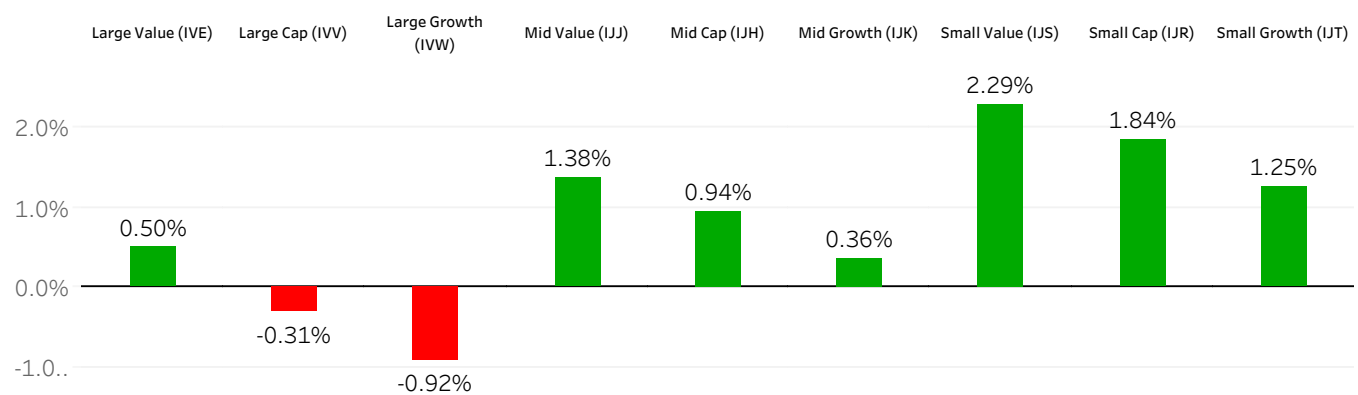


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AVUV	Avantis U.S. Small Cap Value ETF	3.13%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	2.99%
SVAL	iShares US Small Cap Value Factor ETF	2.99%
CALF	Pacer US Small Cap Cash Cows 100 ETF	2.92%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	2.90%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	2.76%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	2.59%
FDM	First Trust Dow Jones Select MicroCap Index Fund	2.42%
DWAS	Invesco DWA SmallCap Momentum ETF	2.39%
EES	WisdomTree U.S. SmallCap Fund	2.35%

Size & Style Most Overbought

Ticker	Fund	Value
AVUV	Avantis U.S. Small Cap Value ETF	63.66
XSVM	Invesco S&P SmallCap Value with Momentum ETF	62.53
RWJ	Invesco S&P SmallCap 600 Revenue ETF	62.46
RZV	Invesco S&P Smallcap 600 Pure Value ETF	61.86
DWAS	Invesco DWA SmallCap Momentum ETF	61.82
CALF	Pacer US Small Cap Cash Cows 100 ETF	61.71
FDM	First Trust Dow Jones Select MicroCap Index Fund	61.71
XSVM	Invesco S&P SmallCap Momentum ETF	61.45
VIOV	Vanguard S&P Small-Cap 600 Value ETF	61.23
SPHB	Invesco S&P 500 High Beta ETF	61.16

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-2.34%
IPO	Renaissance IPO ETF	-1.86%
FTC	First Trust Large Cap Growth AlphaDEX Fund	-1.42%
PSET	Principal Quality ETF	-1.41%
RPG	Invesco S&P 500 Pure Growth ETF	-1.39%
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovation E..	-1.34%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-1.29%
FPX	First Trust US Equity Opportunities ETF	-1.27%
QGRO	American Century STOXX U.S. Quality Growth ETF	-1.18%
NULG	Nuveen ESG Large-Cap Growth ETF	-1.16%

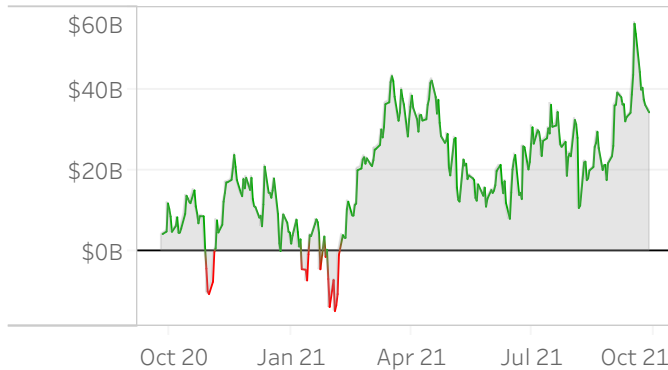
Size & Style Most Oversold

Ticker	Fund	Value
ALTL	Pacer Lunt Large Cap Alternator ETF	33.54
SPLV	Invesco S&P 500 Low Volatility ETF	33.90
HUSV	First Trust Horizon Managed Volatility Domestic ETF	34.48
USMV	iShares MSCI USA Min Vol Factor ETF	35.00
VSDA	VictoryShares Dividend Accelerator ETF	36.05
FVD	First Trust Value Line Dividend Index Fund	36.37
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	36.44
LVHD	Legg Mason Low Volatility High Dividend ETF	36.48
QLV	FlexShares US Quality Low Volatility Index Fund	36.81
FTCS	First Trust Capital Strength ETF	37.96

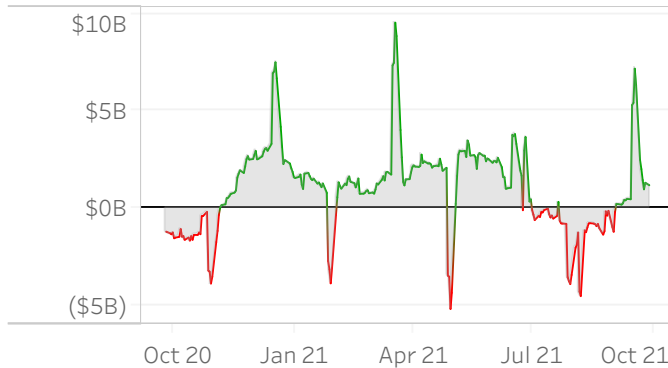
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

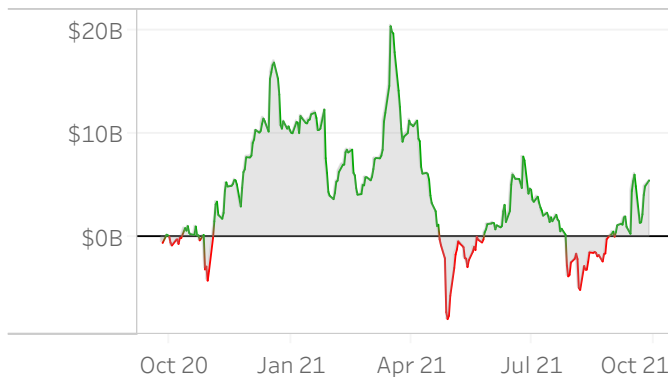
Large-Cap 30-Day Rolling Flows



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
Small Cap, Beta, Beta	12	\$218B	\$4.79B	\$3.44B	\$4.70B	\$26.46B
Large Cap, Beta Growth, Beta	24	\$1,279B	\$0.57B	\$44.52B	\$60.14B	\$93.48B
Large Cap, Beta Growth, Beta: Value	10	\$198B	\$0.47B	\$2.63B	\$12.58B	\$31.26B
Small Cap, Beta, Beta: Value	7	\$56B	\$0.00B	(\$1.37B)	\$0.59B	\$8.93B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.05B)	\$0.53B	\$0.02B	\$1.74B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.18B)	(\$0.92B)	\$1.61B	\$3.92B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.24B)	\$0.17B	(\$1.02B)	(\$2.35B)
Mid Cap, Beta, Beta	10	\$185B	(\$0.55B)	\$0.79B	\$2.95B	\$8.57B
Large Cap, Beta Growth, Beta: Growth	10	\$261B	(\$0.89B)	\$7.42B	\$8.67B	\$3.83B

U.S. Size & Style Flow Leaders

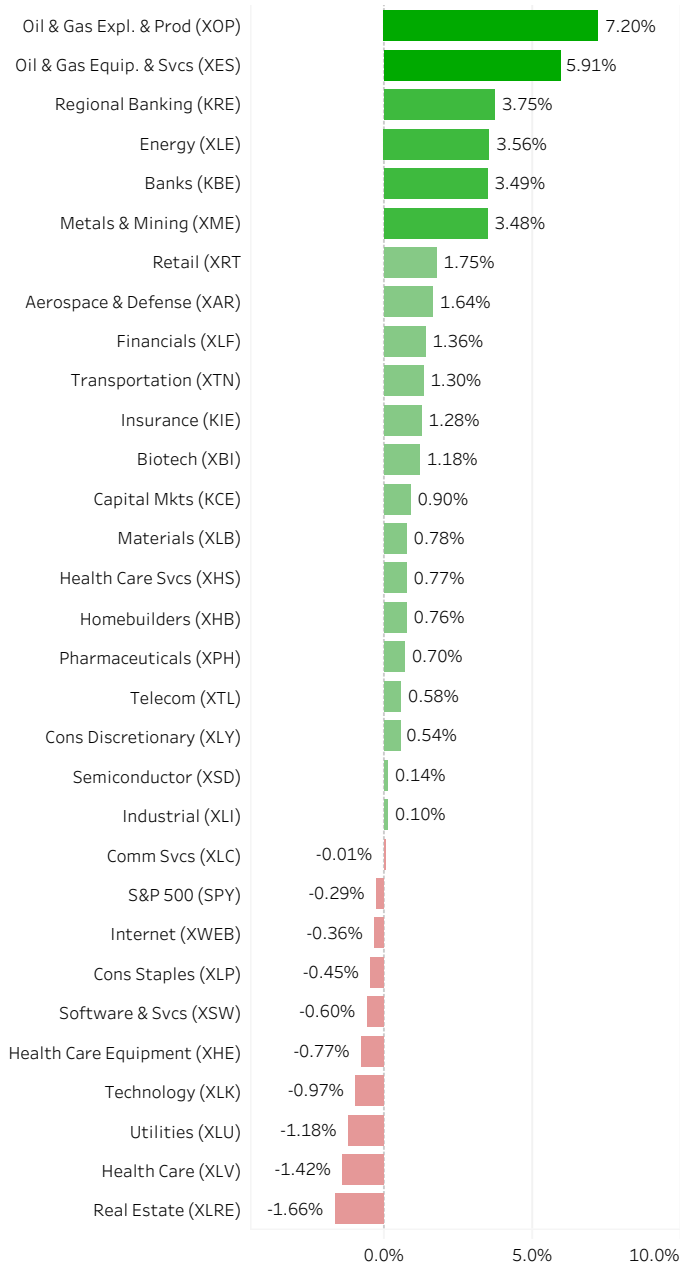
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$4.91B	\$1.38B	\$0.01B	\$10.02B	\$69.50B
VOO	Vanguard S&P 500 ETF	\$2.26B	\$14.89B	\$23.94B	\$39.44B	\$256.50B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.58B	(\$1.11B)	(\$0.50B)	\$0.15B	\$29.23B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.43B	(\$0.56B)	(\$0.42B)	\$0.52B	\$15.53B
VTV	Vanguard Value ETF	\$0.43B	\$2.03B	\$8.03B	\$15.22B	\$83.99B
SCHD	Schwab US Dividend Equity ETF	\$0.21B	\$2.01B	\$5.95B	\$10.17B	\$27.84B
IJH	iShares Core S&P Mid-Cap ETF	\$0.20B	\$0.05B	\$0.25B	\$0.41B	\$63.28B
IWB	iShares Russell 1000 ETF	\$0.17B	\$0.10B	\$0.63B	(\$0.20B)	\$30.77B
IWO	iShares Russell 2000 Growth ETF	\$0.12B	\$0.22B	\$0.02B	(\$0.22B)	\$12.23B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.12B	\$1.55B	\$2.59B	\$5.60B	\$42.75B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$1.79B)	\$4.66B	\$8.46B	\$15.22B	\$301.25B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	(\$0.76B)	\$0.49B	\$0.88B	\$1.26B	\$9.07B
VUG	Vanguard Growth ETF	(\$0.68B)	\$1.81B	\$3.45B	\$4.00B	\$85.47B
VO	Vanguard Mid-Cap ETF	(\$0.47B)	\$1.55B	\$2.65B	\$4.69B	\$52.93B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.45B)	\$1.68B	\$1.71B	(\$1.14B)	\$23.89B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.42B)	(\$0.24B)	\$1.72B	\$5.74B	\$15.57B
VB	Vanguard Small-Cap ETF	(\$0.38B)	\$0.98B	\$2.42B	\$5.99B	\$47.88B
PKW	Invesco Buyback Achievers ETF	(\$0.37B)	(\$0.59B)	(\$0.35B)	\$0.35B	\$1.43B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.32B)	(\$0.69B)	(\$0.75B)	(\$0.35B)	\$20.64B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.21B)	\$0.15B	\$0.07B	\$0.34B	\$11.89B

* 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	0.00%	30.02%	2.15%	7.21%	60.58
XLF	Financial Select Sector SPDR Fund	-0.67%	64.08%	2.94%	10.43%	60.27
SPY	SPDR S&P 500 ETF Trust	-2.33%	35.55%	-0.26%	7.22%	47.97
XLK	Technology Select Sector SPDR Fund	-2.82%	39.99%	-0.22%	9.60%	47.00
XLP	Consumer Staples Select Sector SPDR Fund	-3.66%	12.91%	-1.91%	1.96%	36.90
XLC	Communication Services Select Sector SPDR Fund	-4.20%	40.35%	-1.02%	7.32%	44.01
XLI	Industrial Select Sector SPDR Fund	-4.34%	34.83%	-2.00%	2.48%	45.11
XLV	Health Care Select Sector SPDR Fund	-4.93%	27.98%	-2.49%	5.84%	34.47
XLE	Energy Select Sector SPDR Fund	-6.19%	90.22%	7.99%	8.26%	65.30
XLRE	Real Estate Select Sector SPDR Fund	-7.35%	32.87%	-3.58%	7.37%	32.10
XLB	Materials Select Sector SPDR Fund	-7.87%	31.90%	-2.31%	1.35%	43.48
XLU	Utilities Select Sector SPDR Fund	-8.13%	10.30%	-4.74%	-0.49%	25.30

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	7.82%
PXI	Invesco DWA Energy Momentum ETF	7.65%
FCG	First Trust Natural Gas ETF	7.49%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	7.20%
PXE	Invesco Dynamic Energy Exploration & Production ..	6.28%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	5.91%
IEZ	iShares U.S. Oil Equipment & Services ETF	4.89%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	4.88%
FXN	First Trust Energy AlphaDEX Fund	4.85%
RYE	Invesco S&P 500 Equal Weight Energy ETF	4.48%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FCG	First Trust Natural Gas ETF	72.92
PXI	Invesco DWA Energy Momentum ETF	72.28
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	71.57
PXE	Invesco Dynamic Energy Exploration & Production ETF	71.37
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	70.73
PSCE	Invesco S&P SmallCap Energy ETF	69.72
FXN	First Trust Energy AlphaDEX Fund	69.27
RYE	Invesco S&P 500 Equal Weight Energy ETF	68.40
VDE	Vanguard Energy ETF	68.20
PEJ	Invesco Dynamic Leisure & Entertainment ETF	68.01

Sector & Industry 1 Day Performance Laggards

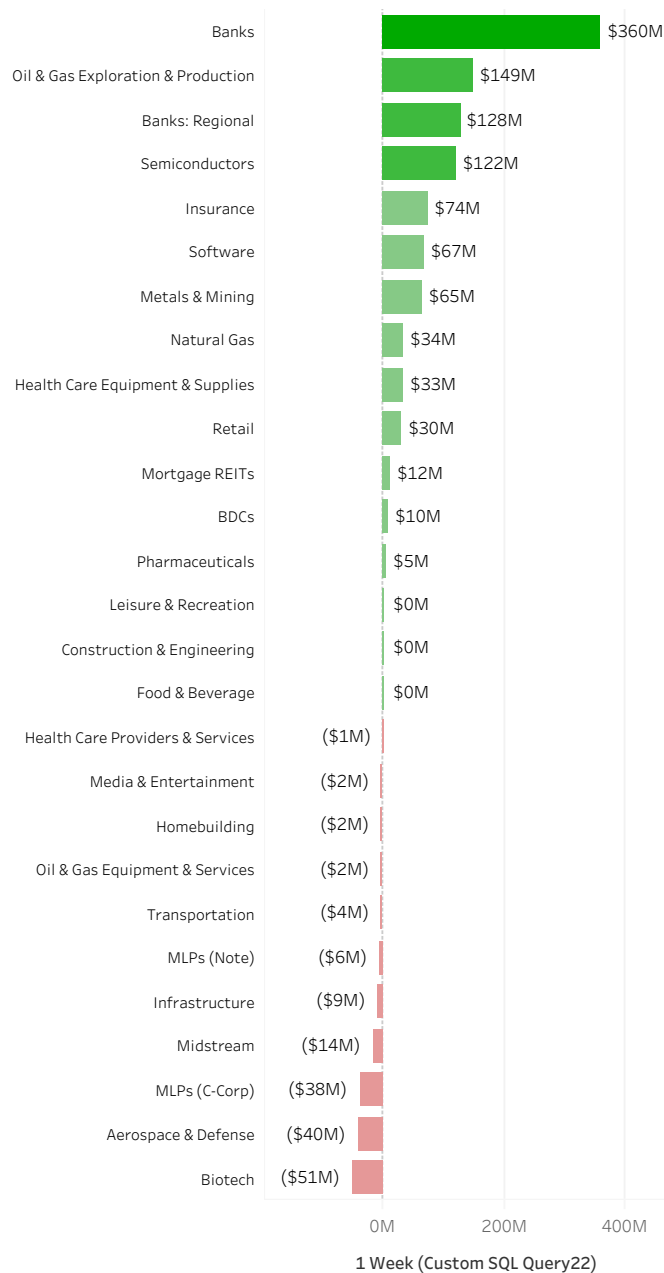
Ticker	Fund	1 Day Performance
IHI	iShares U.S. Medical Devices ETF	-2.09%
FXH	First Trust Health Care AlphaDEX Fund	-2.00%
ICF	iShares Cohen & Steers REIT ETF	-1.82%
IBB	iShares Biotechnology ETF	-1.75%
IGV	iShares Expanded Tech-Software Sector ETF	-1.68%
PSR	Invesco Active U.S. Real Estate Fund	-1.67%
XLRE	Real Estate Select Sector SPDR Fund	-1.66%
PTF	Invesco DWA Technology Momentum ETF	-1.63%
REZ	iShares Residential and Multisector Real Estate ETF	-1.60%
RYH	Invesco S&P 500 Equal Weight Health Care ETF	-1.56%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RYU	Invesco S&P 500 Equal Weight Utilities ETF	24.91
XLU	Utilities Select Sector SPDR Fund	25.30
FUTY	Fidelity MSCI Utilities Index ETF	25.57
IDU	iShares U.S. Utilities ETF	25.63
FXU	First Trust Utilities AlphaDEX Fund	25.96
VPU	Vanguard Utilities ETF	26.60
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	29.74
PSR	Invesco Active U.S. Real Estate Fund	30.82
REZ	iShares Residential and Multisector Real Estate ETF	30.93
ICF	iShares Cohen & Steers REIT ETF	31.02

* 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	\$22B	\$4M	\$1,912M	\$2,058M	\$2,635M
Consumer Discretionary	13	\$34B	\$11M	(\$203M)	\$130M	\$3,255M
Consumer Staples	12	\$21B	(\$565M)	\$310M	\$832M	(\$3,195M)
Energy	34	\$49B	\$348M	(\$2,003M)	\$19M	\$10,709M
Financials	28	\$78B	\$1,689M	(\$2,403M)	\$2,357M	\$21,970M
Health Care	25	\$92B	(\$203M)	\$4,578M	\$4,840M	\$4,385M
Industrial	14	\$35B	\$335M	(\$3,146M)	(\$2,867M)	\$3,712M
Materials	10	\$16B	\$16M	(\$1,905M)	\$1,954M	\$5,827M
Multi-Sector	16	\$25B	(\$14M)	\$391M	\$1,680M	\$3,216M
Real Estate	21	\$74B	(\$3M)	\$3,112M	\$8,162M	\$13,215M
Technology	24	\$143B	(\$108M)	\$2,745M	\$2,408M	\$2,280M
Utilities	10	\$20B	(\$154M)	\$963M	\$544M	\$276M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$1,052M	(\$2,083M)	(\$889M)	\$12,008M	\$41,308M
XLI	Industrial Select Sector SPDR Fund	\$417M	(\$1,689M)	(\$2,392M)	\$1,494M	\$17,739M
KBWB	Invesco KBW Bank ETF	\$210M	\$609M	\$671M	\$1,496M	\$3,019M
XLE	Energy Select Sector SPDR Fund	\$181M	(\$442M)	\$873M	\$8,075M	\$23,933M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$152M	(\$502M)	(\$579M)	(\$132M)	\$3,600M
KBE	SPDR S&P Bank ETF	\$150M	(\$242M)	(\$561M)	\$725M	\$3,146M
KRE	SPDR S&P Regional Banking ETF	\$131M	(\$403M)	\$222M	\$2,545M	\$4,720M
RWR	SPDR Dow Jones REIT ETF	\$98M	(\$76M)	\$160M	\$198M	\$1,873M
SOXX	iShares Semiconductor ETF	\$95M	\$465M	\$305M	\$1,649M	\$7,539M
IGV	iShares Expanded Tech-Software Sector ETF	\$82M	\$452M	(\$321M)	(\$1,118M)	\$5,852M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$561M)	\$109M	\$727M	(\$2,638M)	\$12,181M
XLV	Health Care Select Sector SPDR Fund	(\$218M)	\$3,359M	\$4,537M	\$3,096M	\$32,473M
IYR	iShares U.S. Real Estate ETF	(\$197M)	\$291M	\$2,188M	\$2,753M	\$7,569M
XLU	Utilities Select Sector SPDR Fund	(\$163M)	\$757M	\$147M	(\$85M)	\$12,439M
XBI	SPDR S&P BIOTECH ETF	(\$94M)	\$10M	\$337M	\$1,235M	\$7,437M
XLK	Technology Select Sector SPDR Fund	(\$84M)	(\$33M)	(\$175M)	(\$778M)	\$44,874M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	(\$54M)	(\$140M)	(\$224M)	\$312M	\$692M
AMPLP	Alerian MLP ETF	(\$46M)	(\$198M)	(\$345M)	(\$48M)	\$4,971M
ITA	iShares U.S. Aerospace & Defense ETF	(\$36M)	(\$196M)	(\$351M)	(\$735M)	\$2,648M
XLB	Materials Select Sector SPDR Fund	(\$28M)	(\$1,583M)	\$772M	\$2,533M	\$7,659M

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

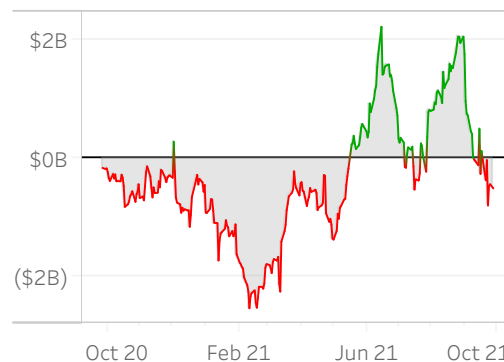
Communication Services



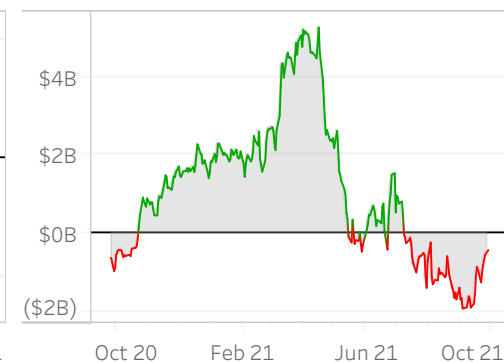
Consumer Discretionary



Consumer Staples



Energy



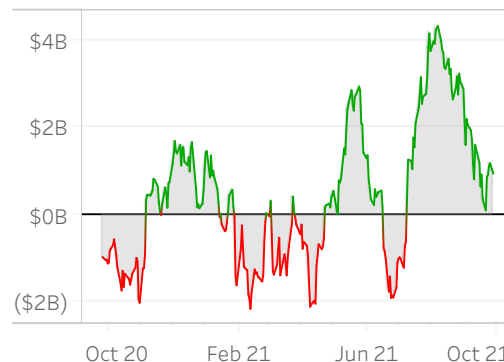
Financials



Industrial



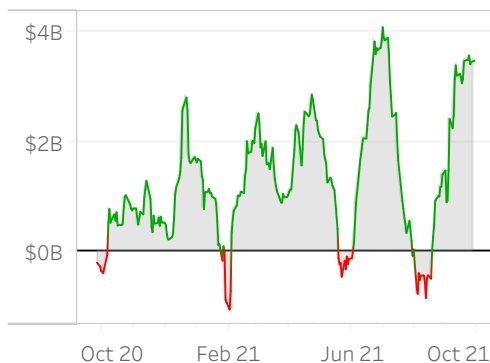
Health Care



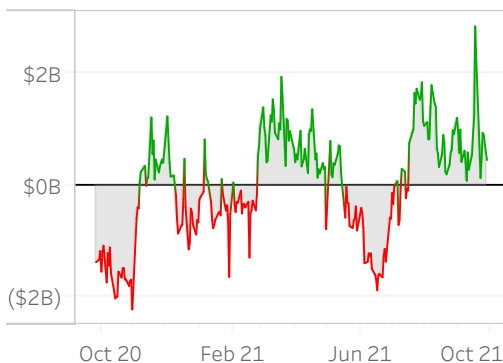
Materials



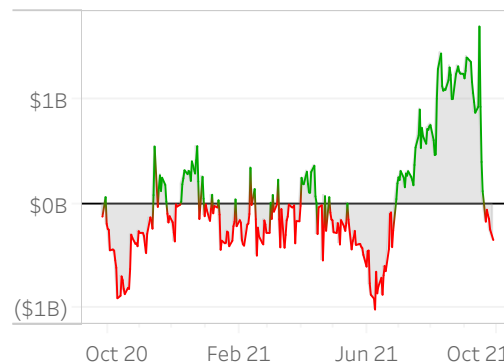
Real Estate



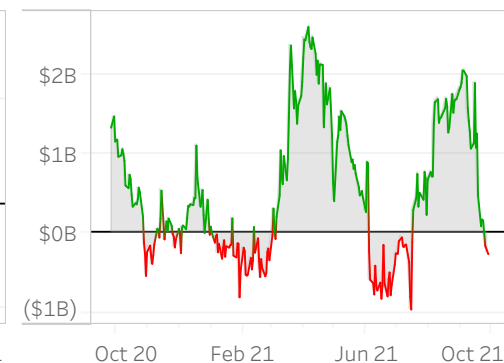
Technology



Utilities

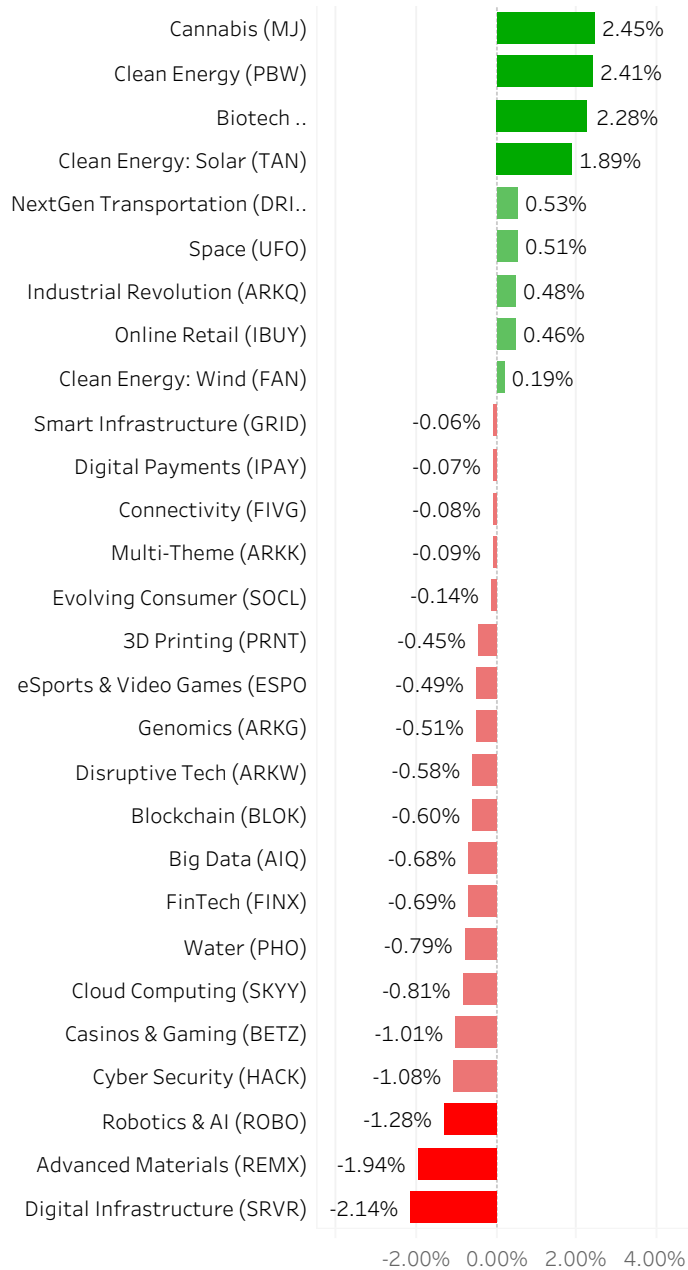


Multi-Sector

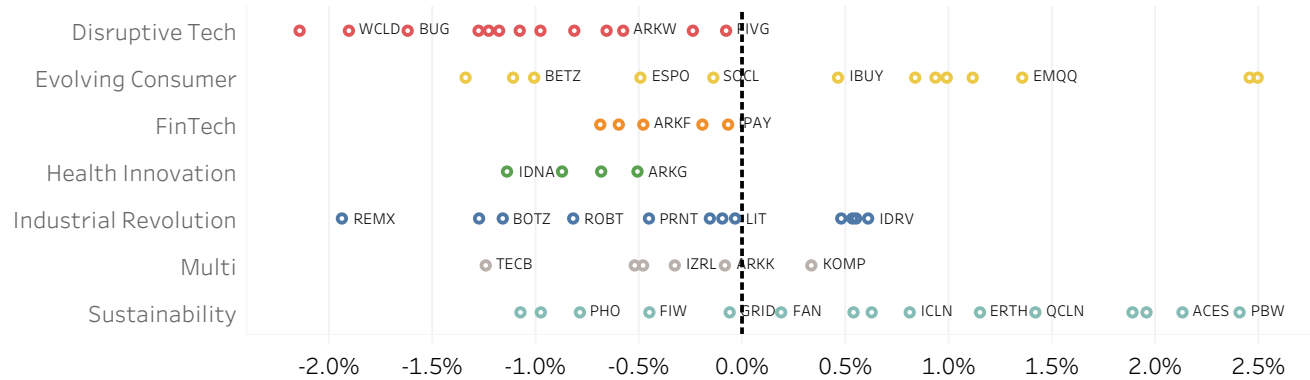


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
POTX	Global X Cannabis ETF	3.73%
KWEB	KraneShares CSI China Internet ETF	2.49%
MJ	ETFMG Alternative Harvest ETF	2.45%
PBW	Invesco WilderHill Clean Energy ETF	2.41%
SBIO	ALPS Medical Breakthroughs ETF	2.28%
ACES	ALPS Clean Energy ETF	2.13%
HAIL	SPDR S&P Kensho Smart Mobility ETF	2.05%
CNRG	SPDR S&P Kensho Clean Power ETF	1.96%
TAN	Invesco Solar ETF	1.89%
THCX	Cannabis ETF	1.66%

Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	70.13
EVX	VanEck Environmental Services ETF	60.46
QTUM	Defiance Quantum ETF	59.02
SBIO	ALPS Medical Breakthroughs ETF	56.50
HAIL	SPDR S&P Kensho Smart Mobility ETF	56.43
BOTZ	Global X Robotics & Artificial Intelligence ETF	54.52
BETZ	Roundhill Sports Betting & iGaming ETF	54.39
MILN	Global X Millennial Consumer ETF	54.02
IPAY	ETFMG Prime Mobile Payments ETF	53.27
CLOU	Global X Cloud Computing ETF	53.18

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-2.24%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCT..	-2.14%
REMX	VanEck Rare Earth/Strategic Metals ETF	-1.94%
WCLD	WisdomTree Cloud Computing Fund	-1.91%
GERM	ETFMG Treatments Testing and Advancements ETF	-1.80%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	-1.64%
BUG	Global X Cybersecurity ETF	-1.62%
ENTR	ERShares Entrepreneurs ETF	-1.53%
IVES	Wedbush ETFMG Global Cloud Technology ETF	-1.49%
PAWZ	ProShares Pet Care ETF	-1.34%

Thematic Most Oversold

Ticker	Fund	Price
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	31.36
HERO	Global X Video Games & Esports ETF	33.02
PIO	Invesco Global Water ETF	33.83
VPN	Global X Data Center REITs & Digital Infrastructure ETF	34.64
EBLU	Ecofin Global Water ESG Fund	35.14
ARKG	ARK Genomic Revolution ETF	36.42
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	36.91
AGNG	Global X Aging Population ETF	37.05
GAMR	Wedbush ETFMG Video Game Tech ETF	37.07
KEMQ	KraneShares Emerging Markets Consumer Technology In..	38.06

* 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	
MSOS	AdvisorShares Pure US Cannabis ETF	\$58M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$51M
LIT	Global X Lithium & Battery Tech ETF	\$29M
TAN	Invesco Solar ETF	\$20M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$19M
ARKK	ARK Innovation ETF	\$16M
AWAY	ETFMG Travel Tech ETF	\$16M
BUG	Global X Cybersecurity ETF	\$14M
ACES	ALPS Clean Energy ETF	\$13M
ICLN	iShares Global Clean Energy ETF	\$13M

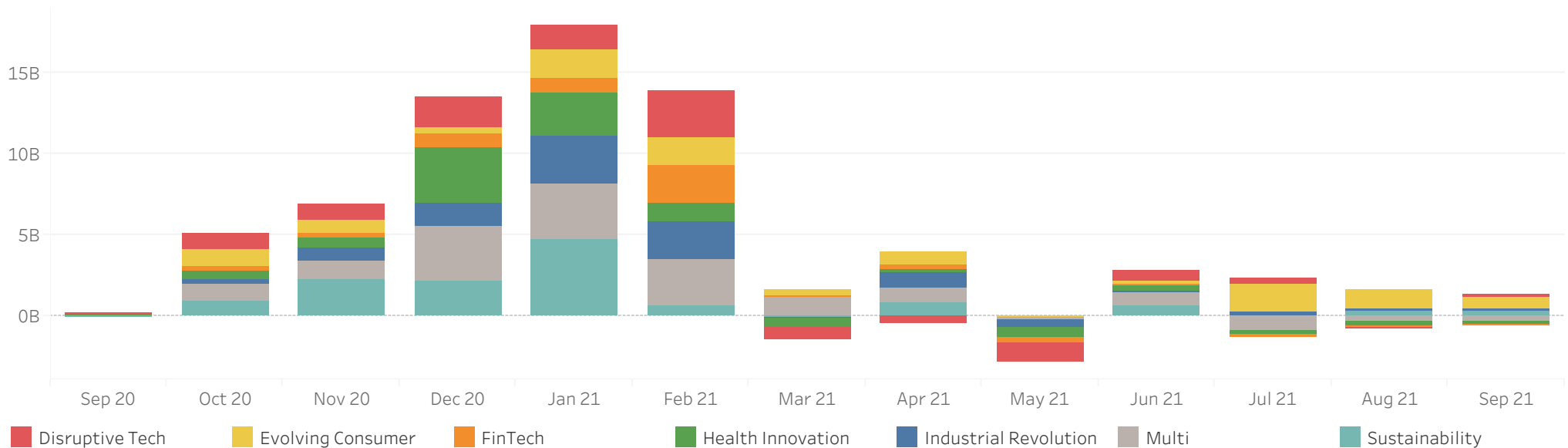
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$140M)
ARKG	ARK Genomic Revolution ETF	(\$123M)
ONLN	ProShares Online Retail ETF	(\$62M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$59M)
ARKF	ARK Fintech Innovation ETF	(\$54M)
ARKW	ARK Next Generation Internet ETF	(\$50M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$33M)
PAWZ	ProShares Pet Care ETF	(\$16M)
ARKX	ARK Space Exploration & Innovation ETF	(\$13M)
BLOK	Amplify Transformational Data Sharing ETF	(\$9M)

Thematic Landscape Assets & Flows

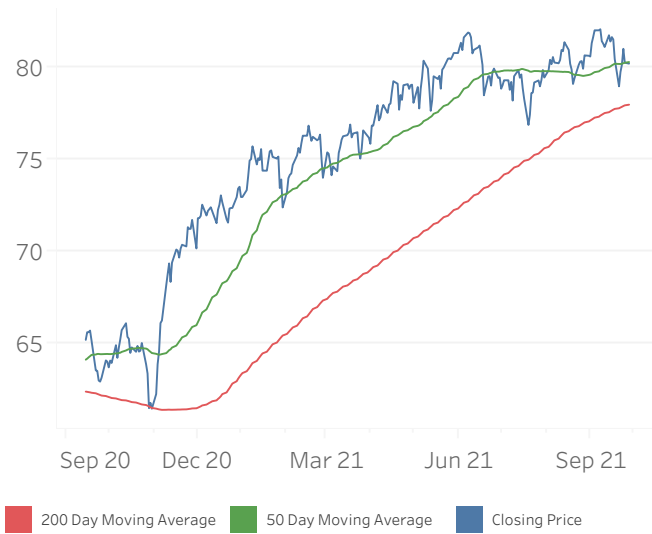
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$29B	\$74M	\$633M	(\$514M)	\$7,048M
Evolving Consumer	38	\$17B	(\$169M)	\$3,613M	\$4,703M	\$10,730M
FinTech	14	\$8B	(\$45M)	(\$208M)	(\$202M)	\$4,708M
Health Innovation	14	\$10B	(\$82M)	(\$481M)	(\$855M)	\$7,133M
Industrial Revolution	22	\$17B	(\$12M)	\$593M	\$1,171M	\$8,535M
Multi	28	\$30B	(\$218M)	(\$1,272M)	(\$173M)	\$13,058M
Sustainability	33	\$22B	\$51M	\$754M	\$2,189M	\$12,862M
Grand Total	178	\$133B	(\$402M)	\$3,633M	\$6,320M	\$64,074M

Thematic Monthly Flows

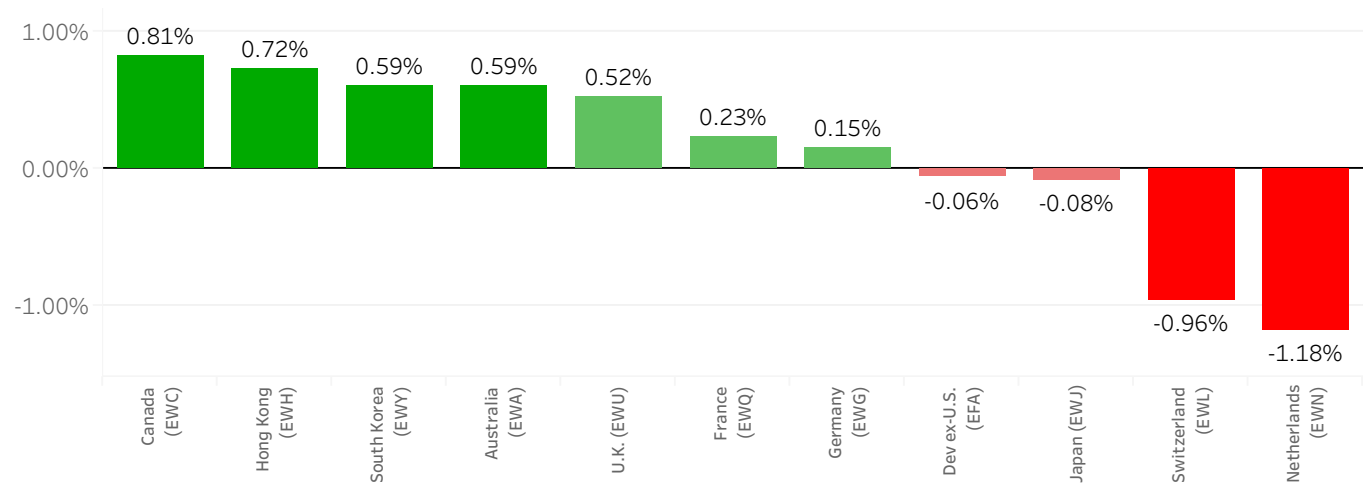


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

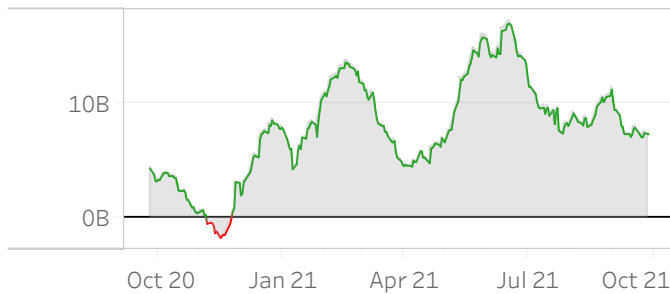
Developed ex-U.S. (EFA)



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



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



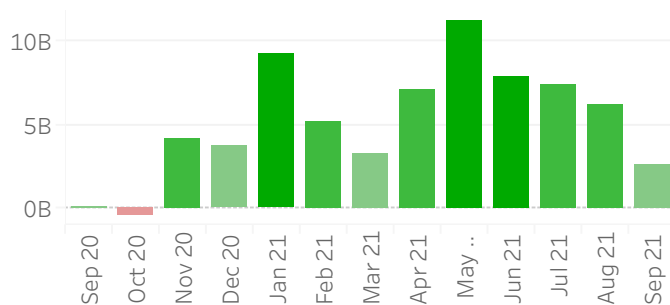
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FIDI	Fidelity International High Dividend ETF	2.21%
EWS	iShares MSCI Singapore ETF	1.88%
AIA	iShares Asia 50 ETF	1.48%
EWP	iShares MSCI Spain ETF	1.30%
DTH	WisdomTree International High Dividend Fund	1.25%
IVLU	iShares MSCI Intl Value Factor ETF	1.12%
EFV	iShares MSCI EAFE Value ETF	1.05%
IDV	iShares International Select Dividend ETF	1.05%
IDOG	ALPS International Sector Dividend Dogs ETF	1.04%
EWO	iShares MSCI Austria ETF	1.01%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	65.39
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	64.08
HEWJ	iShares Currency Hedged MSCI Japan ETF	64.06
EIS	iShares MSCI Israel ETF	61.39
EWJ	iShares MSCI Japan ETF	58.32
JPXN	iShares JPX-Nikkei 400 ETF	58.32
FLJP	Franklin FTSE Japan ETF	58.18
BBJP	JPMorgan BetaBuilders Japan ETF	58.16
EWO	iShares MSCI Austria ETF	55.18
ISRA	VanEck Israel ETF	55.18

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
PIZ	Invesco DWA Developed Markets Momentum ETF	-2.52%
IMOM	Alpha Architect International Quantitative Momentum ETF	-2.36%
EDEN	iShares MSCI Denmark ETF	-1.76%
IDHQ	Invesco S&P International Developed High Quality ETF	-1.67%
FSZ	First Trust Switzerland AlphaDEX Fund	-1.66%
EIRL	iShares MSCI Ireland ETF	-1.37%
RFDI	First Trust Riverfront Dynamic Developed International E..	-1.20%
EWN	iShares MSCI Netherlands ETF	-1.18%
EFG	iShares MSCI EAFE Growth ETF	-1.11%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-1.11%

Developed ex-U.S. Most Oversold

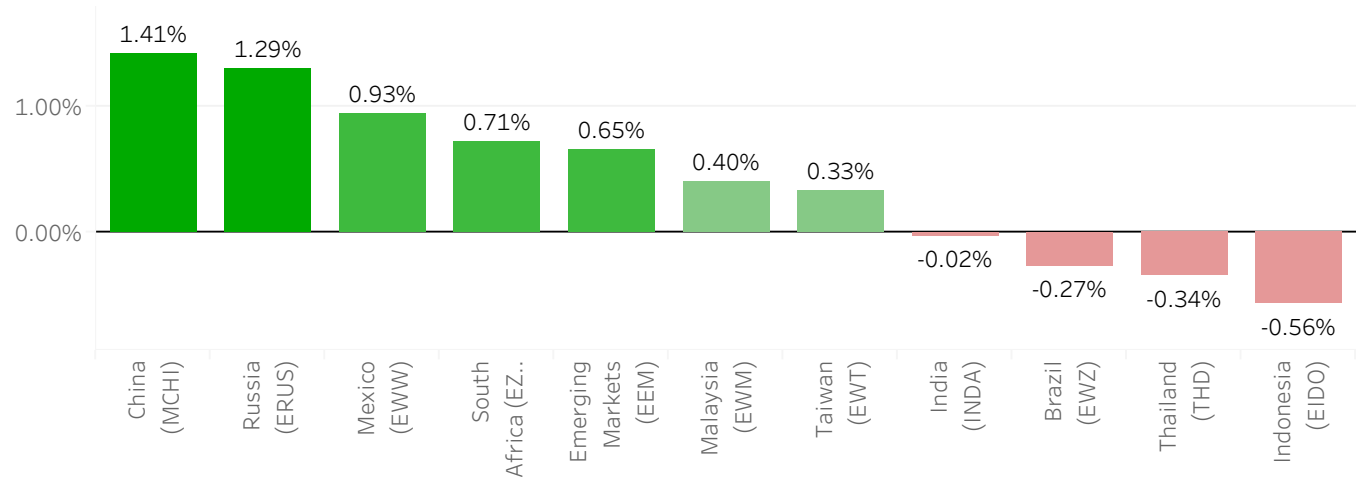
Ticker	Fund	Value
EWL	iShares MSCI Switzerland ETF	30.40
EWH	iShares MSCI Hong Kong ETF	31.18
EUDG	WisdomTree Europe Quality Dividend Growth Fund	32.54
RFDI	First Trust Riverfront Dynamic Developed Internatio..	33.92
IQDG	WisdomTree International Quality Dividend Growth ..	34.53
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	34.66
IHDG	WisdomTree International Hedged Quality Dividend ..	34.75
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	34.99
DOO	WisdomTree International Dividend ex-Financials Fu..	35.65
IDLV	Invesco S&P International Developed Low Volatility ..	36.05

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

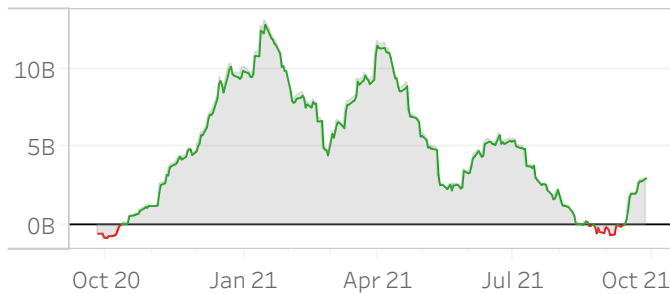
Emerging (EEM)



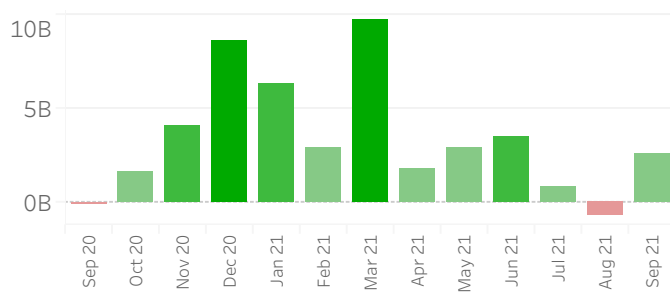
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	2.08%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.89%
FXI	iShares China Large-Cap ETF	1.44%
MCHI	iShares MSCI China ETF	1.41%
TUR	iShares MSCI Turkey ETF	1.38%
EPU	iShares MSCI Peru ETF	1.35%
RSX	VanEck Russia ETF	1.33%
ERUS	iShares MSCI Russia ETF	1.29%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.27%
FLCH	Franklin FTSE China ETF	1.26%

Emerging Most Overbought

Ticker	Fund	Value
INDY	iShares India 50 ETF	69.75
QAT	iShares MSCI Qatar ETF	67.63
INDA	iShares MSCI India ETF	65.95
SMIN	iShares MSCI India Small Cap ETF	65.43
ERUS	iShares MSCI Russia ETF	63.66
EPI	WisdomTree India Earnings Fund	63.11
NFTY	First Trust India NIFTY 50 Equal Weight ETF	61.12
PIN	Invesco India ETF	60.60
RSX	VanEck Russia ETF	59.65
KSA	iShares MSCI Saudi Arabia ETF	58.50

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-1.07%
EPHE	iShares MSCI Philippines ETF	-0.96%
GLIN	VanEck India Growth Leaders ETF	-0.88%
PIE	Invesco DWA Emerging Markets Momentum ETF	-0.80%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.70%
EIDO	iShares MSCI Indonesia ETF	-0.56%
ECNS	iShares MSCI China Small-Cap ETF	-0.50%
PIN	Invesco India ETF	-0.45%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.42%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.41%

Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	31.77
EYLD	Cambria Emerging Shareholder Yield ETF	34.43
ECNS	iShares MSCI China Small-Cap ETF	37.37
DGRE	WisdomTree Emerging Markets Quality Dividend Gr..	38.33
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	38.53
BICK	First Trust BICK Index Fund	38.81
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	39.08
AFK	VanEck Africa Index ETF	39.19
VNM	VanEck Vietnam ETF	39.41
FEM	First Trust Emerging Markets AlphaDEX Fund	39.67

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

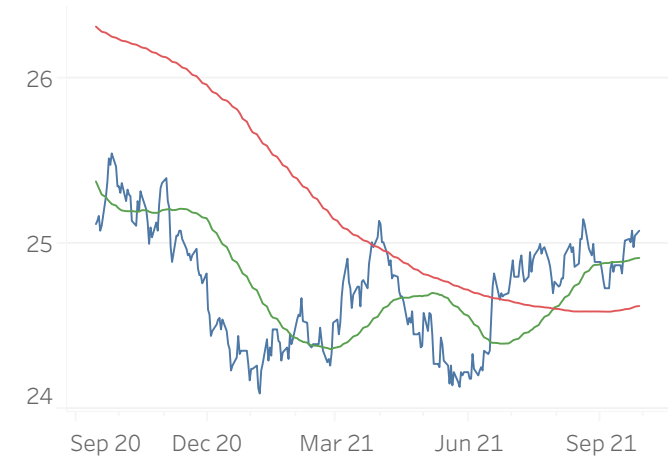
Fixed Income (AGG)



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	-0.14%	-0.59%	-1.31%
SHY	1-3 Year Treasury Bonds	-0.01%	-0.16%	-0.18%
IEF	7-10 Year Treasury Bonds	-0.27%	-1.43%	-3.29%
TLT	20+ Year Treasury Bonds	-0.37%	-1.94%	-6.23%
TIP	TIPS Bonds	0.05%	-0.94%	3.35%
FLOT	Floating Rate Bonds	0.04%	0.03%	0.44%
LQD	Investment Grade Corporate	-0.05%	-0.22%	-0.88%
HYG	High Yield Corporate	-0.09%	0.16%	3.35%
BKLN	Senior Loan	-0.09%	0.34%	1.67%
PFF	Preferred & Income Securities	-0.33%	-0.76%	4.38%
MUB	Municipal Bonds	-0.11%	-0.41%	0.68%
MBB	MBS	-0.08%	-0.40%	-0.84%
EMB	Dollar Denominated EM Bonds	-0.30%	-1.86%	-2.14%
LEMB	Local Currency EM Bond	-0.14%	-1.66%	-5.66%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	2.40%	5.64%	34.20%
DBE	Energy	2.00%	8.98%	55.73%
USO	WTI Crude Oil	2.10%	9.89%	60.28%
BNO	Brent Crude Oil	2.01%	10.90%	61.18%
UNG	Natural Gas	12.33%	32.40%	120.76%
UGA	Gasoline	1.58%	4.32%	56.11%
DBP	Precious Metals	0.38%	-4.44%	-10.65%
GLD	Gold	0.21%	-3.85%	-8.25%
SLV	Silver	1.11%	-6.22%	-14.77%
PPLT	Platinum	0.19%	-2.98%	-9.15%
PALL	Palladium	0.10%	-18.97%	-20.44%
DBB	Base Metals	0.00%	3.69%	23.87%
CPER	Copper	-0.04%	-1.52%	20.42%
LD	Lead	0.10%	-5.90%	8.62%
JJN	Nickel	-1.53%	-2.23%	11.53%
JJU	Aluminum	-0.89%	9.13%	43.79%
JJT	Tin	-4.71%	5.88%	96.00%
DBA	Agriculture	0.74%	-1.97%	17.35%
CORN	Corn	2.53%	-1.65%	29.85%
SOYB	Soybeans	0.20%	-1.82%	15.10%
WEAT	Wheat	0.00%	-1.12%	13.73%
CANE	Sugar	-1.27%	-3.82%	38.07%
BAL	Cotton	2.21%	3.56%	20.41%
NIB	Cocoa	-1.61%	-0.99%	-3.72%
JO	Coffee	0.45%	2.07%	43.89%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.12%	0.76%	3.47%
UDN	Short Dollar	-0.07%	-0.83%	-4.39%
FXE	Euro	-0.18%	-0.96%	-4.98%
FXB	British Pound Sterling	0.24%	-0.45%	-0.08%
FXF	Swiss Franc	-0.07%	-1.62%	-5.23%
FXJ	Japanese Yen	-0.24%	-1.21%	-7.46%
FXC	Canadian Dollar	0.28%	-0.15%	0.45%
FXA	Australian Dollar	0.49%	-0.34%	-5.74%

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

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