42.54
MFMS	Motley Fool Small-Cap Growth ETF	42.53
RPG	Invesco S&P 500 Pure Growth ETF	42.41

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-3.81%
FCPI	Fidelity Stocks for Inflation ETF	-3.62%
DWAS	Invesco DWA SmallCap Momentum ETF	-3.60%
BUZZ	VanEck Social Sentiment ETF	-3.24%
IPO	Renaissance IPO ETF	-3.14%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-3.07%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	-2.99%
VTWG	Vanguard Russell 2000 Growth ETF	-2.90%
QQH	HCM Defender 100 Index ETF	-2.87%
LGH	HCM Defender 500 Index ETF	-2.86%

Size & Style Most Oversold

Ticker	Fund	Value
CSB	VictoryShares US Small Cap High Dividend Volatility ..	27.40
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	27.52
SDY	SPDR S&P Dividend ETF	28.39
FLQL	Franklin LibertyQ U.S. Equity ETF	28.52
DJD	Invesco Dow Jones Industrial Average Dividend ETF	28.62
VIG	Vanguard Dividend Appreciation ETF	28.67
RFDA	RiverFront Dynamic US Dividend Advantage ETF	28.71
WBIF	WBI BullBear Value 3000 ETF	28.74
QUAL	iShares MSCI USA Quality Factor ETF	29.25
TPHD	Timothy Plan High Dividend Stock ETF	29.34

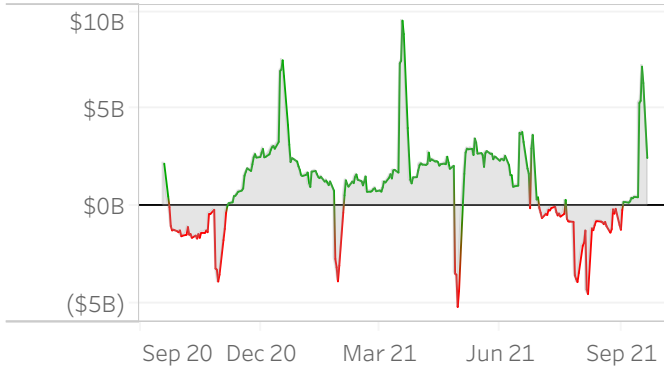
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

* 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	\$1,277B	\$2.41B	\$57.60B	\$70.40B	\$91.54B
Large Cap, Beta Growth, Beta: Growth	10	\$262B	\$0.95B	\$8.39B	\$9.51B	\$3.93B
Small Cap, Beta, Beta: Value	7	\$55B	\$0.01B	(\$1.63B)	\$0.29B	\$8.79B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.03B)	(\$0.97B)	\$1.43B	\$3.64B
Large Cap, Beta Growth, Beta: Value	10	\$197B	(\$0.14B)	\$1.88B	\$13.49B	\$31.26B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.63B)	\$0.77B	(\$1.14B)	\$1.81B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.68B)	\$0.42B	(\$2.16B)	(\$2.11B)
Mid Cap, Beta, Beta	10	\$185B	(\$2.10B)	\$1.05B	(\$0.80B)	\$8.34B
Small Cap, Beta, Beta	12	\$212B	(\$3.73B)	(\$2.11B)	(\$4.12B)	\$21.07B

U.S. Size & Style Flow Leaders

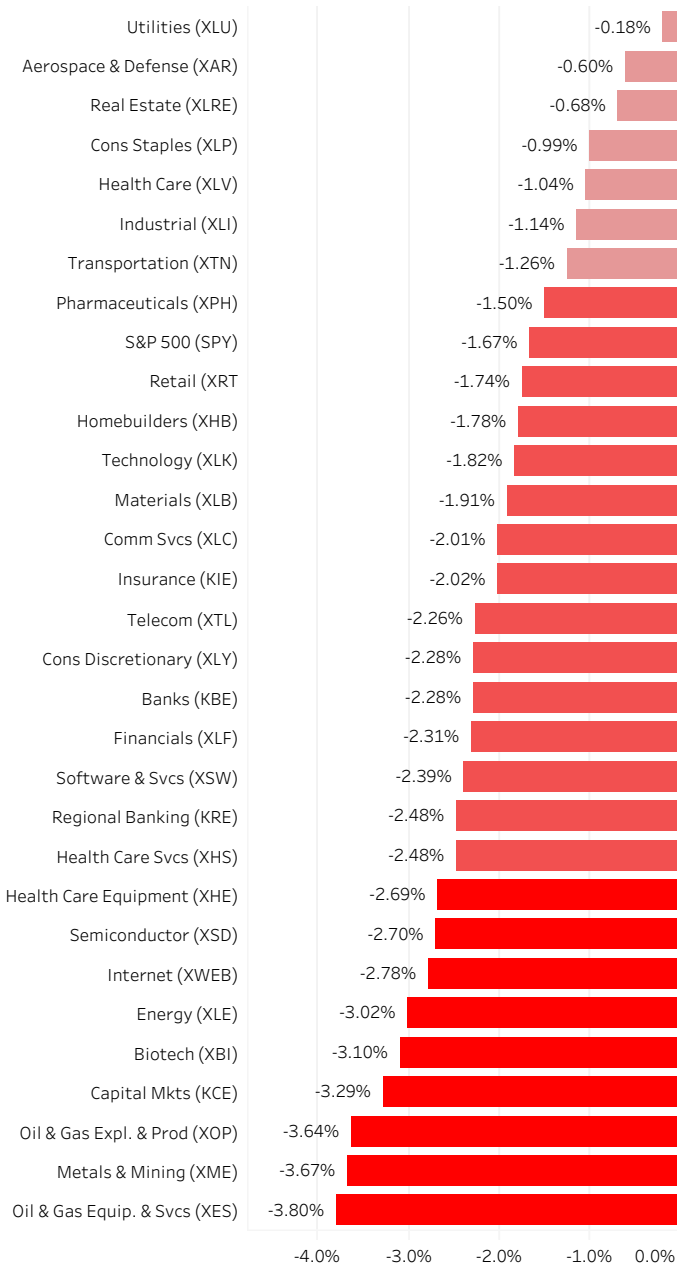
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.90B	\$25.98B	\$18.89B	\$8.08B	\$401.81B
IVV	iShares Core S&P 500 ETF	\$1.10B	\$5.65B	\$9.70B	\$16.30B	\$302.16B
VUG	Vanguard Growth ETF	\$0.73B	\$1.76B	\$4.53B	\$4.77B	\$86.46B
VOO	Vanguard S&P 500 ETF	\$0.70B	\$12.97B	\$22.07B	\$37.03B	\$252.42B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$0.59B	\$0.84B	\$1.24B	\$1.56B	\$9.44B
VTV	Vanguard Value ETF	\$0.24B	\$1.32B	\$7.78B	\$15.22B	\$83.67B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.12B	(\$0.03B)	\$0.42B	\$1.77B	\$8.61B
VIG	Vanguard Dividend Appreciation ETF	\$0.12B	\$1.24B	(\$9.86B)	\$4.04B	\$62.44B
IWN	iShares Russell 2000 Value ETF	\$0.11B	(\$0.88B)	(\$1.22B)	\$2.29B	\$15.51B
SCHD	Schwab US Dividend Equity ETF	\$0.11B	\$1.87B	\$1.03B	\$9.95B	\$27.58B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$2.53B)	(\$4.15B)	(\$6.93B)	\$4.62B	\$63.82B
VO	Vanguard Mid-Cap ETF	(\$1.90B)	\$1.90B	\$1.09B	\$5.00B	\$53.74B
VTI	Vanguard Total Stock Market ETF	(\$1.72B)	\$11.38B	\$23.31B	\$46.78B	\$270.93B
QQQ	Invesco QQQ Trust	(\$1.43B)	\$8.29B	\$13.10B	\$18.52B	\$191.34B
VB	Vanguard Small-Cap ETF	(\$1.32B)	\$1.30B	\$1.45B	\$6.21B	\$48.40B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.67B)	\$0.47B	(\$0.27B)	\$0.62B	\$12.24B
VBK	Vanguard Small-Cap Growth ETF	(\$0.63B)	\$0.69B	(\$0.20B)	\$1.50B	\$16.99B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.52B)	(\$0.05B)	\$0.40B	\$1.25B	\$29.82B
IVE	iShares S&P 500 Value ETF	(\$0.30B)	(\$0.21B)	(\$0.15B)	\$1.41B	\$22.23B
IWR	iShares Russell Midcap ETF	(\$0.18B)	(\$0.33B)	\$0.20B	\$0.61B	\$29.74B

* 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	-2.77%	25.65%	-1.07%	3.96%	40.41
XLP	Consumer Staples Select Sector SPDR Fund	-3.78%	12.77%	-2.08%	1.94%	33.68
XLV	Health Care Select Sector SPDR Fund	-4.17%	29.01%	-1.47%	7.11%	35.54
SPY	SPDR S&P 500 ETF Trust	-4.23%	32.92%	-2.02%	5.59%	32.17
XLK	Technology Select Sector SPDR Fund	-4.58%	37.45%	-1.78%	8.14%	34.60
XLRE	Real Estate Select Sector SPDR Fund	-5.05%	36.17%	-1.16%	10.66%	39.90
XLC	Communication Services Select Sector SPDR Fund	-5.49%	38.46%	-2.28%	6.39%	32.19
XLU	Utilities Select Sector SPDR Fund	-6.12%	12.71%	-2.66%	1.80%	32.23
XLF	Financial Select Sector SPDR Fund	-6.28%	54.81%	-2.49%	4.87%	35.60
XLI	Industrial Select Sector SPDR Fund	-6.32%	32.04%	-4.22%	0.65%	30.86
XLB	Materials Select Sector SPDR Fund	-10.44%	28.22%	-5.14%	-1.20%	26.44
XLE	Energy Select Sector SPDR Fund	-15.93%	70.48%	-3.17%	-2.45%	42.81

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
REZ	iShares Residential and Multisector Real Estate E..	0.05%
NURE	Nuveen Short-Term REIT ETF	-0.06%
XLU	Utilities Select Sector SPDR Fund	-0.18%
NETL	NETLease Corporate Real Estate ETF	-0.21%
IDU	iShares U.S. Utilities ETF	-0.23%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.25%
PSR	Invesco Active U.S. Real Estate Fund	-0.29%
PPTY	US Diversified Real Estate ETF	-0.29%
VPU	Vanguard Utilities ETF	-0.30%
FXU	First Trust Utilities AlphaDEX Fund	-0.31%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FCG	First Trust Natural Gas ETF	52.51
PXI	Invesco DWA Energy Momentum ETF	51.95
PXE	Invesco Dynamic Energy Exploration & Production ETF	51.43
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	50.56
PSCE	Invesco S&P SmallCap Energy ETF	49.91
IHI	iShares U.S. Medical Devices ETF	49.71
PSI	Invesco Dynamic Semiconductors ETF	49.64
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	49.42
FXN	First Trust Energy AlphaDEX Fund	49.10
FTXL	First Trust Nasdaq Semiconductor ETF	48.29

Sector & Industry 1 Day Performance Laggards

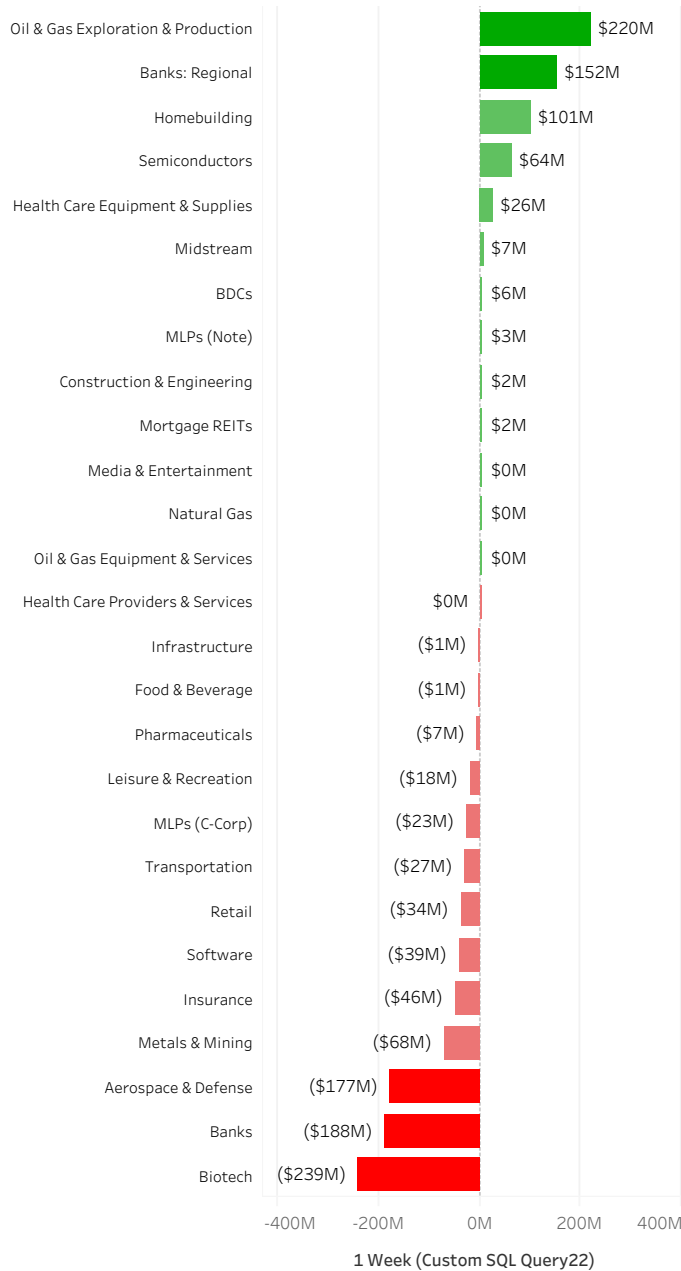
Ticker	Fund	1 Day Performance
AMZA	InfraCap MLP ETF	-3.82%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-3.80%
FCG	First Trust Natural Gas ETF	-3.76%
IEZ	iShares U.S. Oil Equipment & Services ETF	-3.75%
XME	SPDR S&P Metals & Mining ETF	-3.67%
PXI	Invesco DWA Energy Momentum ETF	-3.67%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-3.64%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-3.61%
PFI	Invesco DWA Financial Momentum ETF	-3.58%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-3.50%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	25.74
XLB	Materials Select Sector SPDR Fund	26.44
FMAT	Fidelity MSCI Materials Index ETF	27.18
VAW	Vanguard Materials ETF	28.25
IYM	iShares U.S. Basic Materials ETF	28.27
PJP	Invesco Dynamic Pharmaceuticals ETF	28.32
RTM	Invesco S&P 500 Equal Weight Materials ETF	28.44
IHE	iShares U.S. Pharmaceuticals ETF	29.27
IYJ	iShares U.S. Industrials ETF	29.39
KIE	SPDR S&P Insurance ETF	29.65

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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	\$22B	\$136M	\$2,005M	\$1,564M	\$2,550M
Consumer Discretionary	13	\$34B	\$242M	\$259M	(\$229M)	\$3,074M
Consumer Staples	12	\$21B	(\$958M)	\$415M	\$837M	(\$3,446M)
Energy	34	\$47B	\$359M	(\$1,630M)	\$577M	\$10,308M
Financials	28	\$75B	(\$586M)	(\$2,837M)	\$393M	\$19,539M
Health Care	25	\$92B	(\$472M)	\$5,016M	\$4,871M	\$3,318M
Industrial	14	\$34B	(\$848M)	(\$3,502M)	(\$3,475M)	\$2,787M
Materials	10	\$16B	(\$174M)	(\$2,369M)	\$1,742M	\$5,684M
Multi-Sector	16	\$25B	\$72M	\$338M	\$969M	\$3,248M
Real Estate	21	\$75B	\$509M	\$3,198M	\$8,546M	\$13,014M
Technology	24	\$143B	\$264M	\$4,188M	\$2,919M	\$2,649M
Utilities	10	\$20B	(\$904M)	\$1,490M	\$733M	\$456M

U.S. Sector & Industry Flow Leaders

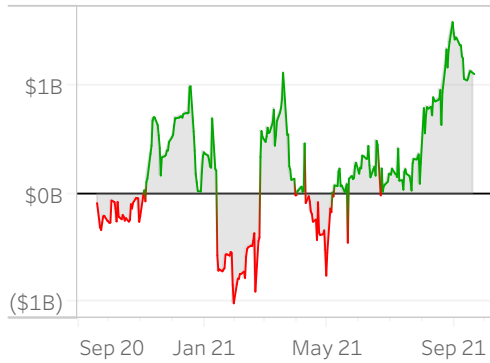
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	\$378M	\$1,528M	\$2,209M	\$1,862M	\$51,064M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$304M	(\$179M)	(\$1,191M)	\$378M	\$20,246M
REZ	iShares Residential and Multisector Real Estat..	\$268M	\$396M	\$495M	\$548M	\$1,088M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$224M	(\$565M)	(\$642M)	(\$394M)	\$3,143M
XLE	Energy Select Sector SPDR Fund	\$168M	\$20M	\$504M	\$7,896M	\$22,892M
KRE	SPDR S&P Regional Banking ETF	\$149M	(\$415M)	(\$567M)	\$2,369M	\$4,280M
XLC	Communication Services Select Sector SPDR Fu..	\$138M	\$1,319M	\$905M	\$1,506M	\$15,675M
IYR	iShares U.S. Real Estate ETF	\$133M	\$155M	\$2,507M	\$2,926M	\$7,762M
ITB	iShares U.S. Home Construction ETF	\$120M	(\$194M)	(\$217M)	(\$387M)	\$2,399M
IYW	iShares U.S. Technology ETF	\$81M	\$828M	\$713M	\$488M	\$8,969M

U.S. Sector & Industry Flow Laggards

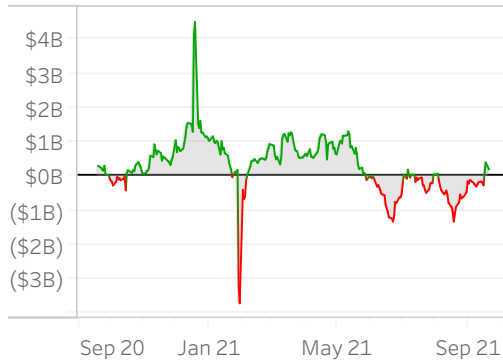
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	(\$958M)	\$1,250M	\$340M	\$19M	\$12,987M
XLP	Consumer Staples Select Sector SPDR Fund	(\$948M)	\$331M	\$738M	(\$2,839M)	\$12,671M
XLI	Industrial Select Sector SPDR Fund	(\$635M)	(\$2,157M)	(\$3,095M)	\$491M	\$17,013M
XLF	Financial Select Sector SPDR Fund	(\$508M)	(\$2,238M)	(\$1,255M)	\$10,465M	\$40,030M
XBI	SPDR S&P BIOTECH ETF	(\$248M)	(\$27M)	\$558M	\$490M	\$7,123M
XLV	Health Care Select Sector SPDR Fund	(\$246M)	\$3,574M	\$4,475M	\$2,884M	\$32,885M
XLK	Technology Select Sector SPDR Fund	(\$241M)	\$697M	\$31M	(\$1,194M)	\$44,905M
KBE	SPDR S&P Bank ETF	(\$182M)	(\$478M)	(\$1,365M)	\$570M	\$2,905M
ITA	iShares U.S. Aerospace & Defense ETF	(\$169M)	(\$166M)	(\$305M)	(\$750M)	\$2,616M
XLB	Materials Select Sector SPDR Fund	(\$86M)	(\$1,846M)	\$846M	\$2,411M	\$7,680M

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

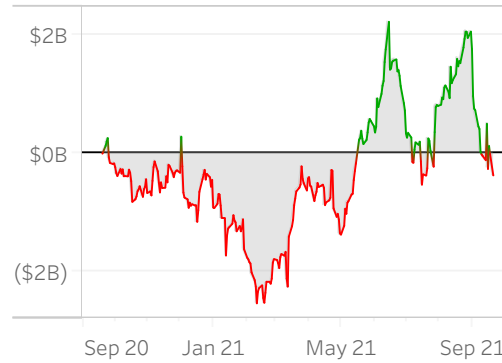
Communication Services



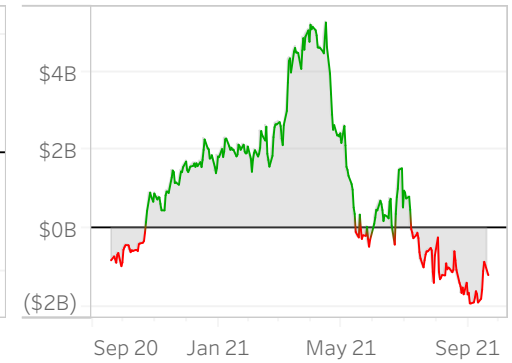
Consumer Discretionary



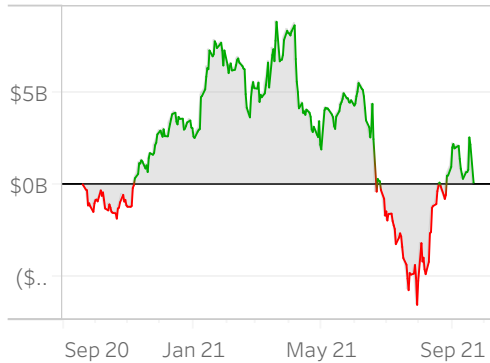
Consumer Staples



Energy



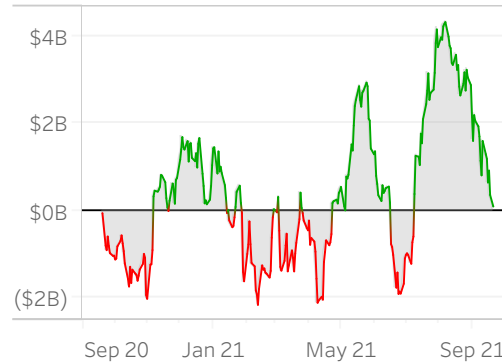
Financials



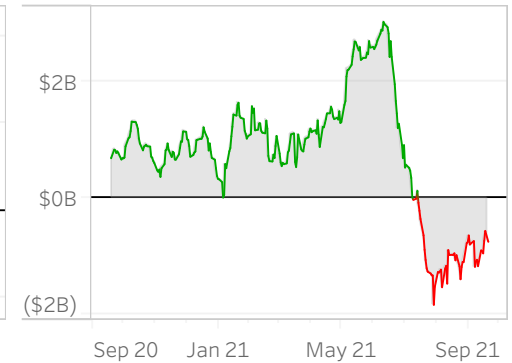
Industrial



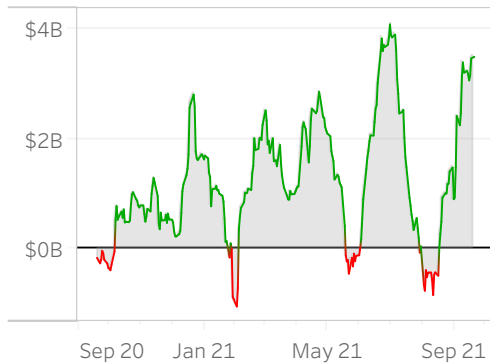
Health Care



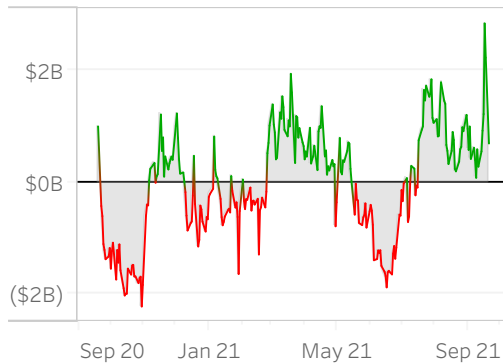
Materials



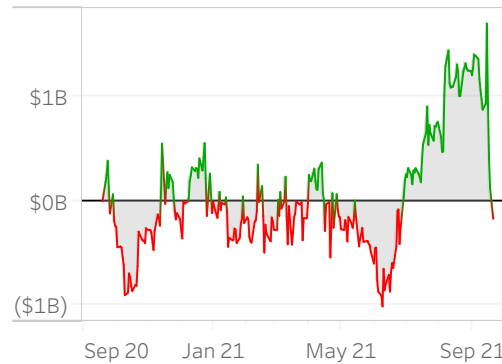
Real Estate



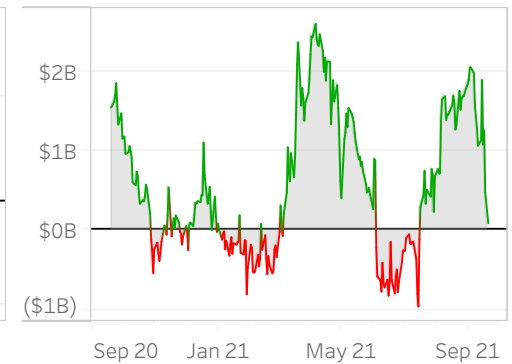
Technology



Utilities

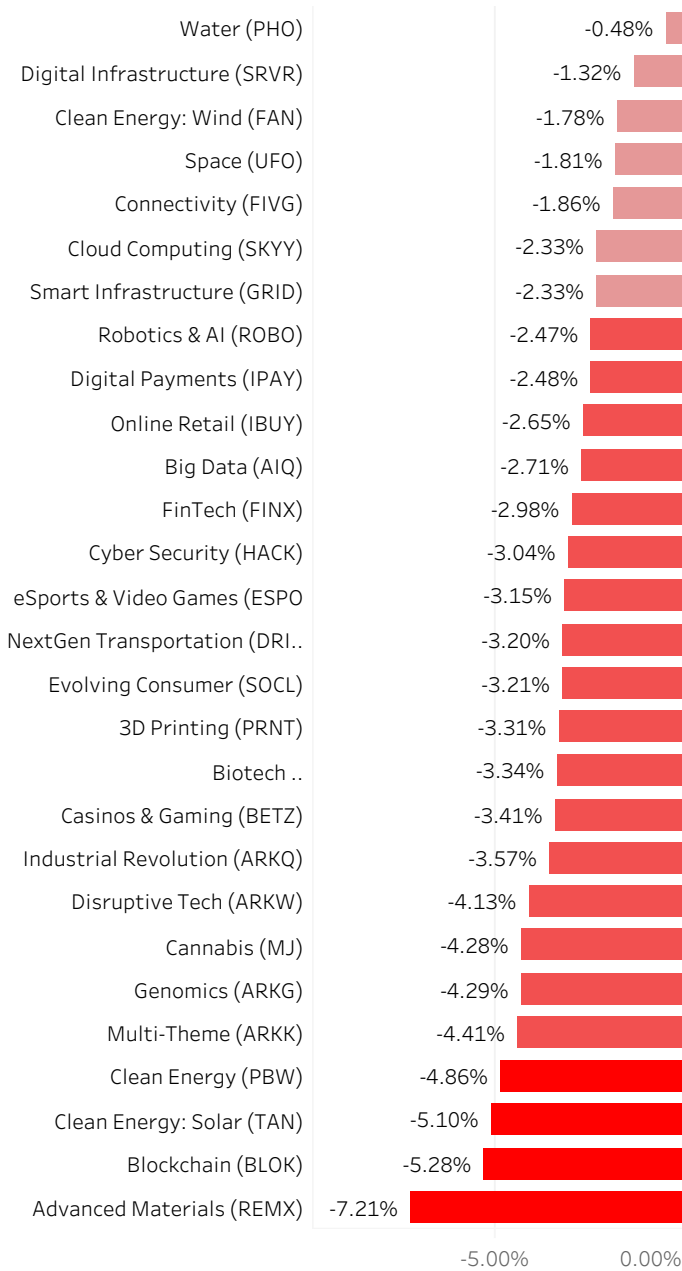


Multi-Sector

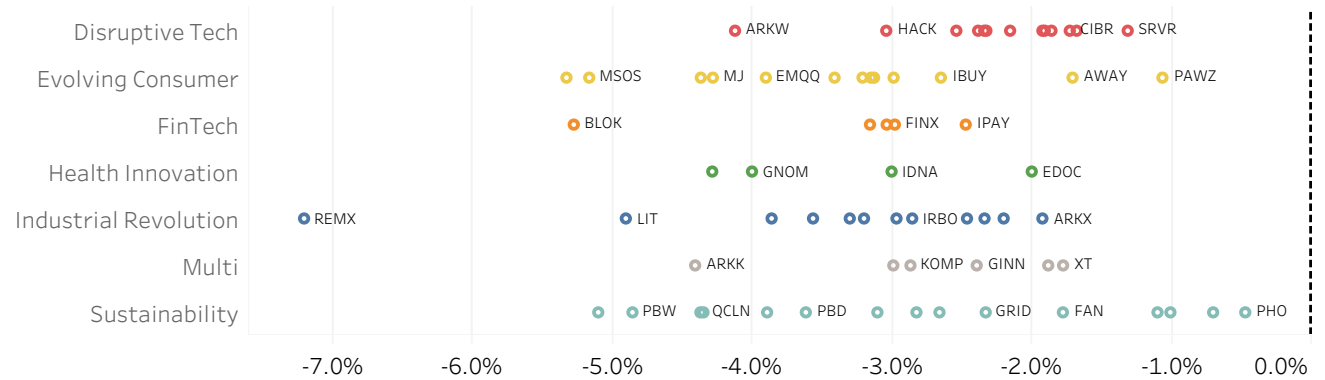


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PHO	Invesco Water Resources ETF	-0.48%
FIW	First Trust Water ETF	-0.71%
EVX	VanEck Environmental Services ETF	-0.87%
CGW	Invesco S&P Global Water Index ETF	-1.01%
PAWZ	ProShares Pet Care ETF	-1.07%
AGNG	Global X Aging Population ETF	-1.09%
PIO	Invesco Global Water ETF	-1.11%
EBLU	Ecofin Global Water ESG Fund	-1.15%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-1.32%
KLDW	Knowledge Leaders Developed World ETF	-1.57%

Thematic Most Overbought

Ticker	Fund	Value
BOTZ	Global X Robotics & Artificial Intelligence ETF	57.30
EDOC	Global X Telemedicine & Digital Health ETF	50.95
SBIO	ALPS Medical Breakthroughs ETF	50.59
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	49.31
BETZ	Roundhill Sports Betting & iGaming ETF	48.47
WCLD	WisdomTree Cloud Computing Fund	47.93
QTUM	Defiance Quantum ETF	47.36
CLOU	Global X Cloud Computing ETF	46.91
IVES	Wedbush ETFMG Global Cloud Technology ETF	46.43
HTEC	ROBO Global Healthcare Technology and Innovation ETF	45.15

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DAPP	VanEck Digital Transformation ETF	-7.76%
REMX	VanEck Rare Earth/Strategic Metals ETF	-7.21%
BITQ	Bitwise Crypto Industry Innovators ETF	-7.12%
POTX	Global X Cannabis ETF	-5.36%
KWEB	KraneShares CSI China Internet ETF	-5.33%
BLOK	Amplify Transformational Data Sharing ETF	-5.28%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-5.22%
MSOS	AdvisorShares Pure US Cannabis ETF	-5.17%
TAN	Invesco Solar ETF	-5.10%
LIT	Global X Lithium & Battery Tech ETF	-4.91%

Thematic Most Oversold

Ticker	Fund	Value
POTX	Global X Cannabis ETF	25.82
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	26.11
KSTR	KraneShares SSE STAR Market 50 Index ETF	26.37
MJ	ETFMG Alternative Harvest ETF	26.69
THCX	Cannabis ETF	26.78
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	27.27
GAMR	Wedbush ETFMG Video Game Tech ETF	28.47
HERO	Global X Video Games & Esports ETF	29.56
FIVG	Defiance Next Gen Connectivity ETF	30.43
SMOG	VanEck Low Carbon Energy ETF	30.56

* 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	Flow
CIBR	First Trust NASDAQ Cybersecurity ETF	\$121M
PBW	Invesco WilderHill Clean Energy ETF	\$76M
ARKK	ARK Innovation ETF	\$59M
ONLN	ProShares Online Retail ETF	\$53M
LIT	Global X Lithium & Battery Tech ETF	\$31M
XT	iShares Exponential Technologies ETF	\$23M
FIW	First Trust Water ETF	\$18M
PAWZ	ProShares Pet Care ETF	\$18M
SKYY	First Trust Cloud Computing ETF	\$16M
CGW	Invesco S&P Global Water Index ETF	\$14M

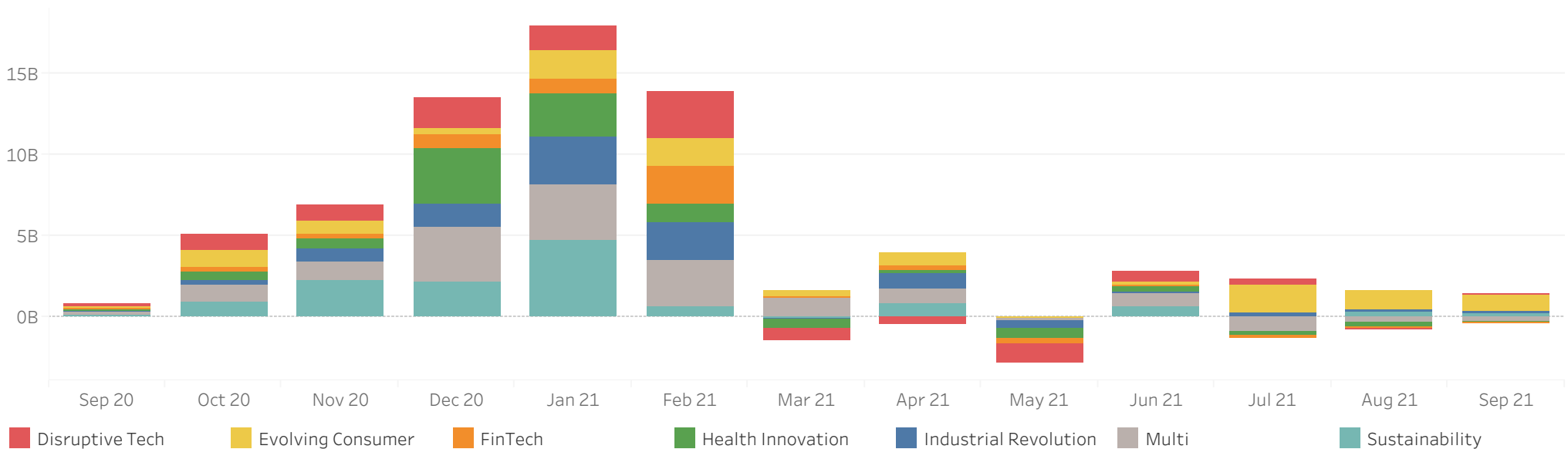
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$83M)
ARKW	ARK Next Generation Internet ETF	(\$74M)
ARKF	ARK Fintech Innovation ETF	(\$68M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
ESPO	VanEck Video Gaming and eSports ETF	(\$31M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$21M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$20M)
TAN	Invesco Solar ETF	(\$13M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$10M)
MJ	ETFMG Alternative Harvest ETF	(\$9M)

Thematic Landscape Assets & Flows

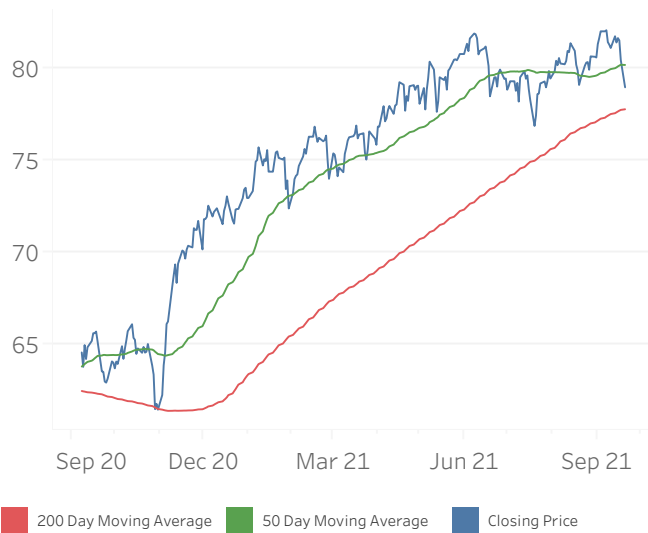
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$30B	\$65M	\$765M	(\$650M)	\$7,186M
Evolving Consumer	38	\$17B	(\$56M)	\$3,729M	\$4,833M	\$10,943M
FinTech	12	\$8B	(\$37M)	(\$199M)	(\$158M)	\$4,833M
Health Innovation	14	\$10B	\$13M	(\$272M)	(\$787M)	\$7,306M
Industrial Revolution	22	\$18B	\$18M	\$614M	\$1,045M	\$8,553M
Multi	28	\$31B	\$109M	(\$809M)	(\$446M)	\$13,228M
Sustainability	33	\$23B	\$97M	\$841M	\$1,955M	\$12,998M
Grand Total	176	\$136B	\$209M	\$4,669M	\$5,793M	\$65,048M

Thematic Monthly Flows

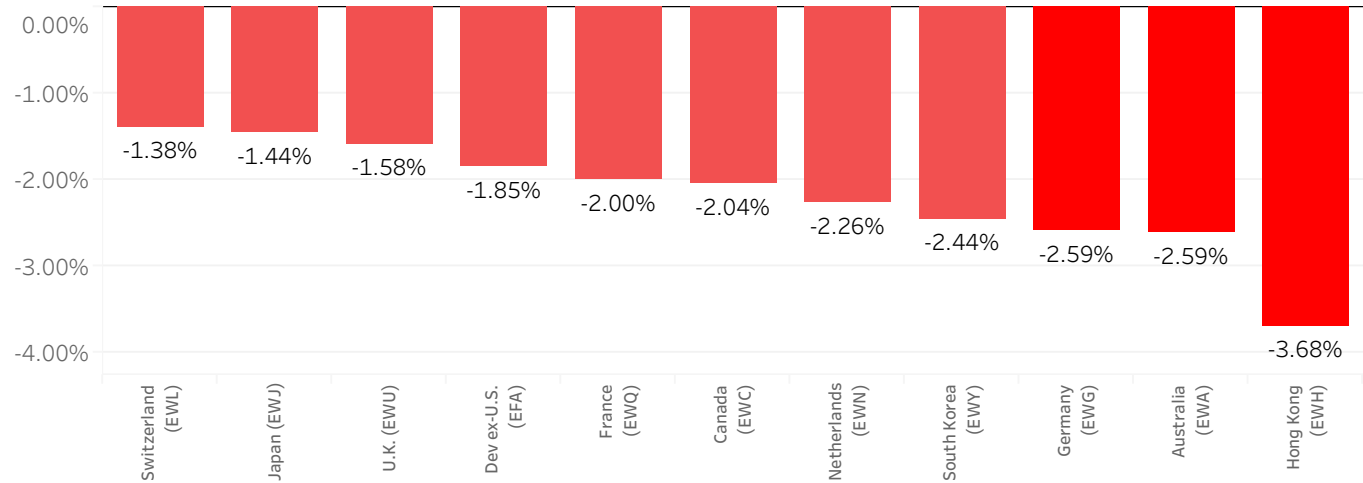


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

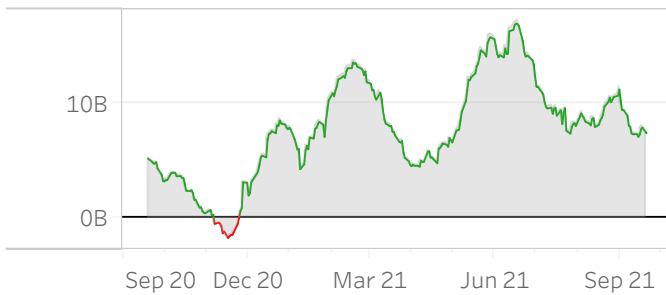
Developed ex-U.S. (EFA)



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



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



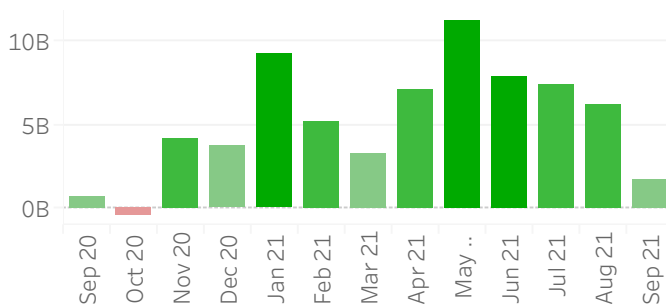
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
ENZL	iShares MSCI New Zealand ETF	-0.57%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.91%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.92%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.96%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.05%
EIS	iShares MSCI Israel ETF	-1.21%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-1.21%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.30%
JPXN	iShares JPX-Nikkei 400 ETF	-1.31%
EWS	iShares MSCI Singapore ETF	-1.38%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
SCJ	iShares MSCI Japan Small-Cap ETF	64.29
DFJ	WisdomTree Japan SmallCap Dividend Fund	64.28
JPXN	iShares JPX-Nikkei 400 ETF	61.55
BBJP	JPMorgan BetaBuilders Japan ETF	59.93
FLJP	Franklin FTSE Japan ETF	59.73
EWJ	iShares MSCI Japan ETF	59.56
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	57.90
HEWJ	iShares Currency Hedged MSCI Japan ETF	57.81
DXJ	WisdomTree Japan Hedged Equity Fund	57.50
ENZL	iShares MSCI New Zealand ETF	49.74

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWH	iShares MSCI Hong Kong ETF	-3.68%
AIA	iShares Asia 50 ETF	-3.51%
IMOM	Alpha Architect International Quantitative Momentum ETF	-3.20%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-2.96%
EWD	iShares MSCI Sweden ETF	-2.85%
EIRL	iShares MSCI Ireland ETF	-2.84%
FEP	First Trust Europe AlphaDEX Fund	-2.74%
FGM	First Trust Germany AlphaDEX Fund	-2.72%
EPP	iShares MSCI Pacific ex-Japan ETF	-2.67%
DFE	WisdomTree Europe SmallCap Dividend Fund	-2.64%

Developed ex-U.S. Most Oversold

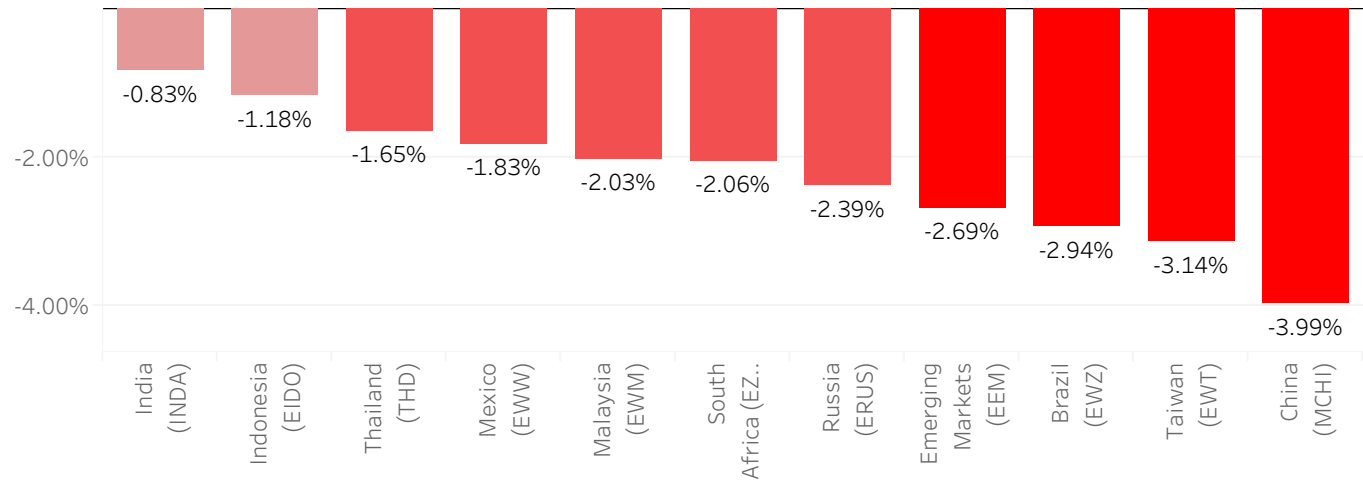
Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	16.29
EWL	iShares MSCI Switzerland ETF	19.88
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	22.83
EPP	iShares MSCI Pacific ex-Japan ETF	23.46
EUDG	WisdomTree Europe Quality Dividend Growth Fund	23.90
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	23.93
HEWG	iShares Currency Hedged MSCI Germany ETF	24.47
EWG	iShares MSCI Germany ETF	24.67
FGM	First Trust Germany AlphaDEX Fund	25.70
FLEE	Franklin FTSE Europe ETF	25.89

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

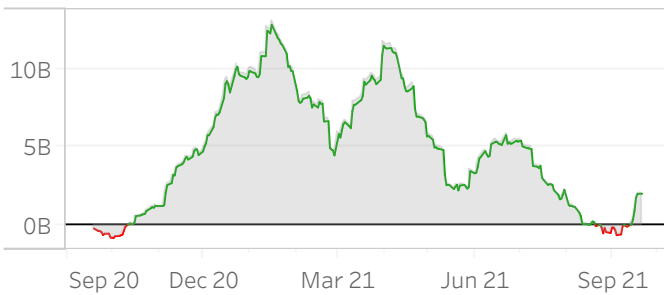
Emerging (EEM)



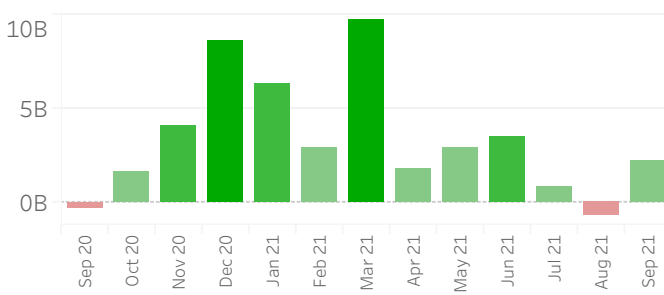
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
QAT	iShares MSCI Qatar ETF	-0.35%
INDY	iShares India 50 ETF	-0.83%
INDA	iShares MSCI India ETF	-0.83%
KSA	iShares MSCI Saudi Arabia ETF	-0.84%
SMIN	iShares MSCI India Small Cap ETF	-1.07%
EIDO	iShares MSCI Indonesia ETF	-1.18%
PIN	Invesco India ETF	-1.19%
EPHE	iShares MSCI Philippines ETF	-1.28%
EPI	WisdomTree India Earnings Fund	-1.31%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	-1.31%

Emerging Most Overbought

Ticker	Fund	Value
INDY	iShares India 50 ETF	58.49
INDA	iShares MSCI India ETF	58.18
SMIN	iShares MSCI India Small Cap ETF	56.81
EPI	WisdomTree India Earnings Fund	55.22
NFTY	First Trust India NIFTY 50 Equal Weight ETF	53.25
GLIN	VanEck India Growth Leaders ETF	52.93
QAT	iShares MSCI Qatar ETF	52.87
KSA	iShares MSCI Saudi Arabia ETF	51.70
PIN	Invesco India ETF	51.56
EPHE	iShares MSCI Philippines ETF	48.87

Emerging 1-Day Performance Laggards

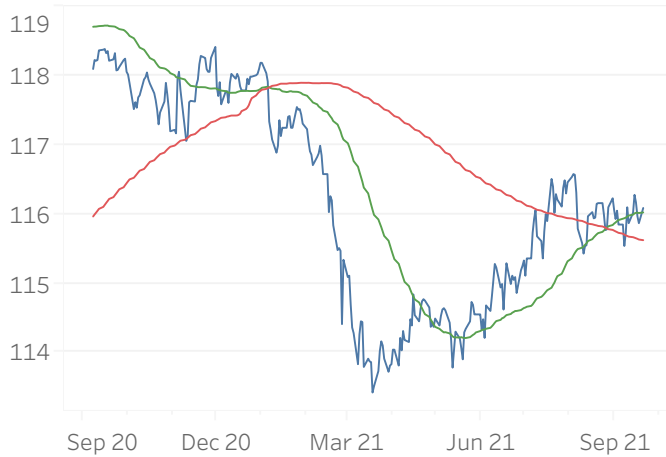
Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-5.44%
FXI	iShares China Large-Cap ETF	-4.36%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-4.35%
GXC	SPDR S&P China ETF	-4.18%
FLCH	Franklin FTSE China ETF	-4.04%
ECNS	iShares MSCI China Small-Cap ETF	-4.01%
MCHI	iShares MSCI China ETF	-3.99%
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.72%
FNI	First Trust Chindia ETF	-3.59%
PIE	Invesco DWA Emerging Markets Momentum ETF	-3.52%

Emerging Most Oversold

Ticker	Fund	Value
BICK	First Trust BICK Index Fund	26.60
ILF	iShares Latin America 40 ETF	27.99
AFK	VanEck Africa Index ETF	28.29
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	29.54
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity ..	29.92
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	30.23
TUR	iShares MSCI Turkey ETF	30.55
EWZ	iShares MSCI Brazil ETF	30.57
DGRE	WisdomTree Emerging Markets Quality Dividend Gr..	30.73
LDEM	iShares ESG MSCI EM Leaders ETF	30.77

* 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	0.19%	0.08%	-0.59%
SHY	1-3 Year Treasury Bonds	0.02%	0.03%	-0.04%
IEF	7-10 Year Treasury Bonds	0.51%	-0.31%	-1.88%
TLT	20+ Year Treasury Bonds	1.24%	0.44%	-3.25%
TIP	TIPS Bonds	0.09%	0.75%	4.11%
FLOT	Floating Rate Bonds	-0.04%	0.05%	0.40%
LQD	Investment Grade Corporate	0.31%	0.58%	-0.19%
HYG	High Yield Corporate	-0.35%	0.77%	3.19%
BKLN	Senior Loan	-0.16%	0.68%	1.53%
PFF	Preferred & Income Securities	-0.81%	-0.10%	4.49%
MUB	Municipal Bonds	0.15%	0.06%	1.09%
MBB	MBS	0.10%	0.21%	-0.41%
EMB	Dollar Denominated EM Bonds	-0.46%	0.20%	-0.93%
LEMB	Local Currency EM Bond	-0.42%	0.37%	-5.04%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.53%	6.73%	26.71%
DBE	Energy	-1.43%	13.19%	46.49%
USO	WTI Crude Oil	-1.43%	14.21%	50.26%
BNO	Brent Crude Oil	-1.27%	15.12%	50.78%
UNG	Natural Gas	-2.27%	27.97%	87.50%
UGA	Gasoline	-2.23%	12.83%	49.40%
DBP	Precious Metals	0.45%	-1.63%	-10.35%
GLD	Gold	0.71%	-1.06%	-7.52%
SLV	Silver	-0.72%	-3.56%	-16.20%
PPLT	Platinum	-2.83%	-8.18%	-15.35%
PALL	Palladium	-5.96%	-16.92%	-23.01%
DBB	Base Metals	-1.52%	3.95%	20.39%
CPER	Copper	-3.22%	-0.32%	16.05%
LD	Lead	-1.48%	-5.76%	7.56%
JJN	Nickel	-2.11%	2.27%	12.17%
JJU	Aluminum	-0.34%	12.08%	42.09%
JJT	Tin	-0.72%	8.46%	88.78%
DBA	Agriculture	-0.97%	-2.23%	14.13%
CORN	Corn	-0.76%	-1.85%	25.74%
SOYB	Soybeans	-1.17%	-1.17%	13.20%
WEAT	Wheat	-0.73%	-3.53%	10.34%
CANE	Sugar	-1.06%	0.00%	37.93%
BAL	Cotton	-3.90%	-4.59%	8.79%
NIB	Cocoa	-2.33%	2.03%	-1.73%
JO	Coffee	-1.91%	1.59%	34.64%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.04%	-0.36%	3.26%
UDN	Short Dollar	-0.05%	0.34%	-4.18%
FXE	Euro	-0.03%	0.16%	-4.67%
FXB	British Pound Sterling	-0.53%	0.26%	-0.35%
FXF	Swiss Franc	0.48%	-1.23%	-5.38%
FXJ	Japanese Yen	0.61%	0.30%	-6.00%
FXC	Canadian Dollar	-0.49%	0.08%	-1.02%
FXA	Australian Dollar	-0.17%	1.67%	-6.13%

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Contact us at:

team@etfaction.com

www.etfaction.com