

Large Cap Blend (S&P 500) IVV



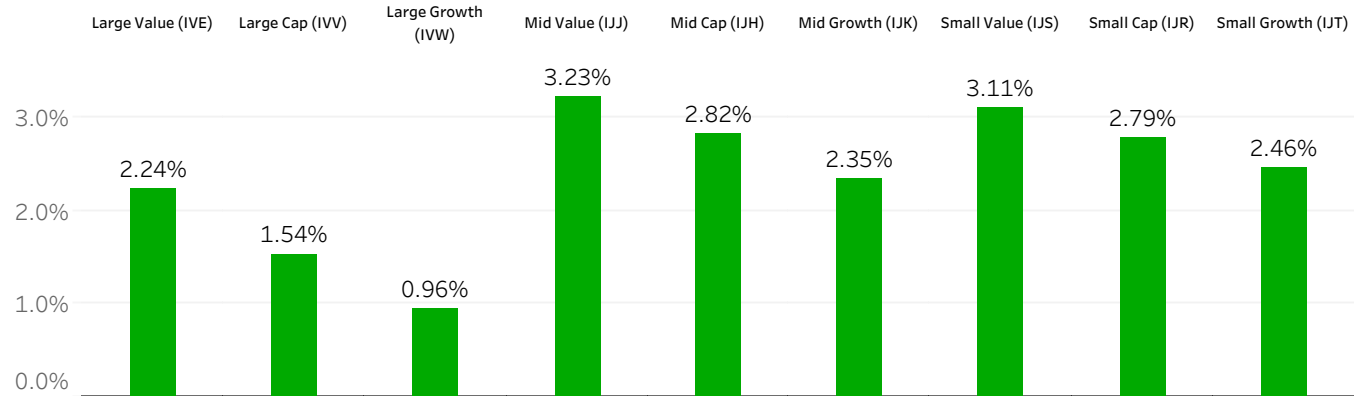
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
XSVM	Invesco S&P SmallCap Value with Momentum ETF	3.27%
IJJ	iShares S&P Mid-Cap 400 Value ETF	3.23%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	3.22%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	3.22%
IJS	iShares S&P Small-Cap 600 Value ETF	3.11%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	3.11%
SLYV	SPDR S&P 600 Small Cap Value ETF	3.10%
MDYV	SPDR S&P 400 Mid Cap Value ETF	3.10%
XMVM	Invesco S&P MidCap Value with Momentum ETF	3.09%
EZM	WisdomTree U.S. MidCap Fund	3.08%

Size & Style Most Overbought

Ticker	Fund	Value
ALTL	Pacer Lunt Large Cap Alternator ETF	54.13
LEAD	Siren DIVCON Leaders Dividend ETF	52.55
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	52.03
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	51.52
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	49.98
HLAL	Wahed FTSE USA Shariah ETF	49.95
IVW	iShares S&P 500 Growth ETF	49.57
SPYG	SPDR Portfolio S&P 500 Growth ETF	49.46
VOOG	Vanguard S&P 500 Growth ETF	49.14
IUSG	iShares Core S&P U.S. Growth ETF	48.60

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-0.30%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	0.00%
PLRG	Principal US Large-Cap Adaptive Multi-Factor ETF	0.20%
PTNQ	Pacer Trendpilot 100 ETF	0.34%
BUZZ	VanEck Social Sentiment ETF	0.46%
QQH	HCM Defender 100 Index ETF	0.52%
IWY	iShares Russell Top 200 Growth ETF	0.52%
VEGN	US Vegan Climate ETF	0.62%
QQQM	Invesco NASDAQ 100 ETF	0.68%
QQQ	Invesco QQQ Trust	0.72%

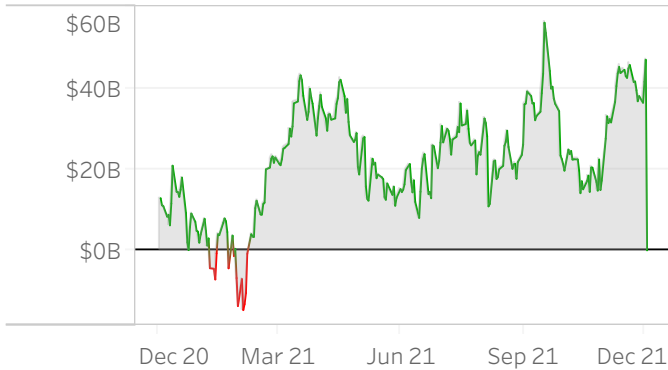
Size & Style Most Oversold

Ticker	Fund	Value
BUZZ	VanEck Social Sentiment ETF	30.02
GURU	Global X Guru Index ETF	30.73
MFMS	Motley Fool Small-Cap Growth ETF	30.75
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index ..	31.07
IWC	iShares Micro-Cap ETF	31.49
MXDU	Nationwide Maximum Diversification US Core Equit..	31.99
IPO	Renaissance IPO ETF	32.76
RFG	Invesco S&P Midcap 400 Pure Growth ETF	33.52
ISCG	iShares Morningstar Small-Cap Growth ETF	33.57
SHE	SPDR SSGA Gender Diversity Index ETF	33.68

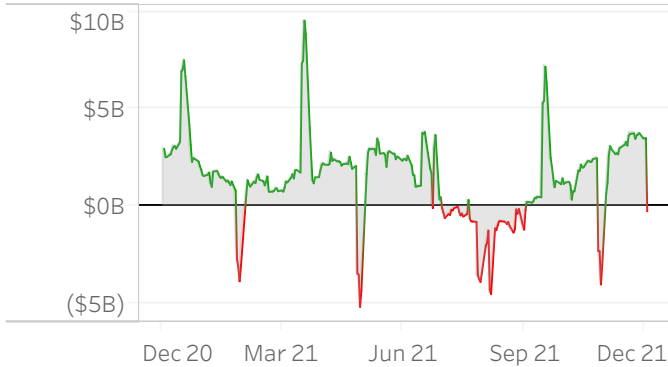
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

* 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	\$1,351B	\$11.59B	\$42.67B	\$92.61B	\$117.73B
Large Cap, Beta Growth, Beta: Growth	10	\$274B	\$0.57B	\$1.76B	\$10.44B	\$6.08B
Large Cap, Beta Growth, Beta: Value	11	\$203B	\$0.20B	\$6.09B	\$8.52B	\$31.22B
Mid Cap, Beta, Beta	10	\$189B	\$0.12B	\$4.14B	\$4.14B	\$9.93B
Mid Cap, Beta, Beta: Growth	6	\$41B	\$0.06B	\$1.00B	\$0.81B	(\$1.58B)
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.03B	\$0.58B	(\$0.29B)	\$3.77B
Small Cap, Beta, Beta: Value	7	\$56B	\$0.02B	\$0.82B	(\$0.03B)	\$7.26B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.23B)	\$0.27B	\$0.45B	\$1.01B
Small Cap, Beta, Beta	12	\$220B	(\$0.52B)	\$8.19B	\$10.80B	\$24.85B

U.S. Size & Style Flow Leaders

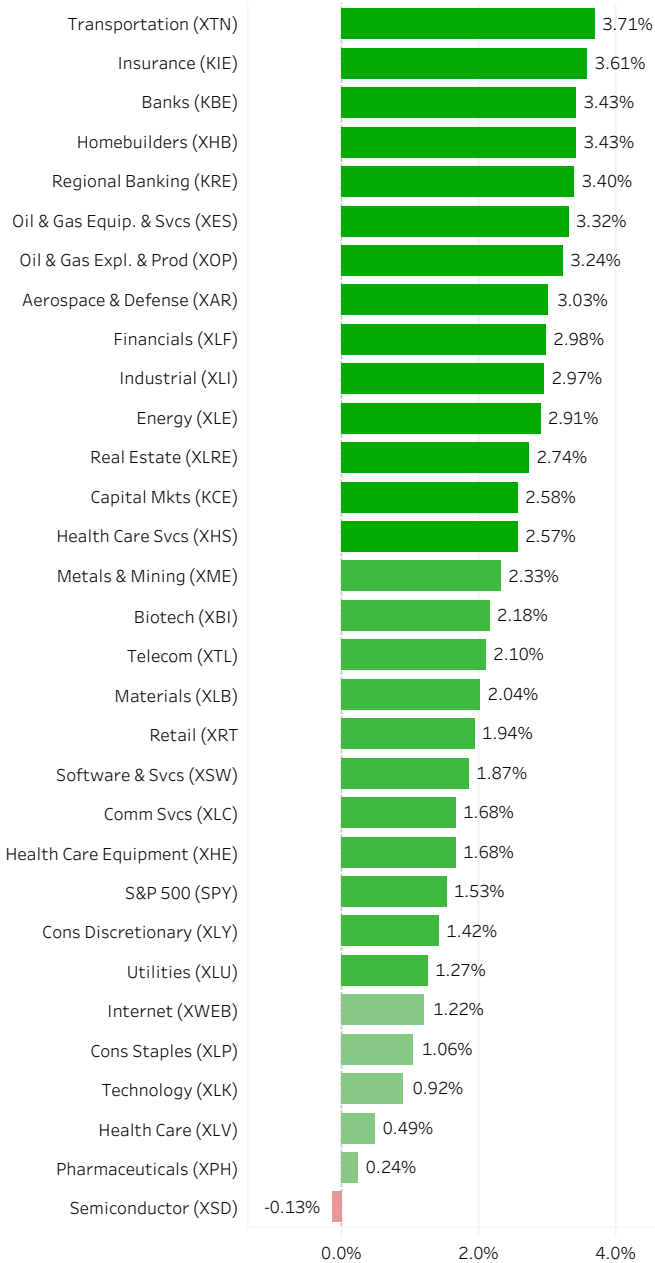
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$6.65B	\$11.53B	\$27.11B	\$13.62B	\$417.83B
QQQ	Invesco QQQ Trust	\$3.63B	\$5.75B	\$18.59B	\$17.71B	\$208.69B
VTI	Vanguard Total Stock Market ETF	\$1.24B	\$11.67B	\$22.86B	\$44.94B	\$284.69B
VOO	Vanguard S&P 500 ETF	\$0.58B	\$11.75B	\$24.50B	\$50.80B	\$270.49B
IVV	iShares Core S&P 500 ETF	\$0.56B	\$9.65B	\$14.28B	\$21.46B	\$318.46B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.28B	\$0.97B	\$3.08B	\$3.35B	\$15.81B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.15B	\$1.62B	\$5.15B	\$8.03B	\$24.12B
VTV	Vanguard Value ETF	\$0.14B	\$3.40B	\$5.55B	\$15.78B	\$86.85B
VTWO	Vanguard Russell 2000 ETF	\$0.14B	\$0.89B	\$1.82B	\$3.85B	\$6.87B
SCHD	Schwab US Dividend Equity ETF	\$0.13B	\$2.48B	\$4.80B	\$11.02B	\$29.89B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
MTUM	iShares MSCI USA Momentum Factor ETF	(\$1.04B)	\$0.73B	\$0.15B	\$0.86B	\$15.84B
IWM	iShares Russell 2000 ETF	(\$0.58B)	\$2.91B	\$3.47B	\$6.73B	\$68.83B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.43B)	(\$1.12B)	(\$1.62B)	(\$0.59B)	\$28.75B
IWO	iShares Russell 2000 Growth ETF	(\$0.27B)	\$0.10B	\$0.15B	(\$0.41B)	\$11.67B
IJR	iShares Core S&P Small Cap ETF	(\$0.18B)	\$2.23B	\$1.34B	\$4.20B	\$70.87B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.11B)	(\$0.35B)	(\$0.98B)	(\$0.30B)	\$20.24B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.07B)	(\$0.08B)	(\$0.26B)	(\$1.52B)	\$8.01B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.06B)	\$1.31B	\$2.52B	\$5.54B	\$44.46B
EQAL	Invesco Russell 1000 Equal Weight ETF	(\$0.06B)	(\$0.05B)	(\$0.04B)	(\$0.02B)	\$0.61B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.05B)	\$0.34B	(\$0.55B)	(\$8.68B)	\$28.50B

* 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)
XLK	Technology Select Sector SPDR Fund	-1.97%	33.47%	4.44%	13.08%	54.55
XLRE	Real Estate Select Sector SPDR Fund	-2.20%	37.05%	2.02%	7.95%	51.10
SPY	SPDR S&P 500 ETF Trust	-2.62%	24.55%	0.83%	6.26%	45.96
XLP	Consumer Staples Select Sector SPDR Fund	-3.42%	11.67%	-0.79%	0.61%	40.34
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.69%	30.66%	3.45%	12.57%	49.89
XLI	Industrial Select Sector SPDR Fund	-4.48%	20.70%	-1.07%	0.29%	41.98
XLU	Utilities Select Sector SPDR Fund	-4.77%	14.34%	0.77%	1.61%	48.95
XLF	Financial Select Sector SPDR Fund	-4.83%	35.94%	-1.85%	3.94%	43.74
XLV	Health Care Select Sector SPDR Fund	-4.91%	17.45%	-0.47%	2.77%	39.57
XLB	Materials Select Sector SPDR Fund	-5.11%	21.04%	0.46%	2.57%	43.78
XLE	Energy Select Sector SPDR Fund	-6.02%	48.25%	-1.59%	6.58%	46.28
XLC	Communication Services Select Sector SPDR Fund	-12.99%	15.04%	-6.47%	-5.77%	30.40

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance (%)
ITB	iShares U.S. Home Construction ETF	4.18%
ITA	iShares U.S. Aerospace & Defense ETF	3.74%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.72%
XTN	SPDR S&P Transportation ETF	3.71%
KBWB	Invesco KBW Bank ETF	3.66%
KIE	SPDR S&P Insurance ETF	3.61%
IAT	iShares U.S. Regional Banks ETF	3.60%
PSCE	Invesco S&P SmallCap Energy ETF	3.58%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	3.55%
IYT	iShares US Transportation ETF	3.43%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	65.60
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	61.49
XHB	SPDR S&P Homebuilders ETF	59.16
SOXX	iShares Semiconductor ETF	56.80
FTXL	First Trust Nasdaq Semiconductor ETF	56.70
SOXQ	Invesco PHLX Semiconductor ETF	55.72
PSI	Invesco Dynamic Semiconductors ETF	55.40
XLK	Technology Select Sector SPDR Fund	54.55
XSD	SPDR S&P Semiconductor ETF	54.23
PKB	Invesco Dynamic Building & Construction ETF	53.08

Sector & Industry 1 Day Performance Laggards

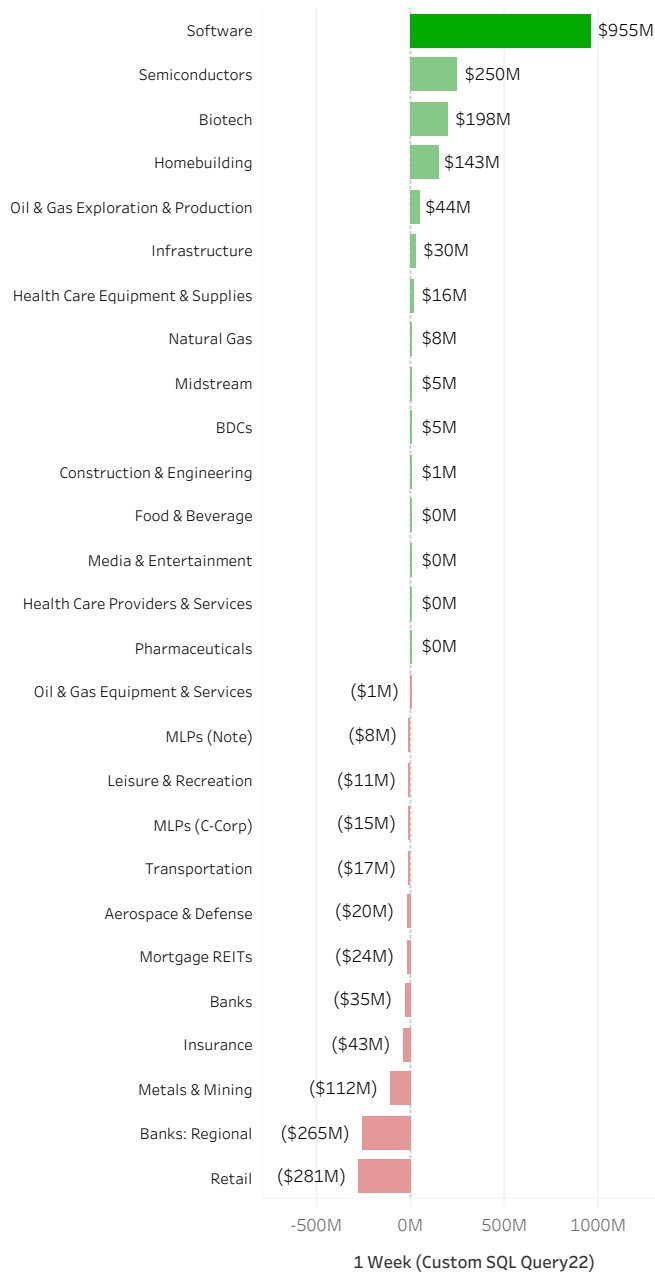
Ticker	Fund	1 Day Performance (%)
FTXL	First Trust Nasdaq Semiconductor ETF	-0.97%
IHE	iShares U.S. Pharmaceuticals ETF	-0.60%
XSD	SPDR S&P Semiconductor ETF	-0.13%
SOXQ	Invesco PHLX Semiconductor ETF	-0.10%
PSI	Invesco Dynamic Semiconductors ETF	-0.06%
PBE	Invesco Dynamic Biotechnology & Genome ETF	0.00%
PJP	Invesco Dynamic Pharmaceuticals ETF	0.06%
SOXX	iShares Semiconductor ETF	0.14%
XPH	SPDR S&P Pharmaceuticals ETF	0.24%
IBB	iShares Biotechnology ETF	0.33%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PBE	Invesco Dynamic Biotechnology & Genome ETF	27.16
XPH	SPDR S&P Pharmaceuticals ETF	27.32
PNQI	Invesco NASDAQ Internet ETF	27.46
PBS	Invesco Dynamic Media ETF	28.81
XHE	SPDR S&P Health Care Equipment ETF	28.83
PTH	Invesco DWA Healthcare Momentum ETF	29.29
VOX	Vanguard Communication Services ETF	29.99
FCOM	Fidelity MSCI Communication Services Index ETF	30.03
PEJ	Invesco Dynamic Leisure & Entertainment ETF	30.25
XLC	Communication Services Select Sector SPDR Fund	30.40

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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	\$20B	\$259M	(\$61M)	\$1,552M	\$1,553M
Consumer Discretionary	13	\$38B	\$61M	\$1,140M	\$445M	\$3,121M
Consumer Staples	12	\$20B	(\$35M)	(\$1,214M)	\$69M	(\$2,931M)
Energy	34	\$52B	(\$55M)	\$1,428M	(\$1,144M)	\$9,312M
Financials	28	\$79B	(\$1,520M)	(\$492M)	(\$3,239M)	\$19,299M
Health Care	26	\$87B	\$305M	(\$244M)	\$4,641M	\$3,235M
Industrial	14	\$34B	(\$355M)	(\$1,992M)	(\$5,020M)	\$424M
Materials	10	\$16B	(\$276M)	(\$725M)	(\$2,219M)	\$3,989M
Multi-Sector	17	\$26B	\$194M	\$1,122M	\$1,090M	\$4,147M
Real Estate	22	\$78B	\$98M	\$3,312M	\$7,458M	\$13,614M
Technology	24	\$157B	\$2,205M	\$4,530M	\$7,965M	\$6,599M
Utilities	10	\$20B	\$76M	(\$867M)	\$976M	(\$62M)

U.S. Sector & Industry Flow Leaders

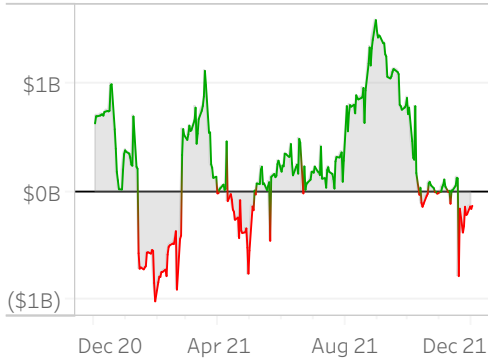
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$955M	\$1,276M	\$956M	(\$1M)	\$6,775M
XLK	Technology Select Sector SPDR Fund	\$835M	\$745M	\$1,943M	\$489M	\$50,050M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$298M	\$1,601M	\$633M	\$1,045M	\$23,764M
SOXX	iShares Semiconductor ETF	\$187M	\$997M	\$1,237M	\$2,356M	\$9,433M
XBI	SPDR S&P BIOTECH ETF	\$170M	\$59M	\$664M	\$844M	\$6,749M
VGT	Vanguard Information Technology ETF	\$131M	\$898M	\$2,020M	\$2,153M	\$54,713M
XLV	Health Care Select Sector SPDR Fund	\$101M	(\$371M)	\$2,777M	\$2,981M	\$31,858M
XLC	Communication Services Select Sector SPDR Fu..	\$101M	(\$113M)	\$868M	\$579M	\$13,961M
ITB	iShares U.S. Home Construction ETF	\$95M	\$313M	(\$93M)	\$155M	\$2,809M
IYZ	iShares U.S. Telecommunications ETF	\$94M	\$120M	\$96M	\$108M	\$523M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,293M)	(\$1,491M)	(\$3,692M)	\$9,035M	\$41,158M
XLI	Industrial Select Sector SPDR Fund	(\$316M)	(\$1,772M)	(\$3,745M)	(\$1,575M)	\$16,548M
XRT	SPDR S&P Retail ETF	(\$282M)	(\$441M)	(\$127M)	(\$90M)	\$714M
KRE	SPDR S&P Regional Banking ETF	(\$265M)	\$41M	(\$712M)	\$2,196M	\$4,787M
XLB	Materials Select Sector SPDR Fund	(\$163M)	(\$309M)	(\$1,244M)	\$1,901M	\$8,086M
XLE	Energy Select Sector SPDR Fund	(\$125M)	\$424M	(\$452M)	\$5,878M	\$25,336M
XME	SPDR S&P Metals & Mining ETF	(\$112M)	(\$84M)	(\$616M)	\$536M	\$1,598M
IYR	iShares U.S. Real Estate ETF	(\$66M)	\$109M	\$1,094M	\$919M	\$6,731M
KIE	SPDR S&P Insurance ETF	(\$38M)	(\$65M)	(\$25M)	\$40M	\$424M
XLP	Consumer Staples Select Sector SPDR Fund	(\$31M)	(\$1,353M)	(\$194M)	(\$2,602M)	\$11,424M

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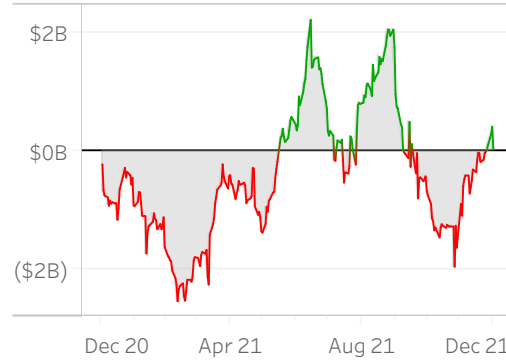
Communication Services



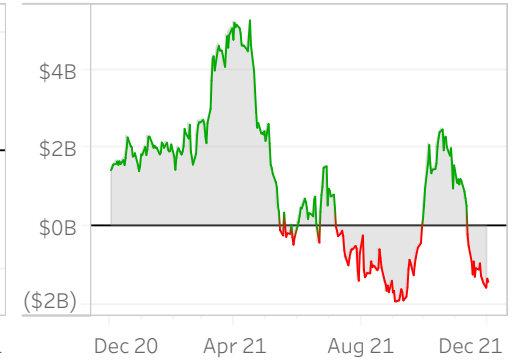
Consumer Discretionary



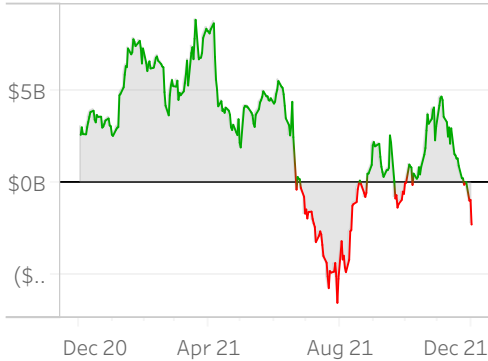
Consumer Staples



Energy



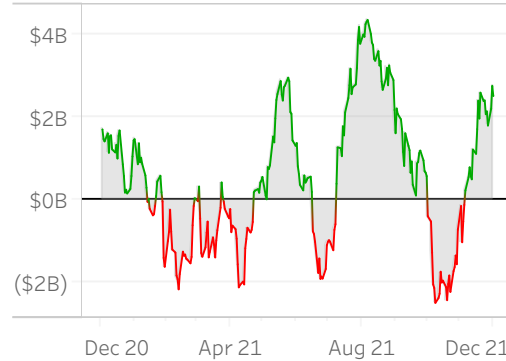
Financials



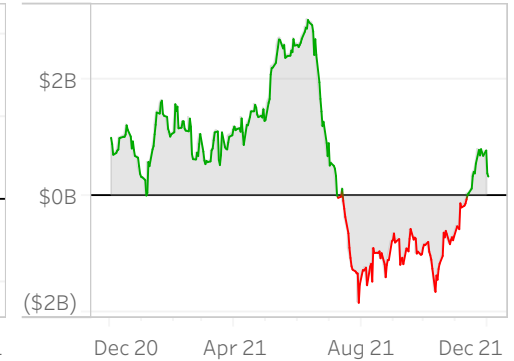
Industrial



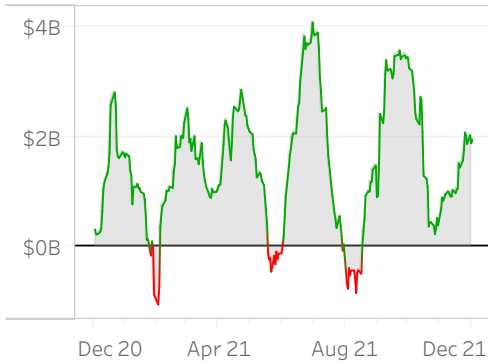
Health Care



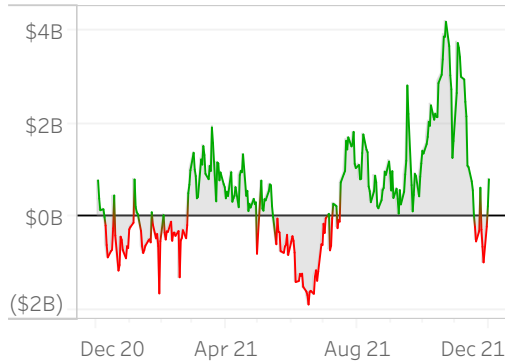
Materials



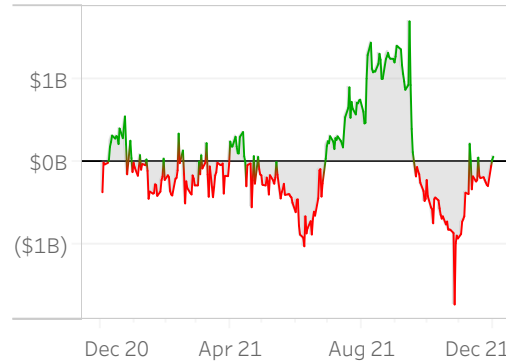
Real Estate



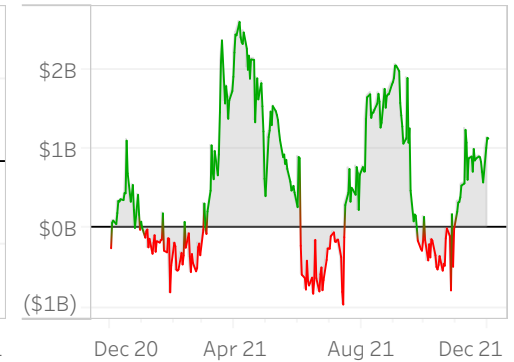
Technology



Utilities

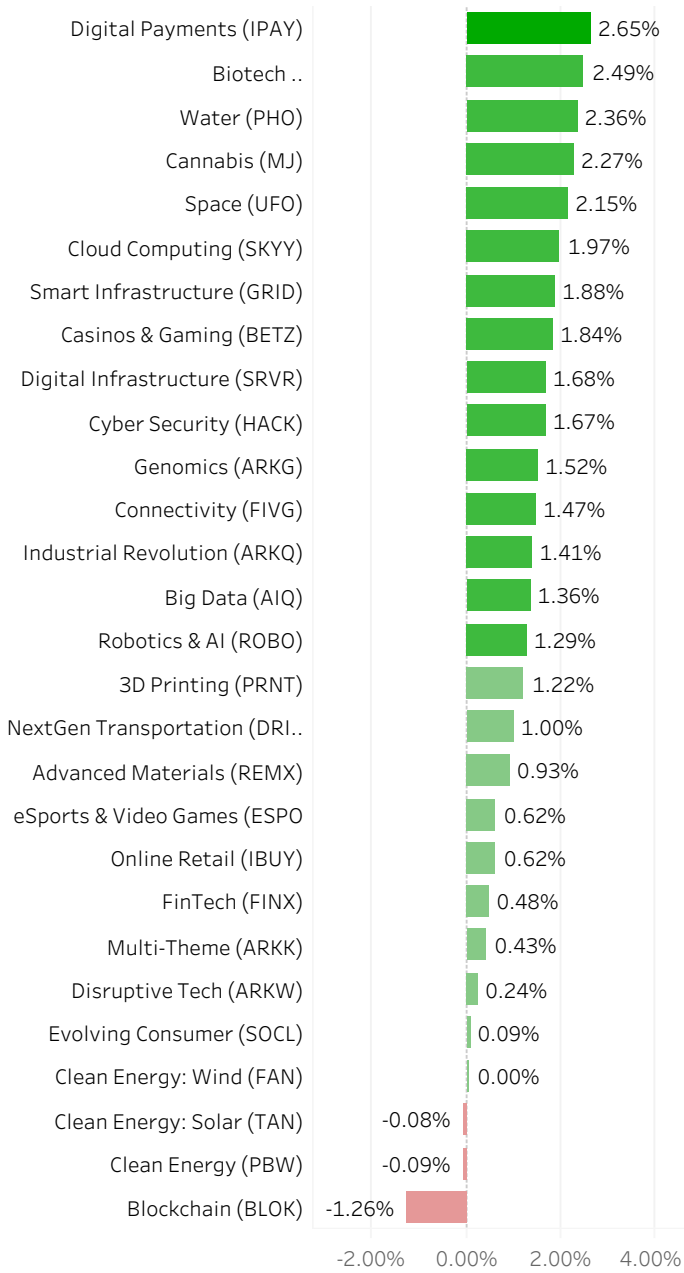


Multi-Sector

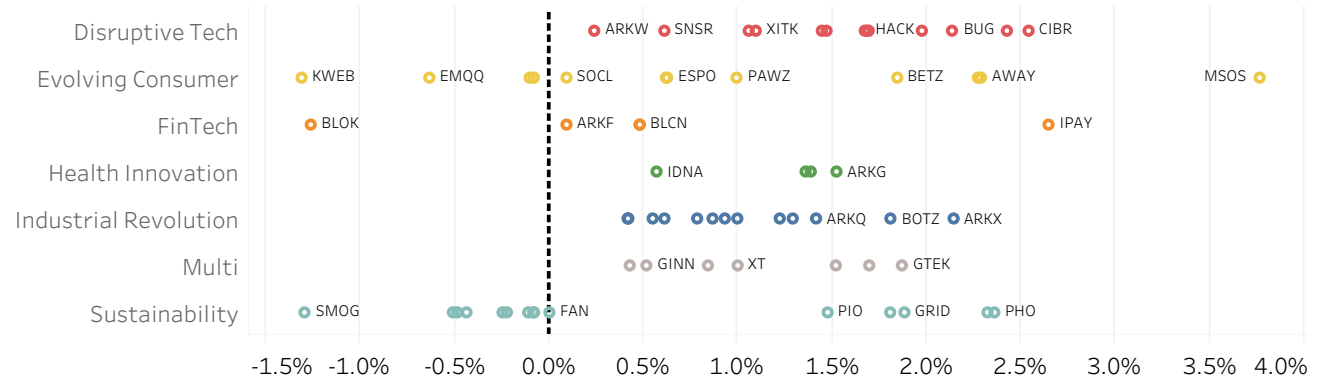


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
MSOS	AdvisorShares Pure US Cannabis ETF	3.76%
IPAY	ETFMG Prime Mobile Payments ETF	2.65%
CIBR	First Trust NASDAQ Cybersecurity ETF	2.54%
CNBS	Amplify Seymour Cannabis ETF	2.50%
SBIO	ALPS Medical Breakthroughs ETF	2.49%
IHAK	iShares Cybersecurity & Tech ETF	2.42%
PHO	Invesco Water Resources ETF	2.36%
FIW	First Trust Water ETF	2.32%
AWAY	ETFMG Travel Tech ETF	2.29%
MJ	ETFMG Alternative Harvest ETF	2.27%

Thematic Most Overbought

Ticker	Fund	Value
NXTG	First Trust Indxx NextG ETF	53.29
REMX	VanEck Rare Earth/Strategic Metals ETF	53.23
IDRV	iShares Self-driving EV & Tech ETF	52.30
FIVG	Defiance Next Gen Connectivity ETF	51.03
VPN	Global X Data Center REITs & Digital Infrastructure ETF	50.63
KSTR	KraneShares SSE STAR Market 50 Index ETF	49.32
GERM	ETFMG Treatments Testing and Advancements ETF	49.31
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	49.08
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	49.02
LIT	Global X Lithium & Battery Tech ETF	48.78

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
BKCH	Global X Blockchain ETF	-3.56%
DAPP	VanEck Digital Transformation ETF	-2.80%
BITQ	Bitwise Crypto Industry Innovators ETF	-2.76%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.83%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-1.82%
GAMR	Wedbush ETFMG Video Game Tech ETF	-1.37%
KWEB	KraneShares CSI China Internet ETF	-1.31%
SMOG	VanEck Low Carbon Energy ETF	-1.30%
BLOK	Amplify Transformational Data Sharing ETF	-1.26%
GERM	ETFMG Treatments Testing and Advancements ETF	-0.94%

Thematic Most Oversold

Ticker	Fund	Value
BETZ	Roundhill Sports Betting & iGaming ETF	18.22
BJK	VanEck Gaming ETF	21.55
IBUY	Amplify Online Retail ETF	21.85
AGNG	Global X Aging Population ETF	22.81
EBIZ	Global X E-Commerce ETF	23.52
SOCL	Global X Social Media ETF	23.56
ARKF	ARK Fintech Innovation ETF	23.72
BTEC	Principal Healthcare Innovators ETF	24.02
ONLN	ProShares Online Retail ETF	24.14
ARKK	ARK Innovation ETF	24.56

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$86M
MSOS	AdvisorShares Pure US Cannabis ETF	\$78M
META	Roundhill Ball Metaverse ETF	\$52M
BLOK	Amplify Transformational Data Sharing ETF	\$45M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$36M
LIT	Global X Lithium & Battery Tech ETF	\$35M
PBW	Invesco WilderHill Clean Energy ETF	\$30M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$18M
BUG	Global X Cybersecurity ETF	\$17M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$15M

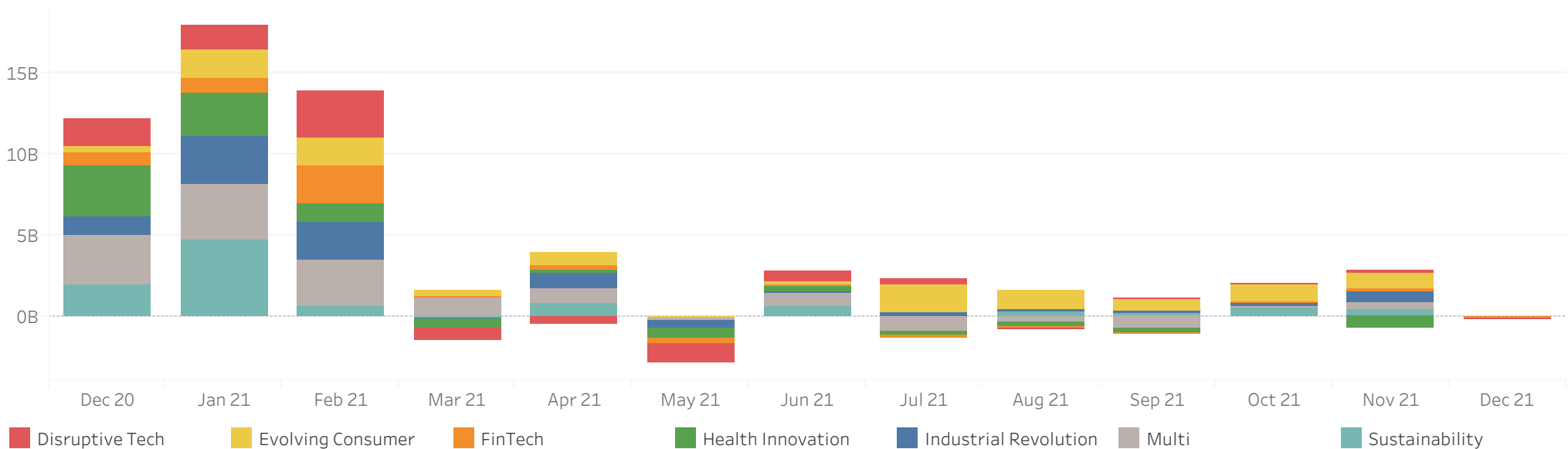
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKW	ARK Next Generation Internet ETF	(\$50M)
ARKF	ARK Fintech Innovation ETF	(\$48M)
ICLN	iShares Global Clean Energy ETF	(\$26M)
SKYY	First Trust Cloud Computing ETF	(\$16M)
TAN	Invesco Solar ETF	(\$15M)
KWEB	KraneShares CSI China Internet ETF	(\$14M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$12M)
ARKG	ARK Genomic Revolution ETF	(\$12M)
AWAY	ETFMG Travel Tech ETF	(\$10M)
PRNT	3D Printing ETF	(\$9M)

Thematic Landscape Assets & Flows

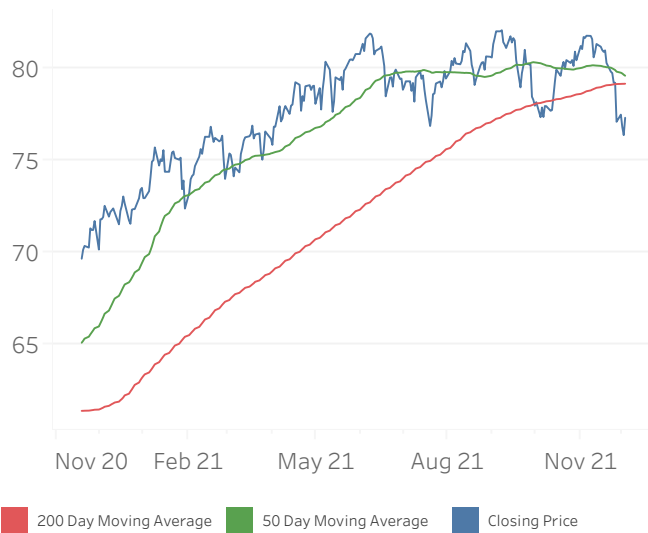
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$29B	\$10M	\$207M	\$1,239M	\$5,053M
Evolving Consumer	43	\$17B	\$46M	\$2,223M	\$6,071M	\$10,798M
FinTech	16	\$8B	\$36M	\$101M	\$1M	\$4,187M
Health Innovation	16	\$7B	(\$42M)	(\$951M)	(\$1,130M)	\$4,942M
Industrial Revolution	24	\$19B	\$36M	\$852M	\$1,387M	\$8,113M
Multi	28	\$28B	\$80M	(\$108M)	(\$296M)	\$10,605M
Sustainability	36	\$25B	\$57M	\$1,264M	\$2,252M	\$10,521M
Grand Total	200	\$132B	\$223M	\$3,586M	\$9,524M	\$54,220M

Thematic Monthly Flows

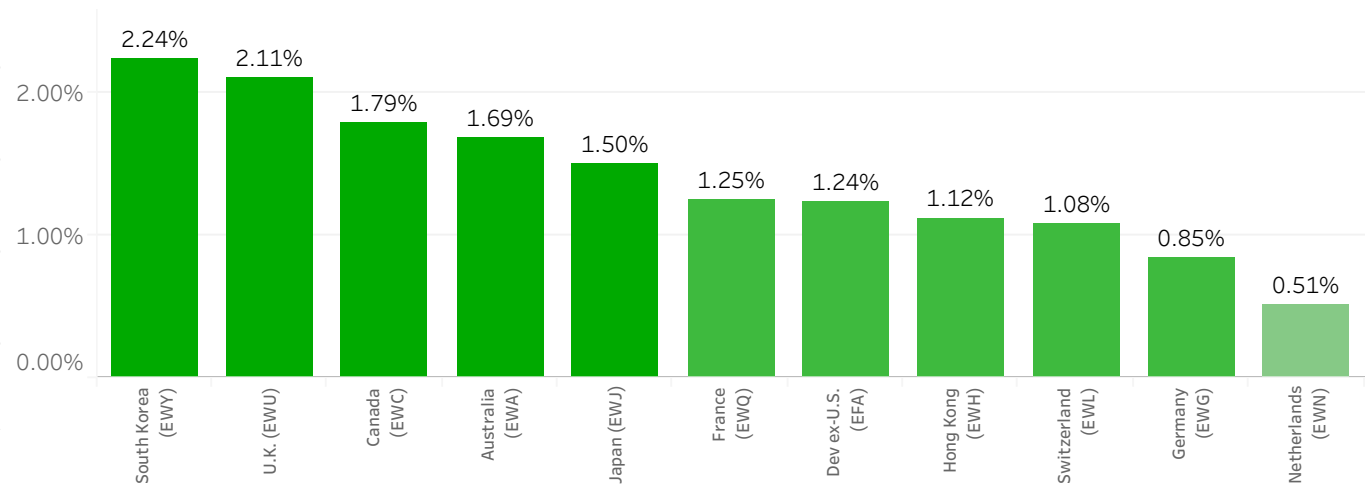


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

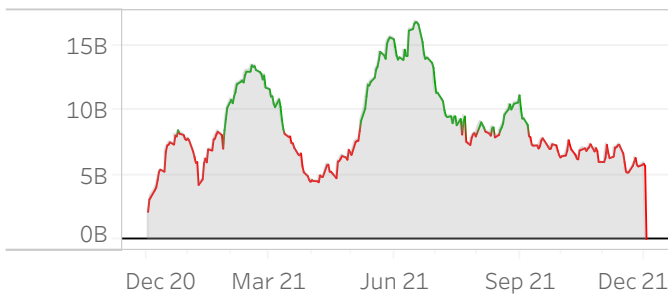
Developed ex-U.S. (EFA)



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



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



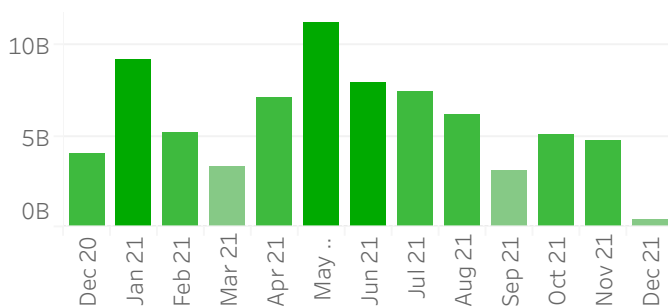
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	2.31%
EWY	iShares MSCI South Korea ETF	2.24%
FLKR	Franklin FTSE South Korea ETF	2.15%
EWU	iShares MSCI United Kingdom ETF	2.11%
FLGB	Franklin FTSE United Kingdom ETF	1.91%
IVLU	iShares MSCI Intl Value Factor ETF	1.83%
FNDF	Schwab Fundamental International Large Co. Index ETF	1.83%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.83%
EWC	iShares MSCI Canada ETF	1.79%
EFV	iShares MSCI EAFE Value ETF	1.78%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWY	iShares MSCI South Korea ETF	51.14
FLKR	Franklin FTSE South Korea ETF	50.41
EWL	iShares MSCI Switzerland ETF	45.44
EWU	iShares MSCI United Kingdom ETF	42.40
EWO	iShares MSCI Austria ETF	42.36
RFDI	First Trust Riverfront Dynamic Developed International E..	41.99
AIA	iShares Asia 50 ETF	41.96
IHDG	WisdomTree International Hedged Quality Dividend Grow..	41.38
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	40.96
FLGB	Franklin FTSE United Kingdom ETF	40.67

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	-0.70%
CIL	VictoryShares International Volatility Wtd ETF	-0.54%
EWS	iShares MSCI Singapore ETF	-0.36%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.28%
FGM	First Trust Germany AlphaDEX Fund	-0.13%
GREK	Global X MSCI Greece ETF	0.15%
FKU	First Trust United Kingdom AlphaDEX Fund	0.17%
FSZ	First Trust Switzerland AlphaDEX Fund	0.17%
IDHQ	Invesco S&P International Developed High Quality ETF	0.25%
EIS	iShares MSCI Israel ETF	0.29%

Developed ex-U.S. Most Oversold

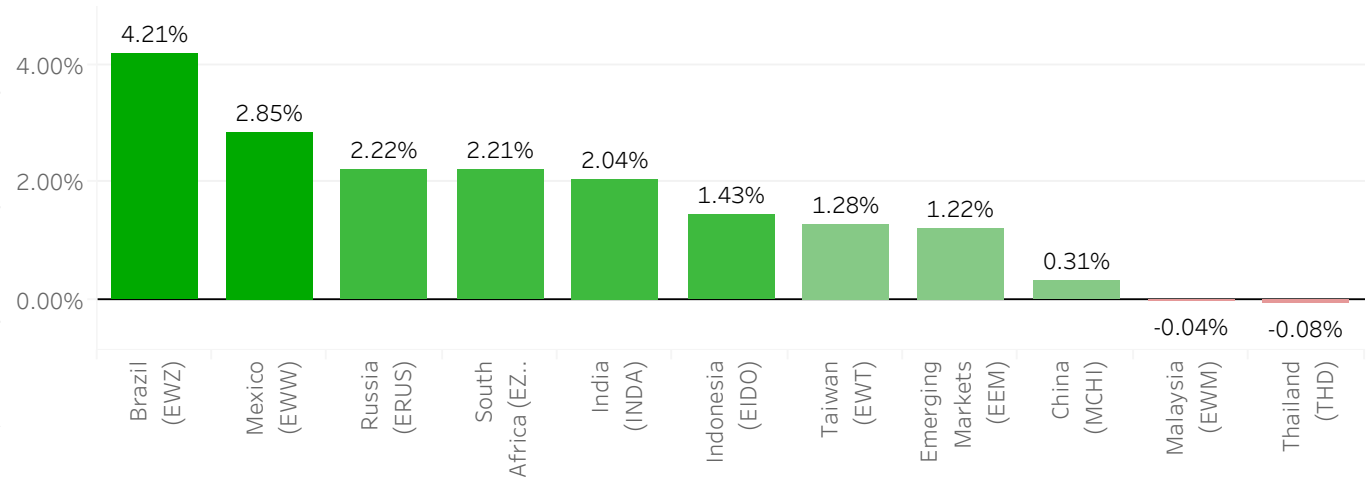
Ticker	Fund	Value
EWS	iShares MSCI Singapore ETF	19.74
FGM	First Trust Germany AlphaDEX Fund	22.70
EWSP	iShares MSCI Spain ETF	25.25
EDEN	iShares MSCI Denmark ETF	26.96
SCJ	iShares MSCI Japan Small-Cap ETF	26.98
EIRL	iShares MSCI Ireland ETF	27.18
GWX	SPDR S&P International Small Cap ETF	29.43
ISCF	iShares MSCI Intl Small-Cap Multifactor ETF	29.74
PDN	Invesco FTSE RAFI Developed Markets ex-US Small..	29.78
EWG	iShares MSCI Germany ETF	29.85

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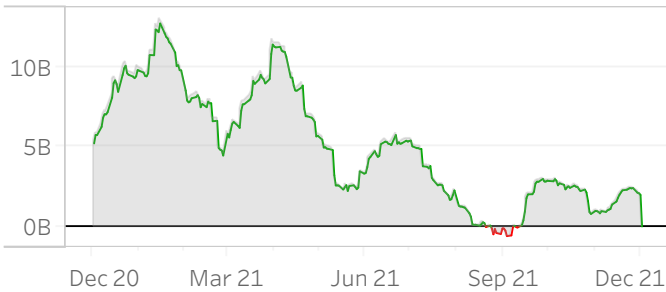
Emerging (EEM)



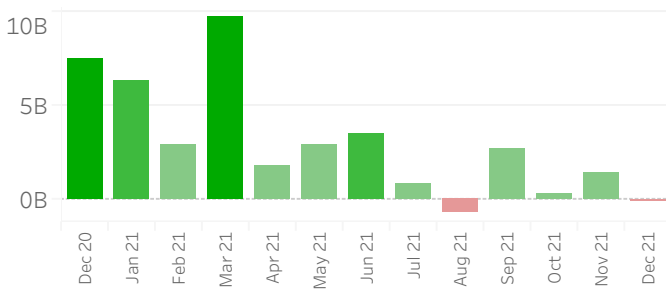
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
ILF	iShares Latin America 40 ETF	4.24%
EWZ	iShares MSCI Brazil ETF	4.21%
FLBR	Franklin FTSE Brazil ETF	4.09%
EWZS	iShares MSCI Brazil Small-Cap ETF	3.21%
EWW	iShares MSCI Mexico ETF	2.85%
PIN	Invesco India ETF	2.50%
GLIN	VanEck India Growth Leaders ETF	2.45%
DEM	WisdomTree Emerging Markets High Dividend Fund	2.41%
INDY	iShares India 50 ETF	2.34%
ERUS	iShares MSCI Russia ETF	2.22%

Emerging Most Overbought

Ticker	Fund	Value
EWT	iShares MSCI Taiwan ETF	60.51
VNM	VanEck Vietnam ETF	58.80
EYLD	Cambria Emerging Shareholder Yield ETF	53.07
KBA	KraneShares Boseria MSCI China A Share ETF	51.97
PIE	Invesco DWA Emerging Markets Momentum ETF	51.75
CNYA	iShares MSCI China A ETF	51.65
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	49.64
DEM	WisdomTree Emerging Markets High Dividend Fund	49.15
EMXC	iShares MSCI Emerging Markets ex China ETF	48.88
EMGF	iShares MSCI Emerging Markets Multifactor ETF	48.42

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-2.08%
ECNS	iShares MSCI China Small-Cap ETF	-1.69%
TUR	iShares MSCI Turkey ETF	-0.91%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.39%
FNI	First Trust Chindia ETF	-0.15%
THD	iShares MSCI Thailand ETF	-0.08%
QAT	iShares MSCI Qatar ETF	-0.05%
EWM	iShares MSCI Malaysia ETF	-0.04%
ECH	iShares MSCI Chile ETF	0.08%
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.09%

Emerging Most Oversold

Ticker	Fund	Value
THD	iShares MSCI Thailand ETF	28.01
FNI	First Trust Chindia ETF	29.66
PGJ	Invesco Golden Dragon China ETF	30.71
EWM	iShares MSCI Malaysia ETF	30.96
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	31.08
AFK	VanEck Africa Index ETF	32.84
MCHI	iShares MSCI China ETF	33.26
GXC	SPDR S&P China ETF	33.46
KSA	iShares MSCI Saudi Arabia ETF	34.01
TUR	iShares MSCI Turkey ETF	34.13

* 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	-0.02%	0.13%	-1.41%
SHY	1-3 Year Treasury Bonds	-0.13%	-0.23%	-0.62%
IEF	7-10 Year Treasury Bonds	-0.22%	0.83%	-2.85%
TLT	20+ Year Treasury Bonds	0.12%	3.82%	-1.92%
TIP	TIPS Bonds	0.29%	0.85%	5.23%
FLOT	Floating Rate Bonds	-0.02%	-0.13%	0.33%
LQD	Investment Grade Corporate	0.23%	-0.08%	-1.57%
HYG	High Yield Corporate	0.74%	-0.56%	2.19%
BKLN	Senior Loan	0.27%	-0.69%	1.13%
PFF	Preferred & Income Securities	0.50%	-1.79%	4.30%
MUB	Municipal Bonds	-0.14%	0.59%	0.89%
MBB	MBS	-0.07%	-0.40%	-1.36%
EMB	Dollar Denominated EM Bonds	0.59%	-0.47%	-3.07%
LEMB	Local Currency EM Bond	-0.06%	-3.35%	-10.78%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.81%	-9.59%	25.25%
DBE	Energy	1.64%	-15.52%	43.93%
USO	WTI Crude Oil	2.66%	-16.06%	46.29%
BNO	Brent Crude Oil	2.29%	-16.38%	45.89%
UNG	Natural Gas	-3.24%	-26.93%	46.30%
UGA	Gasoline	1.65%	-17.07%	49.49%
DBP	Precious Metals	-0.61%	-2.14%	-10.36%
GLD	Gold	-0.55%	-1.15%	-7.36%
SLV	Silver	0.58%	-5.09%	-15.79%
PPLT	Platinum	1.14%	-9.36%	-13.04%
PALL	Palladium	2.13%	-11.93%	-28.03%
DBB	Base Metals	-0.15%	-2.55%	19.52%
CPER	Copper	2.02%	-1.95%	20.56%
LD	Lead	-1.70%	-5.75%	14.24%
JJN	Nickel	1.30%	3.04%	19.16%
JJU	Aluminum	-1.07%	-2.78%	29.10%
JJT	Tin	-0.31%	6.60%	121.30%
DBA	Agriculture	1.71%	1.08%	21.81%
CORN	Corn	1.00%	-0.84%	36.59%
SOYB	Soybeans	1.22%	-1.69%	10.53%
WEAT	Wheat	3.31%	1.30%	26.17%
CANE	Sugar	-0.22%	-6.00%	32.30%
BAL	Cotton	-0.38%	-9.18%	30.60%
NIB	Cocoa	5.01%	-2.99%	-10.58%
JO	Coffee	3.03%	12.45%	72.74%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.04%	2.18%	6.35%
UDN	Short Dollar	0.00%	-2.42%	-7.40%
FXE	Euro	-0.09%	-2.50%	-8.38%
FXB	British Pound Sterling	0.29%	-2.32%	-3.09%
FXF	Swiss Franc	0.02%	-0.76%	-4.90%
FXJ	Japanese Yen	-0.31%	0.68%	-9.24%
FXC	Canadian Dollar	0.10%	-3.27%	-1.09%
FXA	Australian Dollar	-0.07%	-4.69%	-8.38%

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