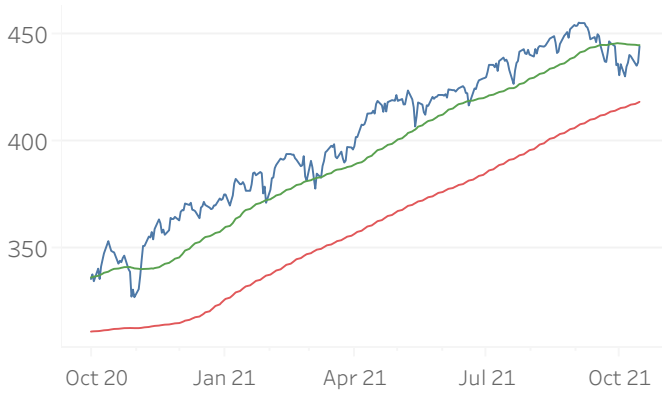
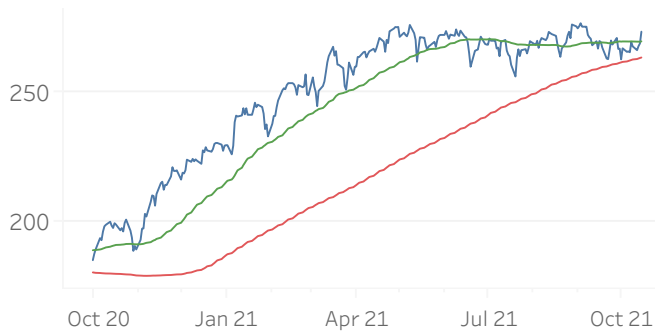


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

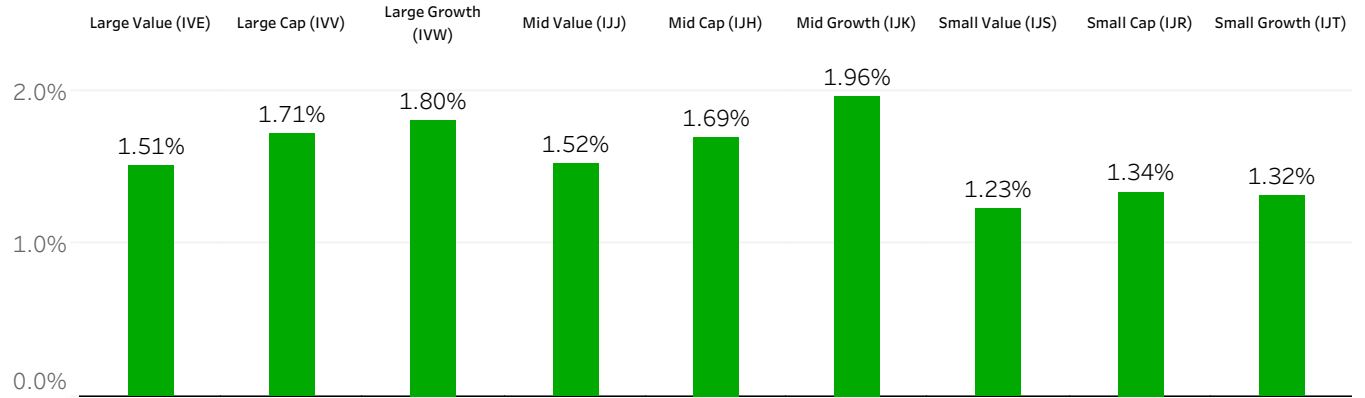


Small Cap Blend (S&P 600) IJR



■ 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	Performance
CSD	Invesco S&P Spin-Off ETF	2.41%
QQH	HCM Defender 100 Index ETF	2.41%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	2.39%
LGH	HCM Defender 500 Index ETF	2.38%
RDVY	First Trust Rising Dividend Achievers ETF	2.13%
VEGN	US Vegan Climate ETF	2.11%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	2.10%
NUMG	Nuveen ESG Mid-Cap Growth ETF	2.03%
XMHQ	Invesco S&P MidCap Quality ETF	2.02%
NUMV	Nuveen ESG Mid-Cap Value ETF	2.01%

Size & Style Most Overbought

Ticker	Fund	Price
DIV	Global X SuperDividend US ETF	65.50
RYJ	Invesco Raymond James SB-1 Equity ETF	64.67
NUMV	Nuveen ESG Mid-Cap Value ETF	63.96
OSCV	Opus Small Cap Value ETF	63.69
FNK	First Trust Mid Cap Value AlphaDEX Fund	62.37
RZV	Invesco S&P Smallcap 600 Pure Value ETF	62.37
FYT	First Trust Small Cap Value AlphaDEX Fund	62.27
AVUV	Avantis U.S. Small Cap Value ETF	61.57
DON	WisdomTree U.S. MidCap Dividend Fund	61.55
PWV	Invesco Dynamic Large Cap Value ETF	61.55

Size & Style 1-Day Performance Laggards

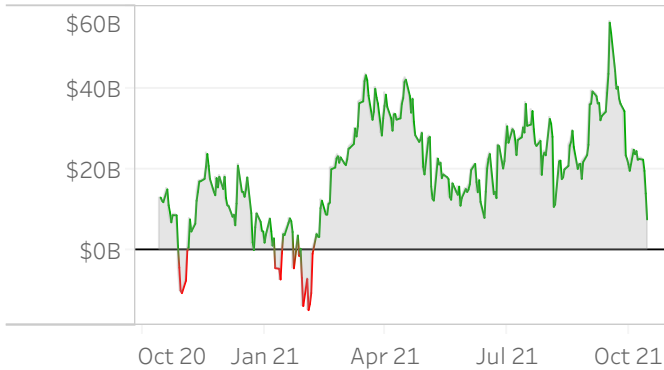
Ticker	Fund	Performance
IWC	iShares Micro-Cap ETF	0.68%
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.72%
DES	WisdomTree U.S. SmallCap Dividend Fund	0.76%
DEEP	Roundhill Acquirers Deep Value ETF	0.76%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	0.78%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.82%
XSMO	Invesco S&P SmallCap Momentum ETF	0.84%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.89%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	0.90%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	0.90%

Size & Style Most Oversold

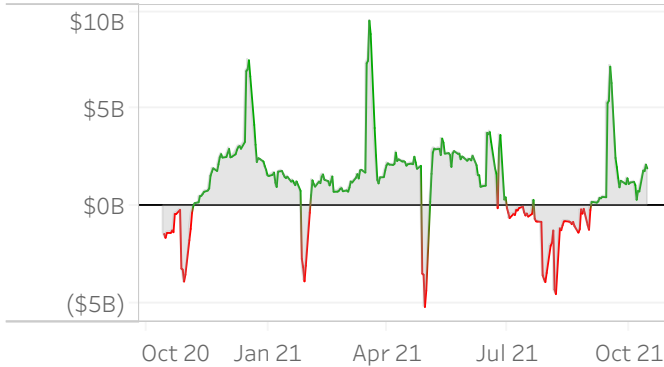
Ticker	Fund	Price
JSML	Janus Henderson Small Cap Growth Alpha ETF	49.34
PWB	Invesco Dynamic Large Cap Growth ETF	49.35
HKND	Humankind US Stock ETF	50.07
SPGP	Invesco S&P 500 GARP ETF	50.26
MFMS	Motley Fool Small-Cap Growth ETF	50.82
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	50.90
PWC	Invesco Dynamic Market ETF	51.32
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	51.33
QGRO	American Century STOXX U.S. Quality Growth ETF	51.45
QQH	HCM Defender 100 Index ETF	51.46

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

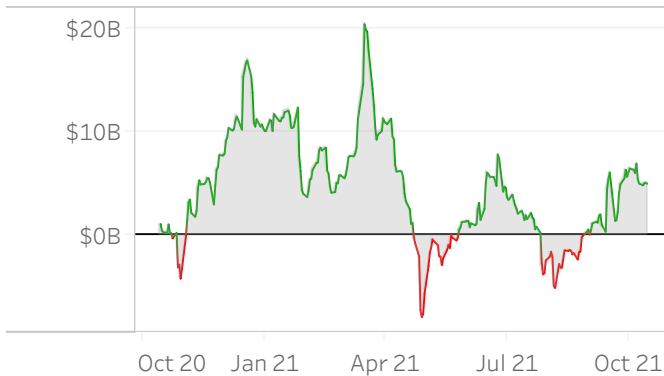
Large-Cap 30-Day Rolling Flows



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	\$1,240B	\$1.48B	\$24.69B	\$48.91B	\$84.34B
Mid Cap, Beta, Beta	10	\$185B	\$0.47B	\$0.77B	\$2.54B	\$9.31B
Small Cap, Beta, Beta: Value	7	\$58B	\$0.45B	\$0.74B	\$1.31B	\$10.06B
Large Cap, Beta Growth, Beta: Value	11	\$199B	\$0.41B	\$4.62B	\$12.23B	\$32.69B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.13B	\$0.40B	\$1.59B	\$4.44B
Small Cap, Beta, Beta	12	\$218B	\$0.12B	\$4.33B	\$5.21B	\$24.90B
Large Cap, Beta Growth, Beta: Growth	10	\$252B	\$0.05B	\$4.29B	\$8.14B	\$3.48B
Mid Cap, Beta, Beta: Growth	6	\$40B	\$0.04B	\$0.03B	(\$0.99B)	(\$2.18B)
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.06B)	\$0.11B	(\$0.32B)	\$1.36B

U.S. Size & Style Flow Leaders

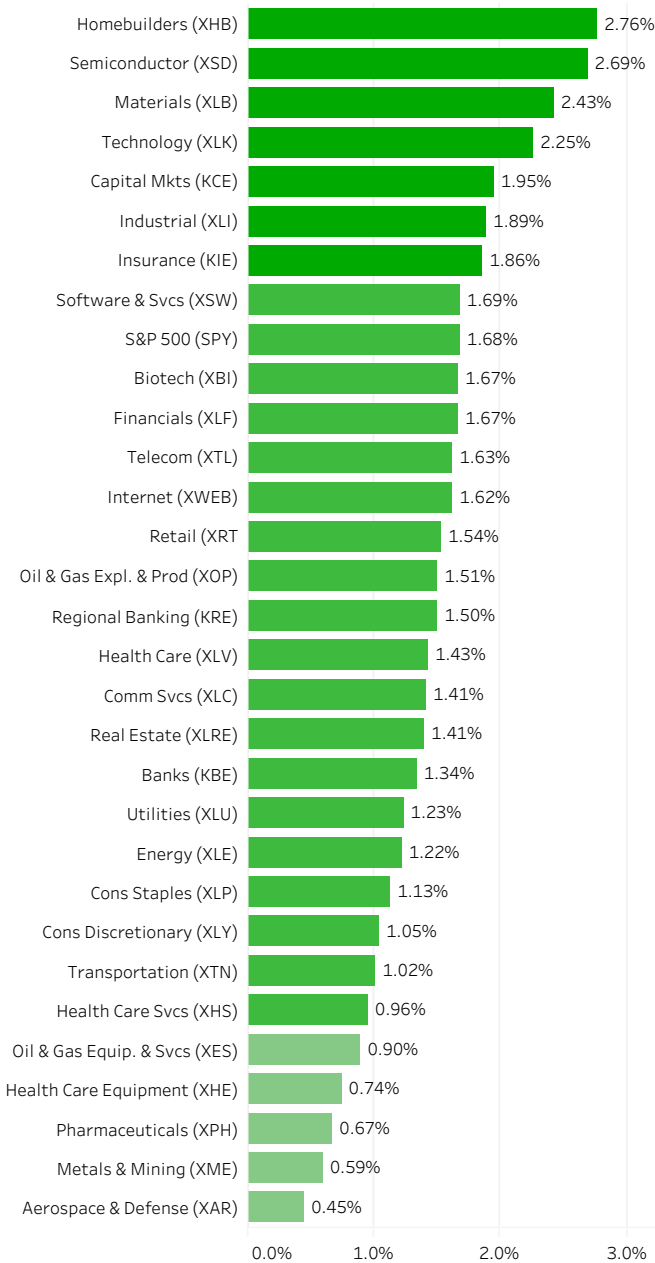
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.81B	\$5.64B	\$9.96B	\$14.18B	\$387.51B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$0.58B	\$0.82B	\$1.15B	\$1.65B	\$9.36B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.36B	(\$0.81B)	(\$0.81B)	\$0.96B	\$29.43B
IWN	iShares Russell 2000 Value ETF	\$0.36B	\$0.33B	(\$0.06B)	\$3.18B	\$16.59B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$0.31B	\$0.56B	\$0.90B	\$1.33B	\$7.78B
PKW	Invesco Buyback Achievers ETF	\$0.25B	(\$0.46B)	(\$0.19B)	\$0.60B	\$1.67B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.24B	(\$0.75B)	(\$0.84B)	(\$0.12B)	\$20.63B
VTI	Vanguard Total Stock Market ETF	\$0.23B	\$9.77B	\$20.16B	\$45.04B	\$267.91B
IWD	iShares Russell 1000 Value ETF	\$0.18B	\$0.52B	\$0.76B	\$5.40B	\$54.39B
QQQ	Invesco QQQ Trust	\$0.18B	\$3.73B	\$6.52B	\$7.92B	\$183.31B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$0.94B)	(\$1.45B)	\$2.11B	\$9.75B	\$290.49B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.38B)	\$0.29B	\$1.23B	(\$1.66B)	\$22.96B
IWM	iShares Russell 2000 ETF	(\$0.20B)	\$1.33B	(\$0.26B)	\$7.02B	\$67.94B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.07B)	(\$0.52B)	(\$2.87B)	(\$11.13B)	\$27.22B
IWO	iShares Russell 2000 Growth ETF	(\$0.04B)	\$0.13B	(\$0.12B)	(\$0.28B)	\$11.89B
CDC	VictoryShares US EQ Income Enhanced Volatil..	(\$0.04B)	\$0.01B	\$0.07B	\$0.15B	\$0.94B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.03B)	(\$0.32B)	(\$0.43B)	(\$0.12B)	\$5.97B
DFAU	Dimensional US Core Equity Market ETF	(\$0.03B)	\$0.23B	\$0.50B	\$1.12B	\$1.22B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.03B)	(\$0.09B)	\$0.32B	\$0.87B	\$15.74B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.03B)	\$0.11B	\$2.00B	\$1.47B	\$13.22B

* 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)
XLE	Energy Select Sector SPDR Fund	0.00%	105.88%	13.40%	14.68%	72.89
XLY	Consumer Discretionary Select Sector SPDR Fund	0.00%	30.21%	2.28%	6.48%	60.45
XLF	Financial Select Sector SPDR Fund	-0.23%	64.89%	2.13%	9.14%	57.81
SPY	SPDR S&P 500 ETF Trust	-2.36%	35.51%	-0.07%	6.13%	54.77
XLP	Consumer Staples Select Sector SPDR Fund	-2.73%	14.01%	-0.45%	2.66%	55.67
XLK	Technology Select Sector SPDR Fund	-3.15%	39.52%	-0.18%	8.15%	54.28
XLI	Industrial Select Sector SPDR Fund	-3.43%	36.12%	-0.25%	2.66%	55.68
XLRE	Real Estate Select Sector SPDR Fund	-5.23%	35.90%	-0.64%	8.28%	54.48
XLB	Materials Select Sector SPDR Fund	-5.39%	35.45%	0.79%	3.38%	61.22
XLU	Utilities Select Sector SPDR Fund	-5.99%	12.87%	-1.93%	1.52%	51.61
XLC	Communication Services Select Sector SPDR Fund	-6.44%	37.06%	-2.72%	3.62%	44.94
XLV	Health Care Select Sector SPDR Fund	-6.95%	25.26%	-3.65%	2.84%	42.69

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	% Change
FTXL	First Trust Nasdaq Semiconductor ETF	3.27%
SOXQ	Invesco PHLX Semiconductor ETF	3.22%
SOXX	iShares Semiconductor ETF	3.10%
PSI	Invesco Dynamic Semiconductors ETF	2.90%
XHB	SPDR S&P Homebuilders ETF	2.76%
ITB	iShares U.S. Home Construction ETF	2.73%
XSD	SPDR S&P Semiconductor ETF	2.69%
PKB	Invesco Dynamic Building & Construction ETF	2.47%
IHF	iShares U.S. Healthcare Providers ETF	2.44%
XLB	Materials Select Sector SPDR Fund	2.43%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXN	First Trust Energy AlphaDEX Fund	77.33
RYE	Invesco S&P 500 Equal Weight Energy ETF	76.04
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	75.80
MLPX	Global X MLP & Energy Infrastructure ETF	74.98
ENFR	Alerian Energy Infrastructure ETF	74.78
IYE	iShares U.S. Energy ETF	74.55
TPYP	Tortoise North American Pipeline Fund	74.20
FTXN	First Trust Nasdaq Oil & Gas ETF	72.92
XLE	Energy Select Sector SPDR Fund	72.89
FENY	Fidelity MSCI Energy Index ETF	72.85

Sector & Industry 1 Day Performance Laggards

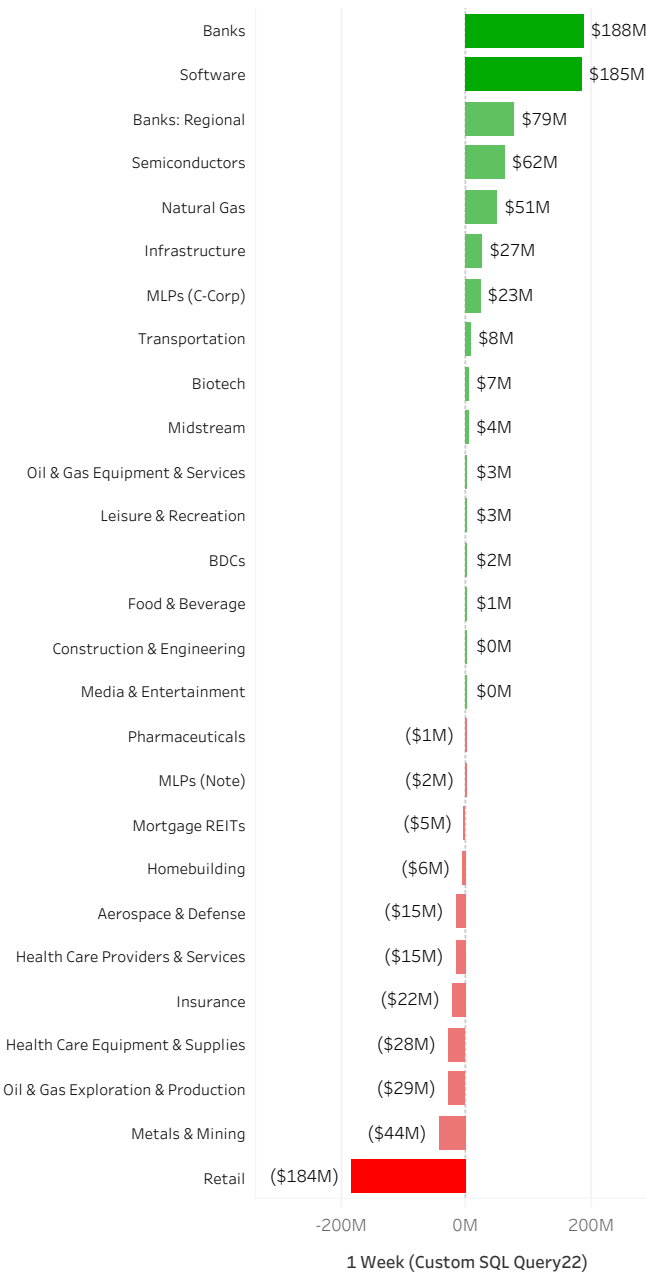
Ticker	Fund	% Change
BIZD	VanEck BDC Income ETF	0.00%
ITA	iShares U.S. Aerospace & Defense ETF	0.06%
MORT	VanEck Mortgage REIT Income ETF	0.36%
REM	iShares Mortgage Real Estate ETF	0.37%
PSCH	Invesco S&P SmallCap Health Care ETF	0.40%
XAR	SPDR S&P Aerospace & Defense ETF	0.45%
KBWD	Invesco KBW High Dividend Yield Financial ETF	0.48%
PPA	Invesco Aerospace & Defense ETF	0.54%
XME	SPDR S&P Metals & Mining ETF	0.59%
PBJ	Invesco Dynamic Food & Beverage ETF	0.61%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	36.76
FXH	First Trust Health Care AlphaDEX Fund	37.12
PTH	Invesco DWA Healthcare Momentum ETF	37.18
IBB	iShares Biotechnology ETF	39.41
PSCH	Invesco S&P SmallCap Health Care ETF	39.58
RYH	Invesco S&P 500 Equal Weight Health Care ETF	40.21
JHMH	John Hancock Multifactor Healthcare ETF	41.38
IYZ	iShares U.S. Telecommunications ETF	42.51
VHT	Vanguard Health Care ETF	42.51
XLV	Health Care Select Sector SPDR Fund	42.69

* 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	(\$276M)	\$1,235M	\$1,672M	\$2,075M
Consumer Discretionary	13	\$33B	(\$297M)	(\$659M)	(\$873M)	\$2,551M
Consumer Staples	12	\$20B	(\$59M)	\$637M	\$1,110M	(\$3,497M)
Energy	34	\$56B	\$709M	\$621M	\$308M	\$12,254M
Financials	28	\$81B	\$662M	\$2,014M	\$3,707M	\$23,955M
Health Care	25	\$85B	\$327M	\$1,133M	\$4,123M	\$2,661M
Industrial	14	\$34B	\$149M	(\$2,502M)	(\$4,106M)	\$2,740M
Materials	10	\$15B	(\$201M)	(\$2,567M)	\$15M	\$4,358M
Multi-Sector	16	\$24B	\$32M	\$479M	\$749M	\$2,924M
Real Estate	21	\$74B	(\$94M)	\$3,671M	\$6,074M	\$12,156M
Technology	24	\$139B	\$593M	\$3,856M	\$4,010M	\$4,323M
Utilities	10	\$19B	(\$17M)	\$791M	\$537M	\$143M

U.S. Sector & Industry Flow Leaders

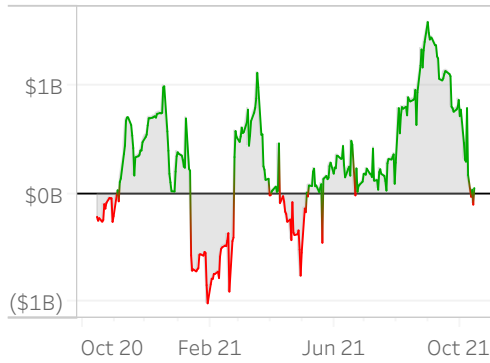
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$570M	\$1,219M	\$864M	\$8,572M	\$27,301M
XLV	Health Care Select Sector SPDR Fund	\$346M	\$103M	\$3,302M	\$1,782M	\$29,490M
XLF	Financial Select Sector SPDR Fund	\$302M	\$974M	\$320M	\$12,037M	\$42,777M
XLK	Technology Select Sector SPDR Fund	\$273M	\$779M	\$492M	\$56M	\$43,861M
IGV	iShares Expanded Tech-Software Sector ETF	\$188M	\$456M	(\$102M)	(\$1,014M)	\$5,759M
XLI	Industrial Select Sector SPDR Fund	\$175M	(\$1,491M)	(\$3,045M)	\$622M	\$17,382M
KBWB	Invesco KBW Bank ETF	\$166M	\$724M	\$741M	\$1,855M	\$3,386M
VGT	Vanguard Information Technology ETF	\$154M	\$1,212M	\$2,490M	\$2,193M	\$49,954M
VFH	Vanguard Financials ETF	\$83M	\$82M	\$471M	\$1,694M	\$11,268M
SOXX	iShares Semiconductor ETF	\$67M	\$331M	\$184M	\$1,925M	\$7,113M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLC	Communication Services Select Sector SPDR Fu..	(\$294M)	\$1,006M	\$833M	\$943M	\$14,547M
XRT	SPDR S&P Retail ETF	(\$184M)	(\$451M)	\$180M	\$112M	\$777M
XLB	Materials Select Sector SPDR Fund	(\$122M)	(\$1,593M)	(\$507M)	\$1,787M	\$7,238M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$110M)	\$85M	(\$1,056M)	\$163M	\$20,239M
IYW	iShares U.S. Technology ETF	(\$87M)	\$620M	\$608M	\$479M	\$8,673M
IYR	iShares U.S. Real Estate ETF	(\$74M)	\$1,907M	\$424M	\$2,079M	\$7,377M
XLP	Consumer Staples Select Sector SPDR Fund	(\$60M)	\$331M	\$966M	(\$2,909M)	\$11,559M
XME	SPDR S&P Metals & Mining ETF	(\$44M)	(\$141M)	(\$17M)	\$714M	\$1,771M
VNQ	Vanguard Real Estate ETF	(\$40M)	\$119M	\$2,356M	\$5,414M	\$43,391M
XLRE	Real Estate Select Sector SPDR Fund	(\$38M)	\$555M	\$1,291M	\$1,413M	\$4,244M

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

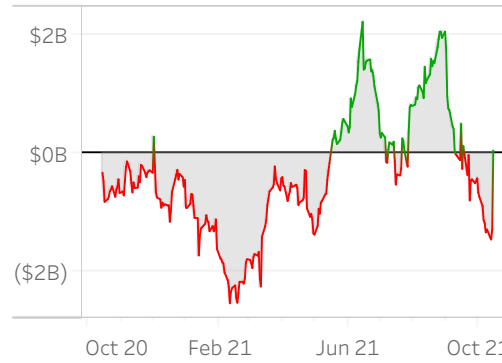
Communication Services



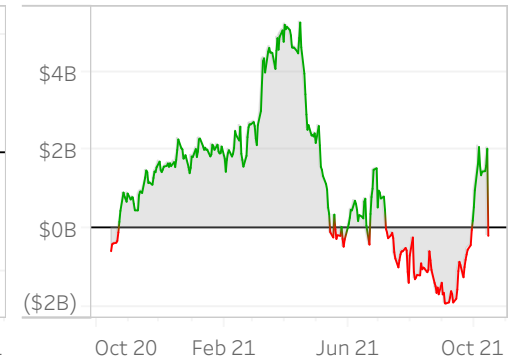
Consumer Discretionary



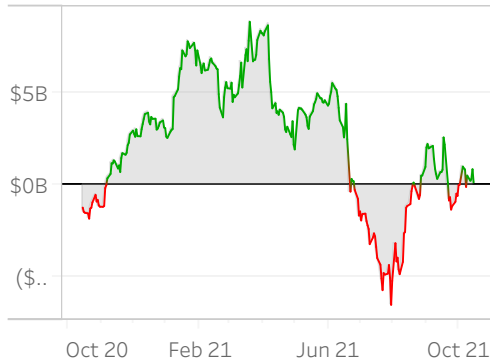
Consumer Staples



Energy



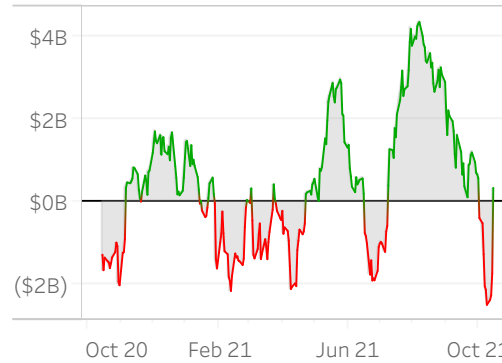
Financials



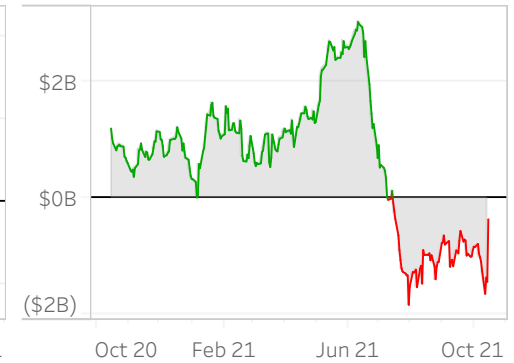
Industrial



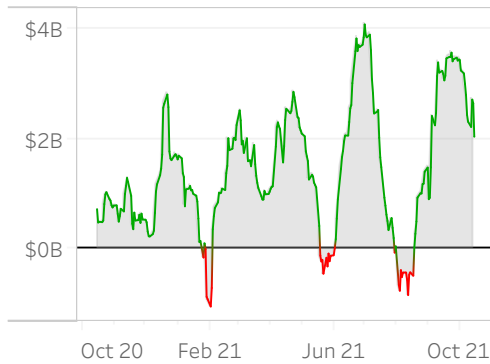
Health Care



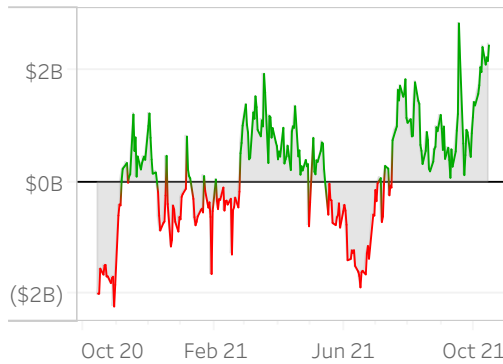
Materials



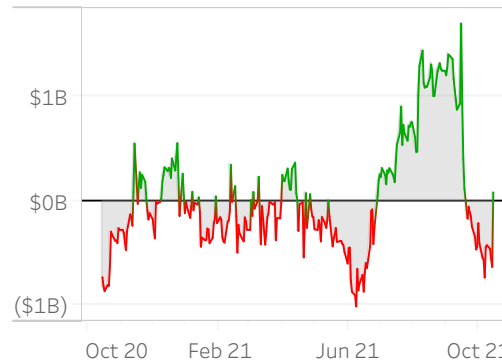
Real Estate



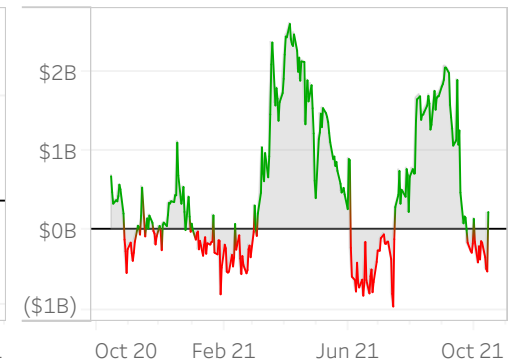
Technology



Utilities

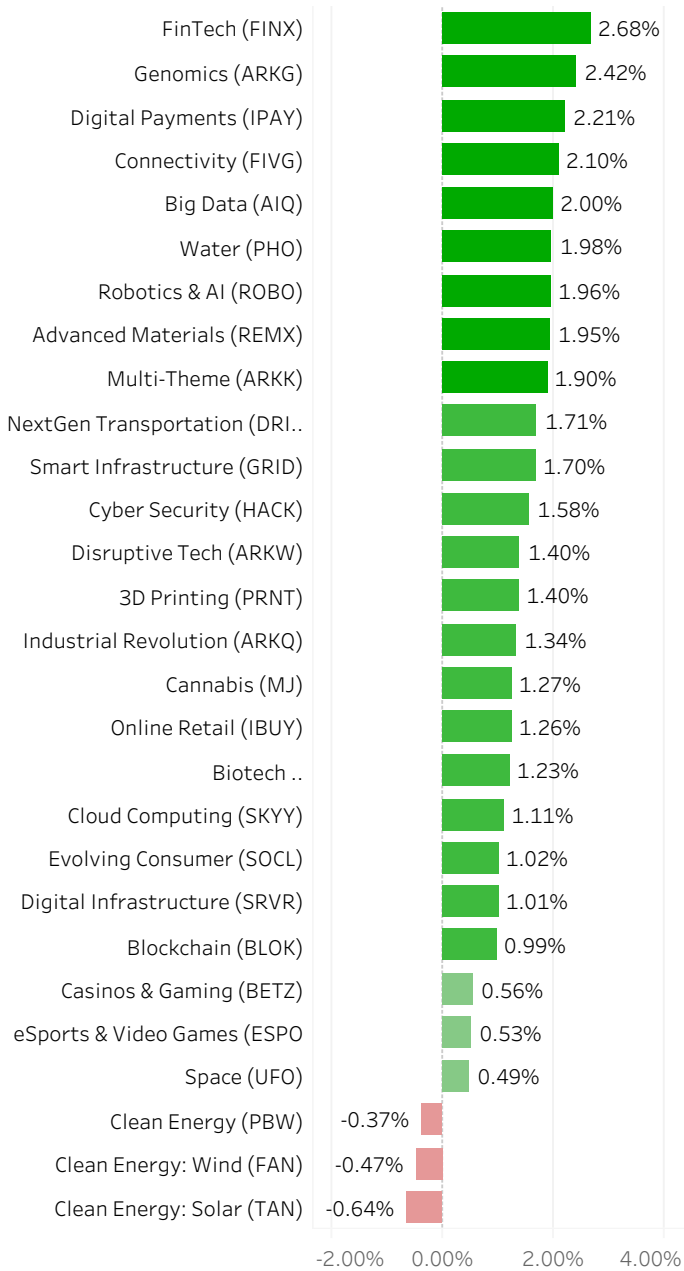


Multi-Sector

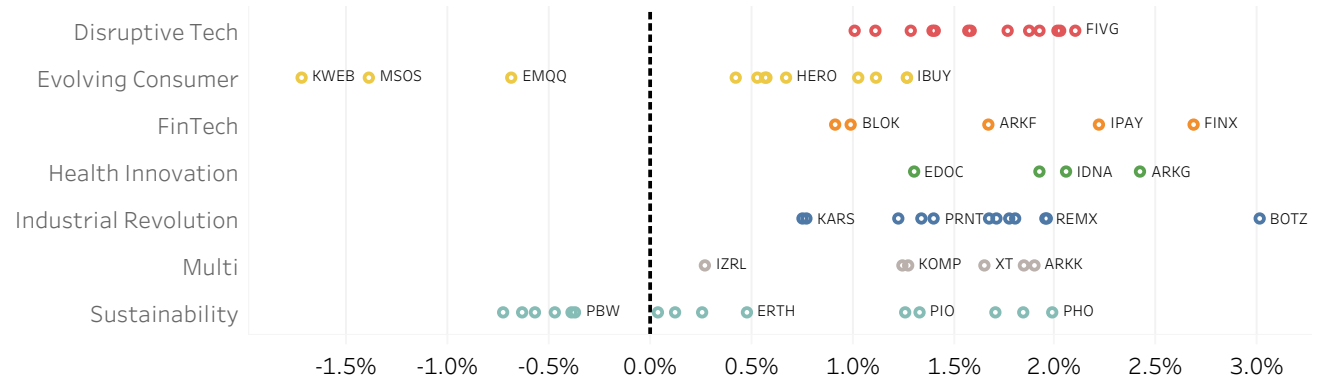


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
BOTZ	Global X Robotics & Artificial Intelligence ETF	3.01%
FINX	Global X FinTech ETF	2.68%
ARKG	ARK Genomic Revolution ETF	2.42%
QTUM	Defiance Quantum ETF	2.23%
IPAY	ETFMG Prime Mobile Payments ETF	2.21%
FIVG	Defiance Next Gen Connectivity ETF	2.10%
LOUP	Innovator Loup Frontier Tech ETF	2.08%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	2.05%
CLOU	Global X Cloud Computing ETF	2.02%
SNSR	Global X Internet of Things ETF	2.01%

Thematic Most Overbought

Ticker	Fund	Value
CIBR	First Trust NASDAQ Cybersecurity ETF	64.78
CNRG	SPDR S&P Kensho Clean Power ETF	62.49
SKYY	First Trust Cloud Computing ETF	62.21
BATT	Amplify Lithium & Battery Technology ETF	62.20
TAN	Invesco Solar ETF	61.94
QLCN	First Trust Nasdaq Clean Edge Green Energy Index Fund	61.15
HACK	ETFMG Prime Cyber Security ETF	61.11
BUG	Global X Cybersecurity ETF	60.99
EVX	VanEck Environmental Services ETF	60.69
ACES	ALPS Clean Energy ETF	60.46

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
KWEB	KraneShares CSI China Internet ETF	-1.73%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.39%
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	-1.24%
ACES	ALPS Clean Energy ETF	-0.73%
CTEC	Global X CleanTech ETF	-0.71%
EMQQ	Emerging Markets Internet & Ecommerce ETF	-0.69%
TAN	Invesco Solar ETF	-0.64%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.57%
FAN	First Trust Global Wind Energy ETF	-0.47%
ICLN	iShares Global Clean Energy ETF	-0.39%

Thematic Most Oversold

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	33.22
CNBS	Amplify Seymour Cannabis ETF	35.47
THCX	Cannabis ETF	35.78
GERM	ETFMG Treatments Testing and Advancements ETF	36.90
YOLO	AdvisorShares Pure Cannabis ETF	37.47
MJ	ETFMG Alternative Harvest ETF	41.60
VPN	Global X Data Center REITs & Digital Infrastructure ETF	41.77
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	41.90
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	42.08
GNOM	Global X Genomics & Biotechnology ETF	42.16

* 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
KWEB	KraneShares CSI China Internet ETF	\$386M
AWAY	ETFMG Travel Tech ETF	\$27M
BLOK	Amplify Transformational Data Sharing ETF	\$7M
ARKG	ARK Genomic Revolution ETF	\$7M
BKCH	Global X Blockchain ETF	\$6M
FIW	First Trust Water ETF	\$4M
BUG	Global X Cybersecurity ETF	\$4M
BITQ	Bitwise Crypto Industry Innovators ETF	\$4M
EVX	VanEck Environmental Services ETF	\$3M
WCLD	WisdomTree Cloud Computing Fund	\$3M

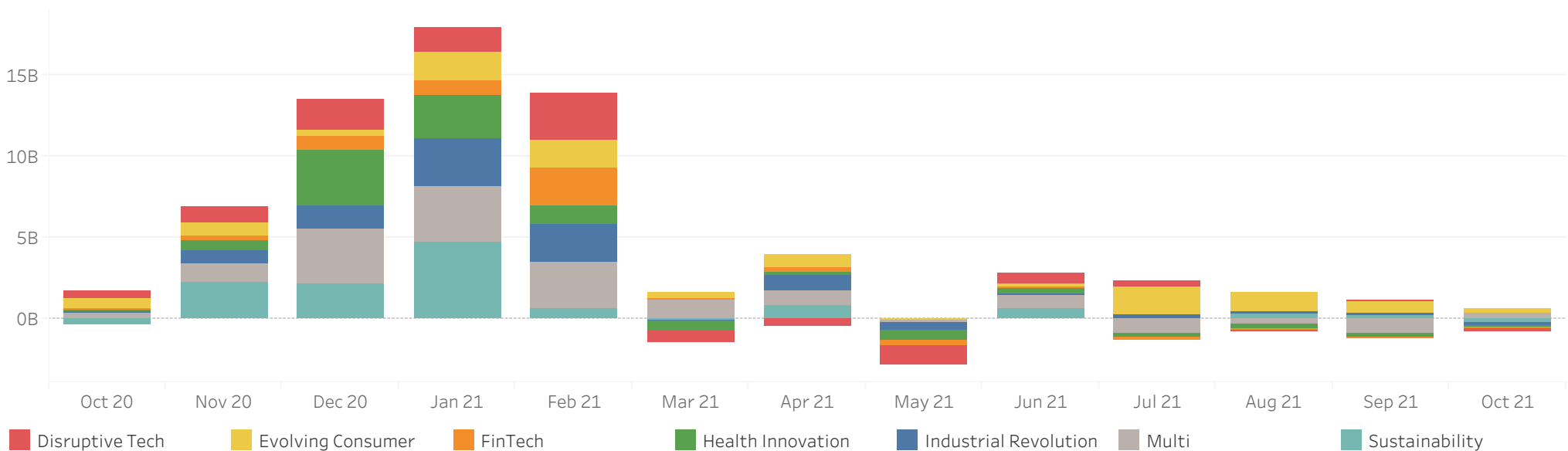
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$121M)
TAN	Invesco Solar ETF	(\$83M)
NXTG	First Trust Indxx NextG ETF	(\$80M)
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	(\$59M)
ARKW	ARK Next Generation Internet ETF	(\$35M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$21M)
PBW	Invesco WilderHill Clean Energy ETF	(\$20M)
ICLN	iShares Global Clean Energy ETF	(\$19M)
ARKF	ARK Fintech Innovation ETF	(\$18M)
EMQQ	Emerging Markets Internet & Ecommerce ETF	(\$16M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	31	\$28B	(\$172M)	(\$159M)	(\$781M)	\$6,178M
Evolving Consumer	39	\$17B	\$376M	\$3,252M	\$4,424M	\$10,513M
FinTech	14	\$8B	(\$8M)	(\$361M)	(\$595M)	\$4,394M
Health Innovation	14	\$9B	\$4M	(\$737M)	(\$1,095M)	\$6,509M
Industrial Revolution	22	\$17B	(\$76M)	\$343M	\$54M	\$8,102M
Multi	28	\$29B	(\$93M)	(\$702M)	(\$1,906M)	\$12,206M
Sustainability	34	\$22B	(\$59M)	\$199M	\$1,292M	\$11,431M
Grand Total	182	\$130B	(\$28M)	\$1,834M	\$1,392M	\$59,332M

Thematic Monthly Flows

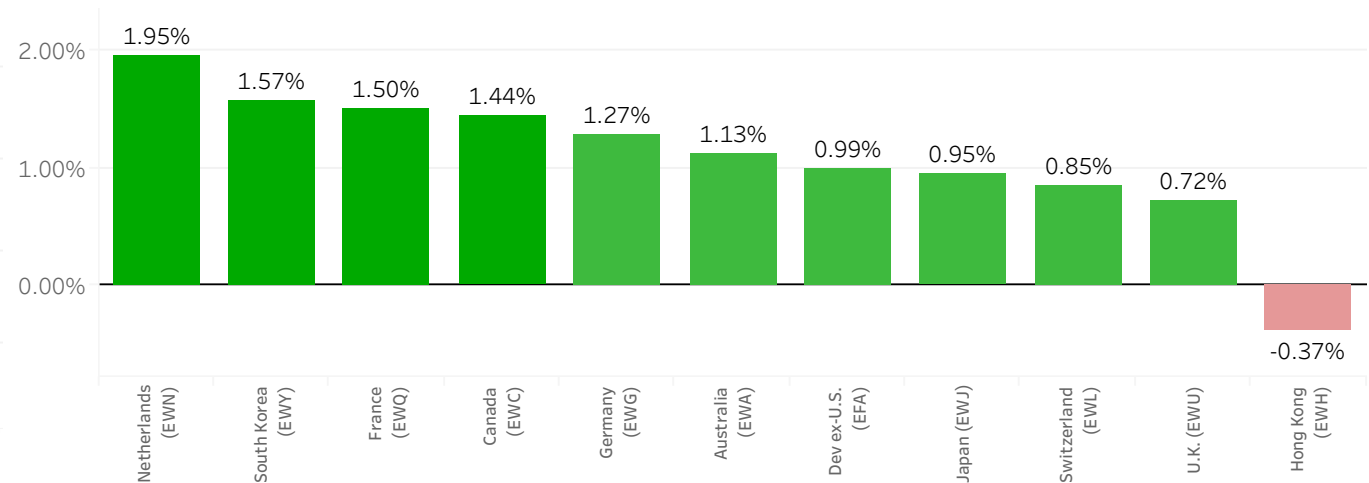


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

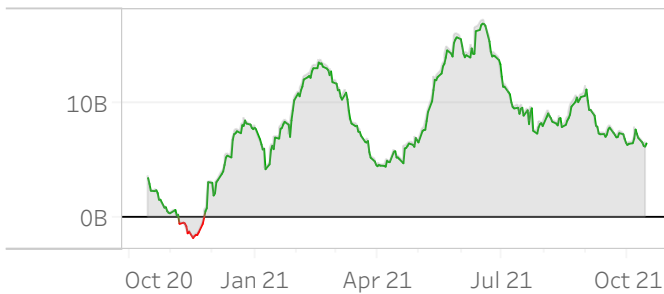
Developed ex-U.S. (EFA)



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



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



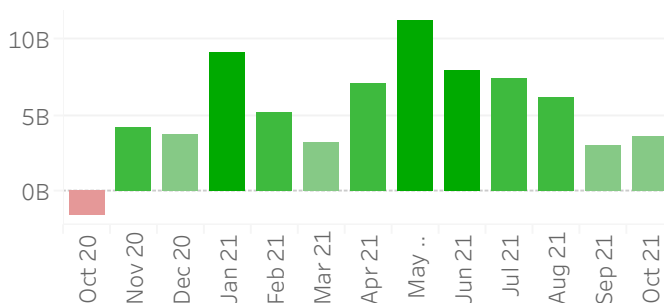
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	1.95%
FLKR	Franklin FTSE South Korea ETF	1.69%
FSZ	First Trust Switzerland AlphaDEX Fund	1.65%
IMTM	iShares MSCI Intl Momentum Factor ETF	1.60%
EWY	iShares MSCI South Korea ETF	1.57%
RFDI	First Trust Riverfront Dynamic Developed International ETF	1.57%
FEZ	SPDR EURO STOXX 50 ETF	1.57%
EWD	iShares MSCI Sweden ETF	1.56%
BBCA	JPMorgan BetaBuilders Canada ETF	1.55%
PIZ	Invesco DWA Developed Markets Momentum ETF	1.53%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
BBCA	JPMorgan BetaBuilders Canada ETF	68.90
EWC	iShares MSCI Canada ETF	68.63
EWS	iShares MSCI Singapore ETF	66.12
ISRA	VanEck Israel ETF	63.90
EIS	iShares MSCI Israel ETF	63.87
EWU	iShares MSCI United Kingdom ETF	63.11
FLGB	Franklin FTSE United Kingdom ETF	61.33
EWA	iShares MSCI Australia ETF	59.88
FIDI	Fidelity International High Dividend ETF	58.99
EWO	iShares MSCI Austria ETF	58.92

Developed ex-U.S. Monthly Flows



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

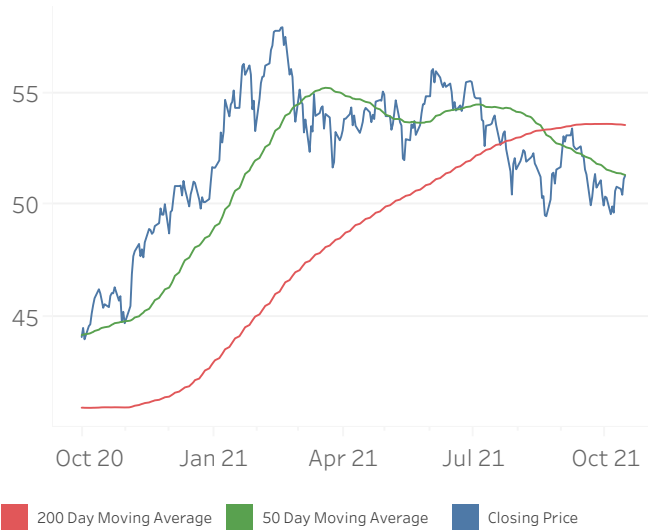
Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	-0.54%
EWH	iShares MSCI Hong Kong ETF	-0.37%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.31%
EWJV	iShares MSCI Japan Value ETF	0.33%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.35%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	0.36%
EWP	iShares MSCI Spain ETF	0.40%
AIA	iShares Asia 50 ETF	0.40%
IDLV	Invesco S&P International Developed Low Volatility ETF	0.48%
GREK	Global X MSCI Greece ETF	0.51%

Developed ex-U.S. Most Oversold

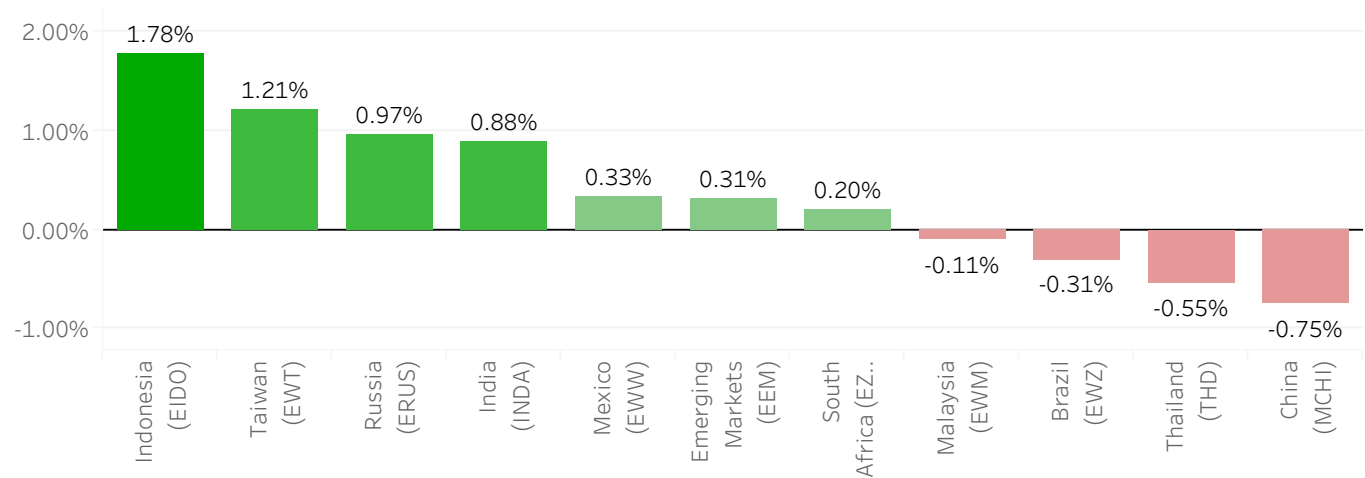
Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	32.42
SCJ	iShares MSCI Japan Small-Cap ETF	35.46
JPXN	iShares JPX-Nikkei 400 ETF	39.84
EWJ	iShares MSCI Japan ETF	39.91
BBJP	JPMorgan BetaBuilders Japan ETF	40.12
FLJP	Franklin FTSE Japan ETF	40.28
EFAV	iShares MSCI EAFE Min Vol Factor ETF	41.75
EWJV	iShares MSCI Japan Value ETF	42.90
IMOM	Alpha Architect International Quantitative Moment...	43.23
VPL	Vanguard FTSE Pacific ETF	43.24

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

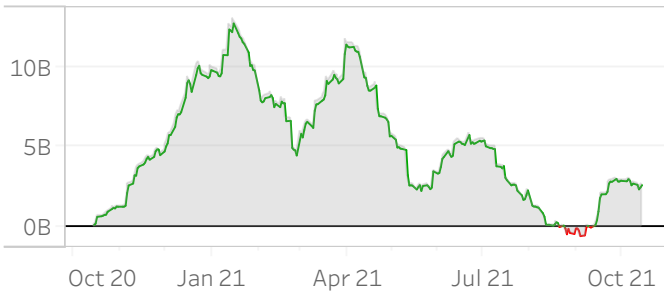
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



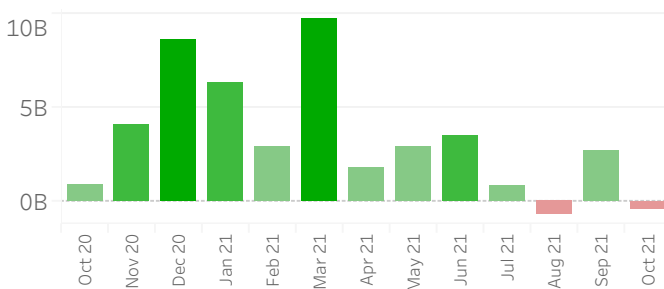
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EPU	iShares MSCI Peru ETF	2.31%
EIDO	iShares MSCI Indonesia ETF	1.78%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.73%
PIE	Invesco DWA Emerging Markets Momentum ETF	1.48%
AFK	VanEck Africa Index ETF	1.29%
EWT	iShares MSCI Taiwan ETF	1.21%
SMIN	iShares MSCI India Small Cap ETF	1.21%
GLIN	VanEck India Growth Leaders ETF	1.21%
EPI	WisdomTree India Earnings Fund	1.17%
EPOL	iShares MSCI Poland ETF	1.15%

Emerging Most Overbought

Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	85.10
QAT	iShares MSCI Qatar ETF	76.90
EPU	iShares MSCI Peru ETF	74.70
RSX	VanEck Russia ETF	73.85
ERUS	iShares MSCI Russia ETF	73.71
EPHE	iShares MSCI Philippines ETF	71.73
SMIN	iShares MSCI India Small Cap ETF	71.72
EWM	iShares MSCI Malaysia ETF	70.54
KSA	iShares MSCI Saudi Arabia ETF	70.44
EPI	WisdomTree India Earnings Fund	70.17

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	-2.04%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.15%
ECH	iShares MSCI Chile ETF	-1.13%
PGJ	Invesco Golden Dragon China ETF	-1.13%
KBA	KraneShares Bosera MSCI China A Share ETF	-0.99%
CNYA	iShares MSCI China A ETF	-0.92%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.90%
MCHI	iShares MSCI China ETF	-0.75%
FLCH	Franklin FTSE China ETF	-0.67%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.56%

Emerging Most Oversold

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	21.54
TUR	iShares MSCI Turkey ETF	31.54
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	39.37
ILF	iShares Latin America 40 ETF	41.74
EWT	iShares MSCI Taiwan ETF	41.91
EWZ	iShares MSCI Brazil ETF	43.61
FLBR	Franklin FTSE Brazil ETF	44.17
PIE	Invesco DWA Emerging Markets Momentum ETF	44.27
EYLD	Cambria Emerging Shareholder Yield ETF	45.06
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	45.15

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

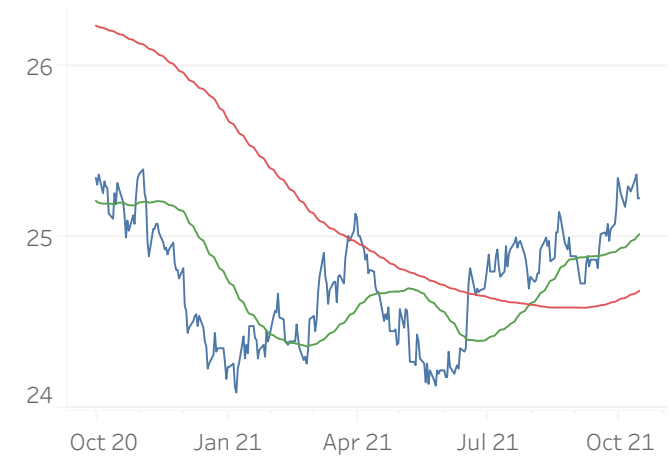
Fixed Income (AGG)



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%	-1.08%	-1.50%
SHY	1-3 Year Treasury Bonds	0.00%	-0.27%	-0.27%
IEF	7-10 Year Treasury Bonds	0.24%	-1.84%	-3.43%
TLT	20+ Year Treasury Bonds	0.37%	-3.34%	-6.43%
TIP	TIPS Bonds	0.19%	0.00%	4.43%
FLOT	Floating Rate Bonds	0.06%	0.03%	0.47%
LQD	Investment Grade Corporate	0.47%	-1.51%	-1.53%
HYG	High Yield Corporate	0.56%	-0.40%	3.15%
BKLN	Senior Loan	0.00%	0.21%	1.86%
PFF	Preferred & Income Securities	0.72%	0.15%	5.16%
MUB	Municipal Bonds	0.02%	-0.71%	0.30%
MBB	MBS	0.12%	-0.48%	-0.82%
EMB	Dollar Denominated EM Bonds	0.43%	-2.53%	-2.32%
LEMB	Local Currency EM Bond	0.07%	-2.58%	-6.41%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.13%	7.59%	39.18%
DBE	Energy	1.21%	14.81%	69.46%
USO	WTI Crude Oil	1.16%	15.21%	72.10%
BNO	Brent Crude Oil	1.05%	15.46%	72.21%
UNG	Natural Gas	0.26%	6.17%	113.15%
UGA	Gasoline	1.26%	14.92%	75.52%
DBP	Precious Metals	0.68%	-0.70%	-7.97%
GLD	Gold	0.24%	-0.49%	-5.81%
SLV	Silver	2.20%	-1.36%	-11.27%
PPLT	Platinum	3.98%	12.40%	-1.63%
PALL	Palladium	1.28%	7.72%	-13.31%
DBB	Base Metals	2.30%	9.58%	33.89%
CPER	Copper	2.51%	6.93%	29.85%
LD	Lead	3.09%	2.67%	16.59%
JJN	Nickel	2.03%	-0.32%	15.63%
JJU	Aluminum	2.81%	10.95%	55.37%
JJT	Tin	1.82%	11.66%	107.53%
DBA	Agriculture	0.37%	2.96%	18.46%
CORN	Corn	0.72%	0.41%	26.25%
SOYB	Soybeans	0.62%	-4.97%	9.04%
WEAT	Wheat	0.43%	3.36%	14.38%
CANE	Sugar	-0.94%	0.21%	39.70%
BAL	Cotton	3.39%	14.64%	31.51%
NIB	Cocoa	-0.86%	-2.75%	-2.44%
JO	Coffee	1.09%	12.88%	54.92%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.00%	1.45%	4.08%
UDN	Short Dollar	0.05%	-1.60%	-5.10%
FXE	Euro	0.00%	-1.83%	-5.83%
FXB	British Pound Sterling	0.11%	-0.99%	-0.28%
FXF	Swiss Franc	0.02%	-0.42%	-5.00%
FXJ	Japanese Yen	-0.30%	-3.59%	-9.58%
FXC	Canadian Dollar	0.51%	2.58%	2.50%
FXA	Australian Dollar	0.51%	1.31%	-4.14%

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

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