

Large Cap Blend (S&P 500) IVV



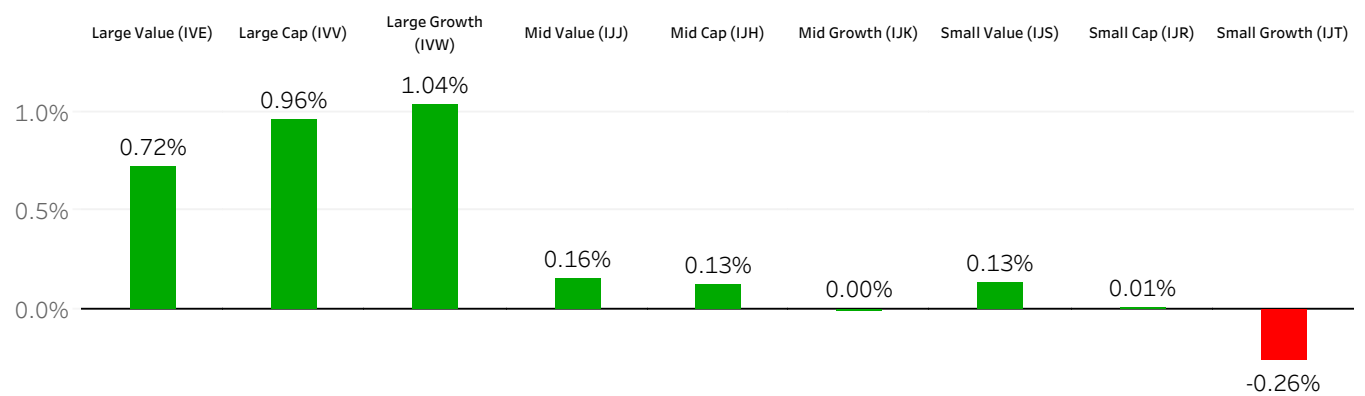
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
QQH	HCM Defender 100 Index ETF	1.77%
LGH	HCM Defender 500 Index ETF	1.53%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	1.49%
SPHQ	Invesco S&P 500 Quality ETF	1.45%
FTCS	First Trust Capital Strength ETF	1.39%
PWV	Invesco Dynamic Large Cap Value ETF	1.36%
USMC	Principal U.S. Mega-Cap ETF	1.36%
LRGF	iShares MSCI USA Multifactor ETF	1.35%
PKW	Invesco Buyback Achievers ETF	1.35%
VIG	Vanguard Dividend Appreciation ETF	1.30%

Size & Style Most Overbought

Ticker	Fund	Price
OUSA	OShares U.S. Quality Dividend ETF	67.65
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	66.70
DGRW	WisdomTree US Quality Dividend Growth Fund	65.42
QDEF	FlexShares Quality Dividend Defensive Index Fund	65.09
SPLV	Invesco S&P 500 Low Volatility ETF	64.51
DLN	WisdomTree U.S. LargeCap Dividend Fund	63.88
FDRR	Fidelity Dividend ETF for Rising Rates	63.36
HUSV	First Trust Horizon Managed Volatility Domestic ETF	63.36
VIG	Vanguard Dividend Appreciation ETF	63.19
QDF	FlexShares Quality Dividend Index Fund	63.18

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
MFMS	Motley Fool Small-Cap Growth ETF	-2.44%
IPO	Renaissance IPO ETF	-1.92%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-1.35%
BUZZ	VanEck Social Sentiment ETF	-1.29%
FPX	First Trust US Equity Opportunities ETF	-1.04%
CSD	Invesco S&P Spin-Off ETF	-0.96%
FNY	First Trust Mid Cap Growth AlphaDEX Fund	-0.84%
IWC	iShares Micro-Cap ETF	-0.80%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	-0.73%
GURU	Global X Guru Index ETF	-0.73%

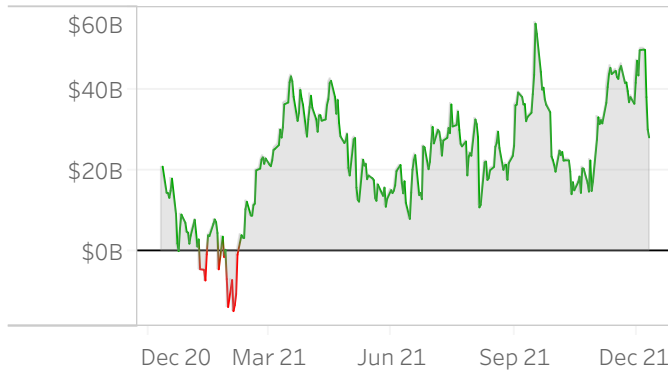
Size & Style Most Oversold

Ticker	Fund	Price
IPO	Renaissance IPO ETF	34.62
JSML	Janus Henderson Small Cap Growth Alpha ETF	36.60
BUZZ	VanEck Social Sentiment ETF	36.72
MFMS	Motley Fool Small-Cap Growth ETF	36.76
IWC	iShares Micro-Cap ETF	38.96
GURU	Global X Guru Index ETF	39.32
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	39.97
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	40.01
RFG	Invesco S&P Midcap 400 Pure Growth ETF	40.11
VTWG	Vanguard Russell 2000 Growth ETF	40.40

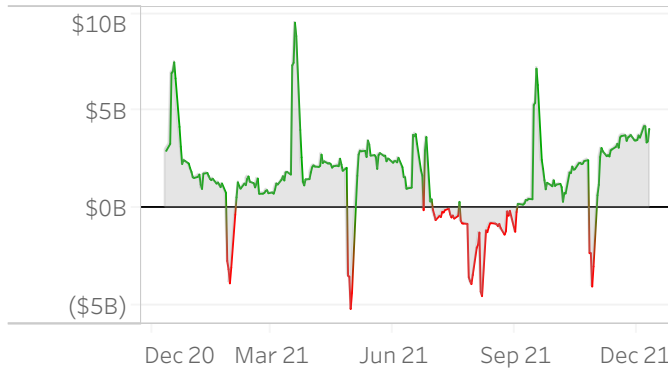
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

*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: Growth	10	\$279B	\$1.17B	\$3.14B	\$12.14B	\$8.25B
Large Cap, Beta Growth, Beta: Value	11	\$210B	\$1.09B	\$6.66B	\$8.29B	\$30.09B
Small Cap, Beta, Beta	12	\$223B	\$0.66B	\$8.35B	\$10.46B	\$22.78B
Small Cap, Beta, Beta: Growth	7	\$38B	\$0.31B	\$0.47B	\$0.80B	\$1.29B
Mid Cap, Beta, Beta: Value	6	\$43B	\$0.19B	\$0.80B	(\$0.20B)	\$3.90B
Mid Cap, Beta, Beta	10	\$194B	\$0.15B	\$4.87B	\$5.62B	\$10.55B
Small Cap, Beta, Beta: Value	7	\$58B	\$0.06B	\$0.63B	(\$0.64B)	\$6.95B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.34B)	\$0.75B	\$0.88B	(\$1.74B)
Large Cap, Beta Growth, Beta	24	\$1,376B	(\$2.24B)	\$38.50B	\$92.80B	\$126.84B

U.S. Size & Style Flow Leaders

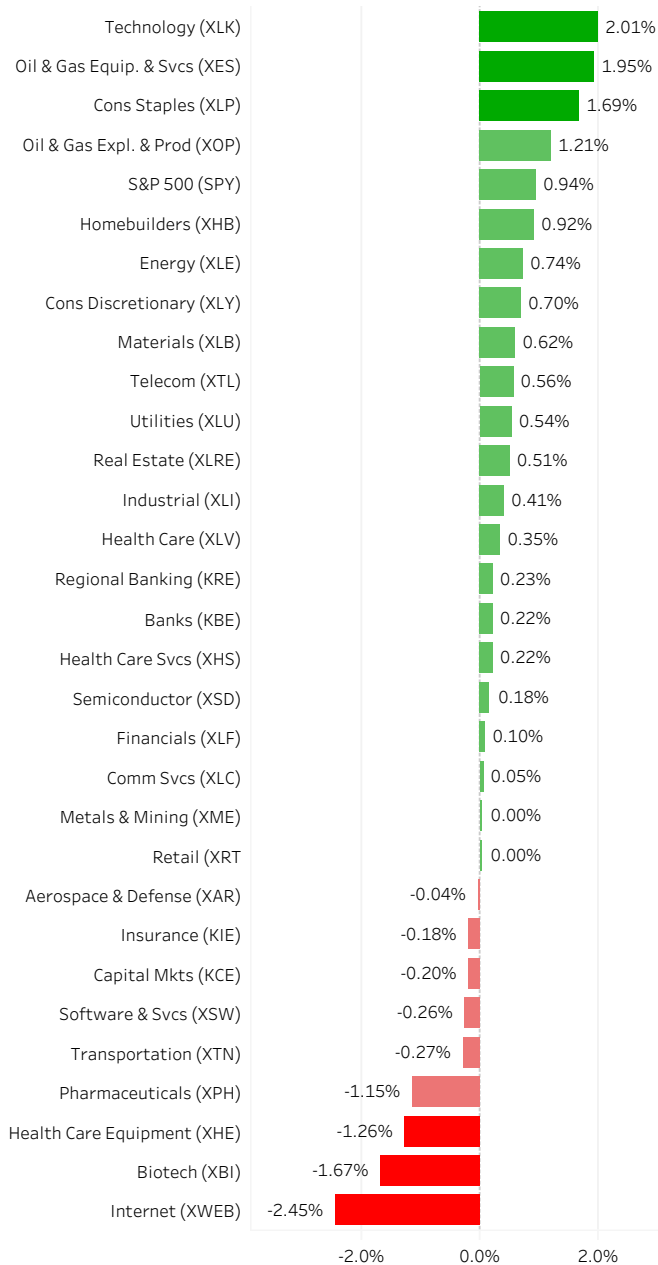
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$7.46B	\$11.98B	\$30.09B	\$26.24B	\$431.36B
VTI	Vanguard Total Stock Market ETF	\$2.60B	\$14.76B	\$25.97B	\$46.17B	\$293.94B
IVV	iShares Core S&P 500 ETF	\$2.08B	\$13.72B	\$21.13B	\$25.60B	\$330.39B
IWF	iShares Russell 1000 Growth ETF	\$0.89B	(\$0.34B)	\$1.51B	(\$2.10B)	\$78.21B
IWD	iShares Russell 1000 Value ETF	\$0.79B	\$2.56B	\$2.34B	\$5.78B	\$58.16B
VXF	Vanguard Extended Market ETF	\$0.62B	\$1.01B	\$1.30B	\$2.56B	\$18.03B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$0.53B	\$0.88B	\$1.10B	\$1.67B	\$8.52B
IUSG	iShares Core S&P U.S. Growth ETF	\$0.49B	\$0.19B	\$0.71B	\$0.43B	\$13.81B
IWM	iShares Russell 2000 ETF	\$0.39B	\$2.88B	\$3.01B	\$4.73B	\$68.73B
VIG	Vanguard Dividend Appreciation ETF	\$0.33B	\$1.43B	\$2.69B	\$4.02B	\$67.30B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$10.24B)	\$3.74B	\$15.76B	\$43.00B	\$269.20B
QQQ	Invesco QQQ Trust	(\$1.50B)	\$5.13B	\$17.07B	\$17.16B	\$206.93B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	(\$1.32B)	\$0.22B	\$0.32B	\$0.39B	\$1.98B
SCHD	Schwab US Dividend Equity ETF	(\$1.27B)	\$1.19B	\$3.19B	\$9.59B	\$29.36B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.60B)	\$0.06B	(\$0.60B)	\$0.30B	\$15.01B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	(\$0.55B)	\$0.02B	\$0.09B	(\$0.52B)	\$1.75B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.37B)	(\$0.46B)	(\$1.31B)	(\$0.50B)	\$20.89B
VV	Vanguard Large-Cap ETF	(\$0.16B)	\$0.43B	\$0.97B	\$1.24B	\$27.57B
VTWO	Vanguard Russell 2000 ETF	(\$0.08B)	\$0.84B	\$1.82B	\$3.74B	\$6.90B
RPV	Invesco S&P 500 Pure Value ETF	(\$0.08B)	\$0.13B	(\$0.35B)	\$1.36B	\$2.78B

* 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)
SPY	SPDR S&P 500 ETF Trust	0.00%	27.64%	3.01%	8.74%	58.44
XLK	Technology Select Sector SPDR Fund	0.00%	38.98%	7.29%	16.80%	63.62
XLP	Consumer Staples Select Sector SPDR Fund	0.00%	17.20%	3.57%	5.19%	64.51
XLRE	Real Estate Select Sector SPDR Fund	-0.77%	40.30%	3.44%	9.63%	57.22
XLU	Utilities Select Sector SPDR Fund	-1.31%	18.49%	3.60%	4.84%	62.58
XLI	Industrial Select Sector SPDR Fund	-1.65%	24.28%	1.31%	2.90%	54.75
XLV	Health Care Select Sector SPDR Fund	-1.66%	21.46%	2.57%	5.78%	62.83
XLB	Materials Select Sector SPDR Fund	-2.00%	25.00%	2.76%	5.45%	57.24
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.04%	31.55%	2.81%	12.52%	51.91
XLE	Energy Select Sector SPDR Fund	-3.21%	52.11%	0.48%	9.35%	53.73
XLF	Financial Select Sector SPDR Fund	-3.87%	34.89%	-1.07%	4.51%	48.76
XLC	Communication Services Select Sector SPDR Fund	-10.87%	17.85%	-3.48%	-3.61%	43.10

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLK	Technology Select Sector SPDR Fund	2.01%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.95%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	1.77%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.71%
XLP	Consumer Staples Select Sector SPDR Fund	1.69%
FTEC	Fidelity MSCI Information Technology Index ETF	1.66%
VDC	Vanguard Consumer Staples ETF	1.63%
VGT	Vanguard Information Technology ETF	1.62%
PSCE	Invesco S&P SmallCap Energy ETF	1.62%
IYW	iShares U.S. Technology ETF	1.51%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	73.19
XHB	SPDR S&P Homebuilders ETF	68.95
XLP	Consumer Staples Select Sector SPDR Fund	64.51
IYK	iShares U.S. Consumer Staples ETF	63.84
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	63.84
XLK	Technology Select Sector SPDR Fund	63.62
IGN	iShares North American Tech-Multimedia Networking E..	63.43
XLV	Health Care Select Sector SPDR Fund	62.83
XLU	Utilities Select Sector SPDR Fund	62.58
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	62.57

Sector & Industry 1 Day Performance Laggards

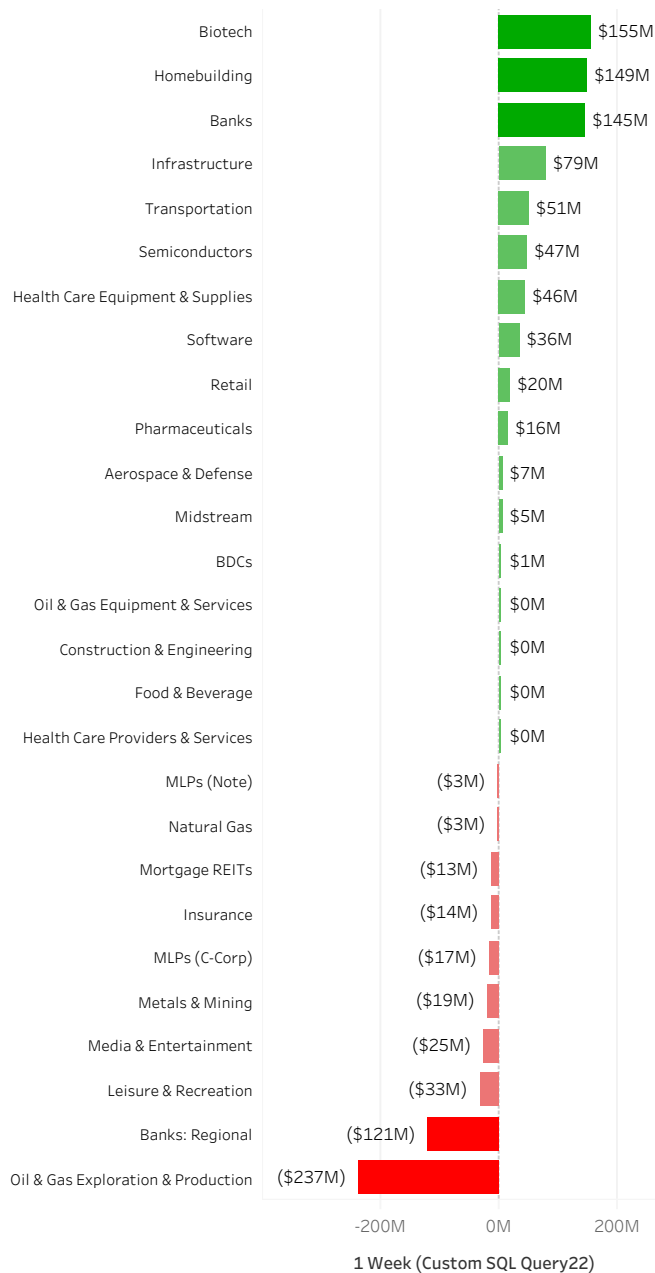
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-1.67%
IBB	iShares Biotechnology ETF	-1.52%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-1.46%
MORT	VanEck Mortgage REIT Income ETF	-1.43%
REM	iShares Mortgage Real Estate ETF	-1.40%
XHE	SPDR S&P Health Care Equipment ETF	-1.26%
XPH	SPDR S&P Pharmaceuticals ETF	-1.15%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.15%
PTH	Invesco DWA Healthcare Momentum ETF	-1.02%
RUFF	Alpha Dog ETF	-0.99%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	28.63
PJP	Invesco Dynamic Pharmaceuticals ETF	33.18
XBI	SPDR S&P BIOTECH ETF	35.48
AML	Alerian MLP ETF	35.80
PSCH	Invesco S&P SmallCap Health Care ETF	36.22
PBE	Invesco Dynamic Biotechnology & Genome ETF	36.59
PNQI	Invesco NASDAQ Internet ETF	37.37
MLPA	Global X MLP ETF	37.38
ENFR	Alerian Energy Infrastructure ETF	37.68
AMZA	InfraCap MLP ETF	37.70

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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	(\$169M)	(\$440M)	\$1,368M	\$1,223M
Consumer Discretionary	13	\$38B	\$354M	\$1,860M	\$1,403M	\$3,060M
Consumer Staples	12	\$21B	\$411M	(\$639M)	\$110M	(\$2,243M)
Energy	34	\$54B	\$56M	\$1,506M	(\$1,153M)	\$8,700M
Financials	28	\$82B	\$1,389M	\$2,517M	(\$1,743M)	\$19,997M
Health Care	26	\$90B	\$747M	\$908M	\$5,372M	\$4,330M
Industrial	14	\$35B	\$215M	(\$964M)	(\$4,402M)	(\$114M)
Materials	10	\$16B	\$27M	(\$806M)	(\$3,148M)	\$3,568M
Multi-Sector	17	\$26B	\$208M	\$1,371M	\$1,616M	\$4,313M
Real Estate	22	\$80B	\$204M	\$1,828M	\$5,629M	\$12,210M
Technology	24	\$158B	\$180M	\$4,291M	\$7,876M	\$6,699M
Utilities	10	\$21B	(\$132M)	(\$428M)	\$1,409M	\$22M

U.S. Sector & Industry Flow Leaders

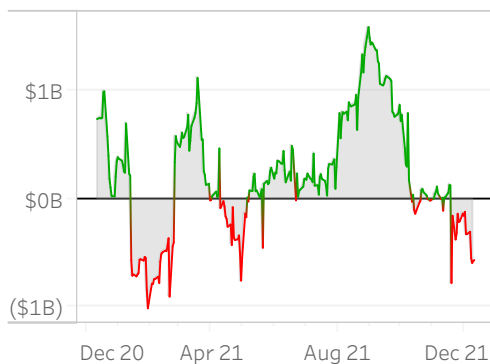
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$1,213M	\$1,254M	(\$2,338M)	\$9,495M	\$43,316M
IYW	iShares U.S. Technology ETF	\$427M	\$519M	\$1,309M	\$1,048M	\$10,088M
XLP	Consumer Staples Select Sector SPDR Fund	\$422M	(\$797M)	(\$167M)	(\$1,945M)	\$12,387M
XLV	Health Care Select Sector SPDR Fund	\$368M	\$29M	\$3,373M	\$3,281M	\$33,288M
IYC	iShares U.S. Consumer Discretionary ETF	\$190M	\$228M	\$7M	\$213M	\$1,661M
XLRE	Real Estate Select Sector SPDR Fund	\$151M	\$923M	\$1,933M	\$2,446M	\$5,523M
KBWB	Invesco KBW Bank ETF	\$143M	\$5M	\$295M	\$1,121M	\$3,033M
IYH	iShares U.S. Healthcare ETF	\$126M	\$97M	\$357M	\$230M	\$3,134M
VNQ	Vanguard Real Estate ETF	\$124M	\$1,343M	\$2,288M	\$6,502M	\$47,196M
FTXN	First Trust Nasdaq Oil & Gas ETF	\$119M	\$140M	\$126M	\$155M	\$185M

U.S. Sector & Industry Flow Laggards

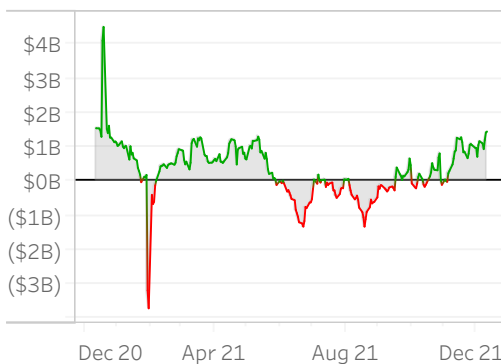
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FXL	First Trust Technology AlphaDEX Fund	(\$412M)	(\$387M)	(\$340M)	(\$625M)	\$2,391M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$238M)	(\$222M)	(\$1,249M)	(\$671M)	\$3,262M
XLU	Utilities Select Sector SPDR Fund	(\$177M)	(\$664M)	\$1,008M	(\$425M)	\$12,897M
KRE	SPDR S&P Regional Banking ETF	(\$124M)	(\$33M)	(\$655M)	\$2,105M	\$4,773M
IYR	iShares U.S. Real Estate ETF	(\$108M)	(\$1,517M)	(\$575M)	(\$256M)	\$6,332M
XLC	Communication Services Select Sector SPDR Fu..	(\$90M)	(\$439M)	\$677M	\$281M	\$13,877M
VOX	Vanguard Communication Services ETF	(\$43M)	(\$170M)	\$424M	\$553M	\$4,144M
PRN	Invesco DWA Industrials Momentum ETF	(\$34M)	(\$31M)	(\$76M)	\$61M	\$259M
PEJ	Invesco Dynamic Leisure & Entertainment ETF	(\$33M)	(\$26M)	(\$210M)	\$432M	\$1,279M
PBS	Invesco Dynamic Media ETF	(\$25M)	(\$33M)	(\$31M)	\$23M	\$76M

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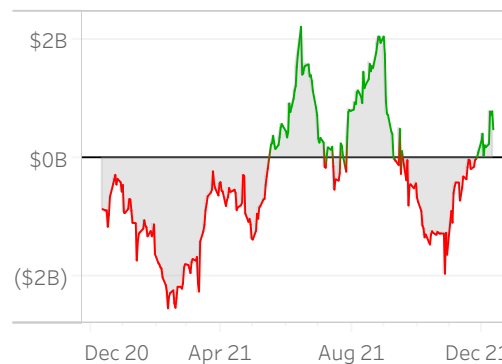
Communication Services



Consumer Discretionary



Consumer Staples



Energy



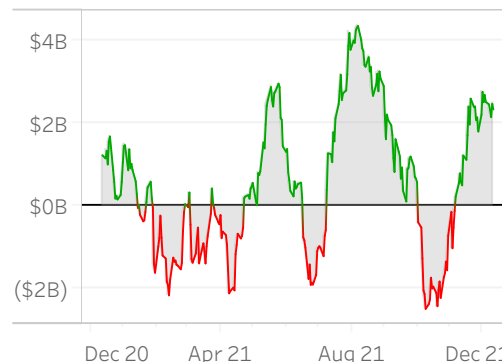
Financials



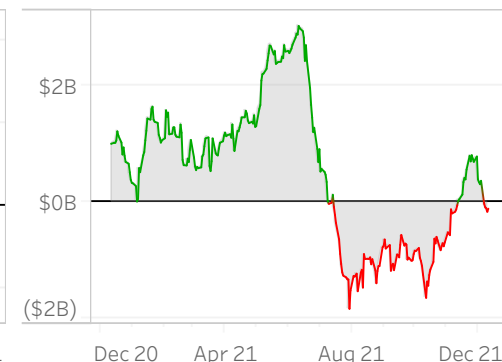
Industrial



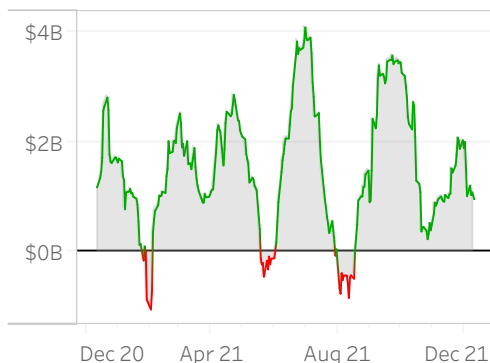
Health Care



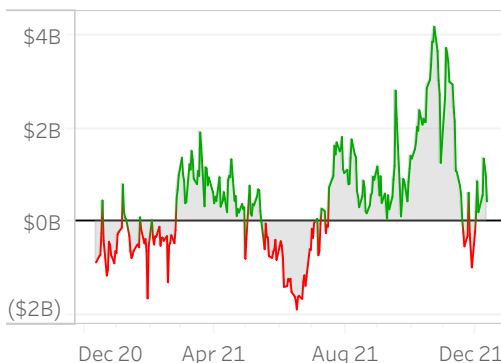
Materials



Real Estate



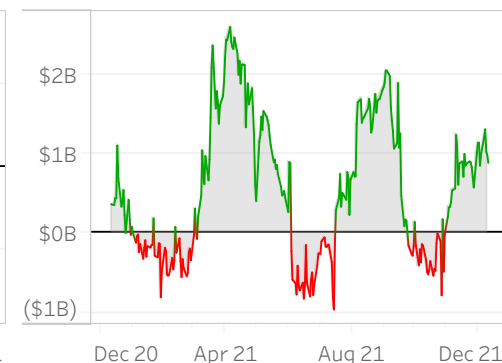
Technology



Utilities

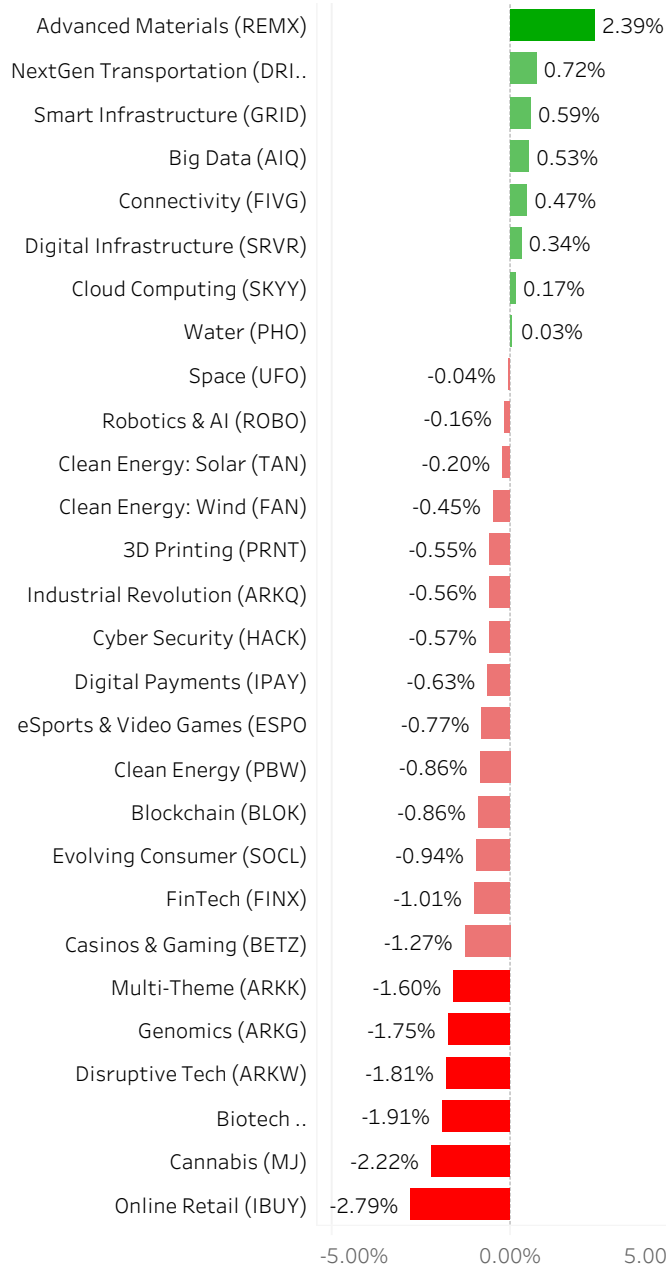


Multi-Sector

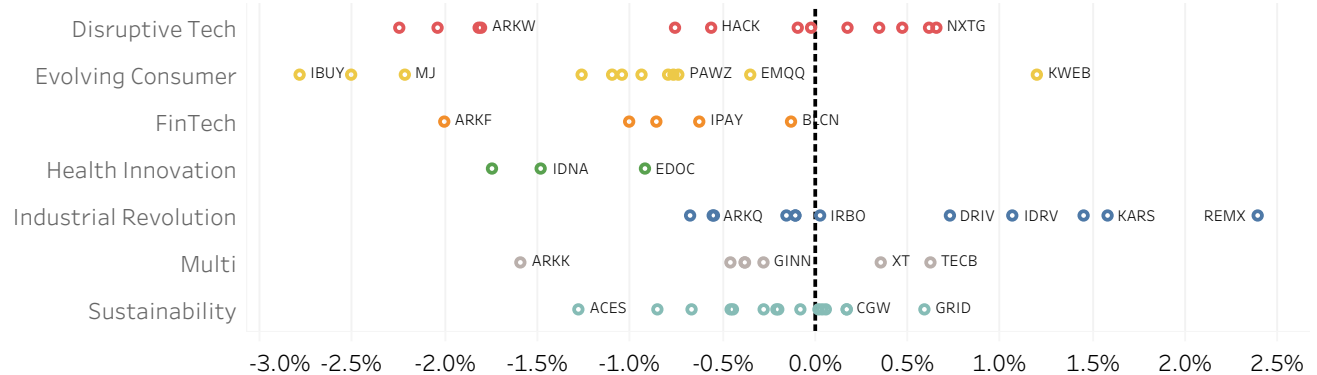


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
REMX	VanEck Rare Earth/Strategic Metals ETF	2.39%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.58%
LIT	Global X Lithium & Battery Tech ETF	1.45%
KWEB	KraneShares CSI China Internet ETF	1.19%
IDRV	iShares Self-driving EV & Tech ETF	1.06%
DRIV	Global X Autonomous & Electric Vehicles ETF	0.72%
KGRN	KraneShares MSCI China Clean Technology Index ETF	0.66%
NXTG	First Trust Indxx NextG ETF	0.65%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.64%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	0.62%

Thematic Most Overbought

Ticker	Fund	Value
NXTG	First Trust Indxx NextG ETF	59.56
PIO	Invesco Global Water ETF	58.41
EBLU	Ecofin Global Water ESG Fund	58.32
FIVG	Defiance Next Gen Connectivity ETF	56.44
CGW	Invesco S&P Global Water Index ETF	55.98
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	53.88
KSTR	KraneShares SSE STAR Market 50 Index ETF	53.67
IDRV	iShares Self-driving EV & Tech ETF	53.60
VPN	Global X Data Center REITs & Digital Infrastructure ETF	53.35
PHO	Invesco Water Resources ETF	53.25

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
POTX	Global X Cannabis ETF	-3.56%
IBUY	Amplify Online Retail ETF	-2.79%
BKCH	Global X Blockchain ETF	-2.68%
ONLN	ProShares Online Retail ETF	-2.51%
YOLO	AdvisorShares Pure Cannabis ETF	-2.46%
CLOU	Global X Cloud Computing ETF	-2.25%
MJ	ETFMG Alternative Harvest ETF	-2.22%
GERM	ETFMG Treatments Testing and Advancements ETF	-2.09%
THCX	Cannabis ETF	-2.07%
WCLD	WisdomTree Cloud Computing Fund	-2.04%

Thematic Most Oversold

Ticker	Fund	Value
IBUY	Amplify Online Retail ETF	27.64
ONLN	ProShares Online Retail ETF	29.89
ARKF	ARK Fintech Innovation ETF	31.27
ARKW	ARK Next Generation Internet ETF	32.12
DAPP	VanEck Digital Transformation ETF	32.50
EBIZ	Global X E-Commerce ETF	32.68
KEMQ	KraneShares Emerging Markets Consumer Technology In..	32.92
BITQ	Bitwise Crypto Industry Innovators ETF	32.96
FINX	Global X FinTech ETF	33.61
BKCH	Global X Blockchain ETF	33.63

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$92M
LIT	Global X Lithium & Battery Tech ETF	\$67M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$64M
META	Roundhill Ball Metaverse ETF	\$54M
MSOS	AdvisorShares Pure US Cannabis ETF	\$53M
ARKG	ARK Genomic Revolution ETF	\$48M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$40M
BLOK	Amplify Transformational Data Sharing ETF	\$40M
SARK	Tuttle Capital Short Innovation ETF	\$38M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$25M

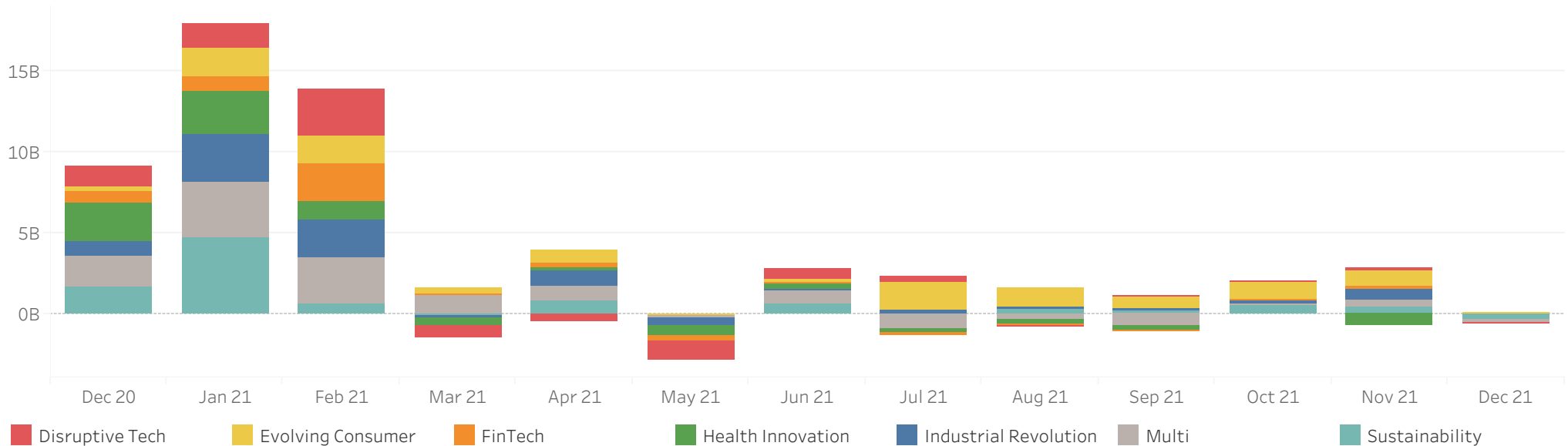
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$197M)
TAN	Invesco Solar ETF	(\$135M)
ICLN	iShares Global Clean Energy ETF	(\$78M)
ARKW	ARK Next Generation Internet ETF	(\$70M)
ARKF	ARK Fintech Innovation ETF	(\$55M)
PBW	Invesco WilderHill Clean Energy ETF	(\$48M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$39M)
IBUY	Amplify Online Retail ETF	(\$37M)
EDOC	Global X Telemedicine & Digital Health ETF	(\$34M)
EMQQ	Emerging Markets Internet & Ecommerce ETF	(\$15M)

Thematic Landscape Assets & Flows

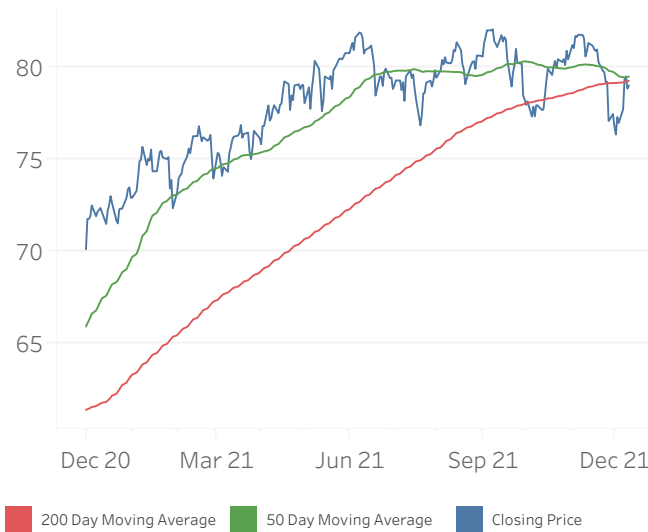
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$28B	\$26M	\$160M	\$1,117M	\$4,520M
Evolving Consumer	43	\$17B	(\$10M)	\$1,934M	\$5,868M	\$10,854M
FinTech	18	\$7B	\$10M	\$65M	(\$43M)	\$4,014M
Health Innovation	16	\$7B	\$114M	(\$923M)	(\$1,188M)	\$4,269M
Industrial Revolution	24	\$19B	\$89M	\$875M	\$1,503M	\$7,874M
Multi	28	\$26B	\$12M	\$84M	(\$429M)	\$9,355M
Sustainability	36	\$24B	(\$164M)	\$867M	\$1,950M	\$9,858M
Grand Total	202	\$127B	\$77M	\$3,062M	\$8,777M	\$50,744M

Thematic Monthly Flows

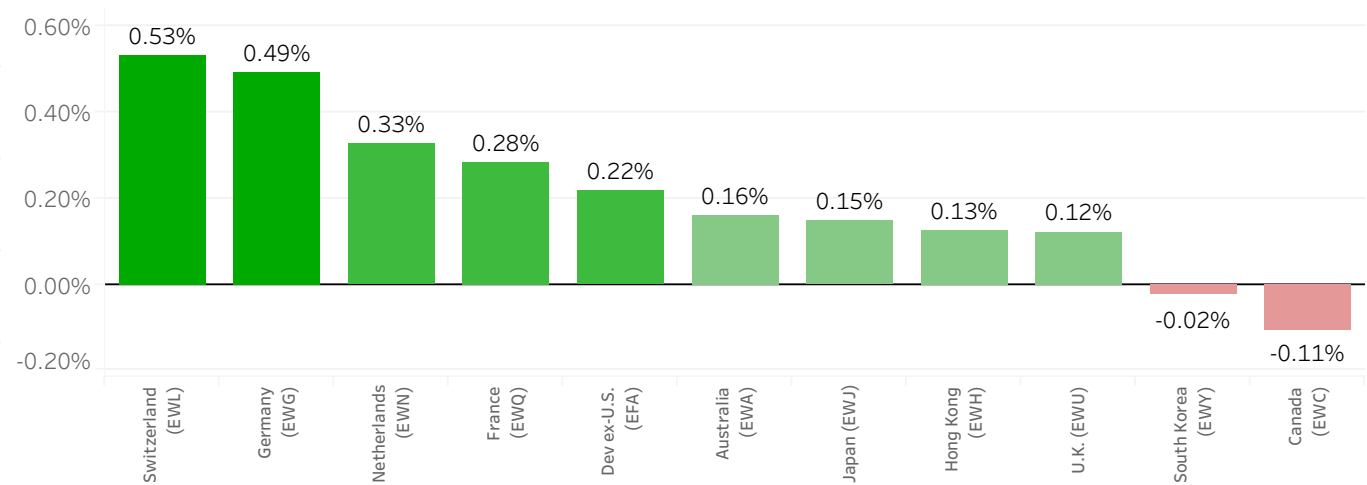


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

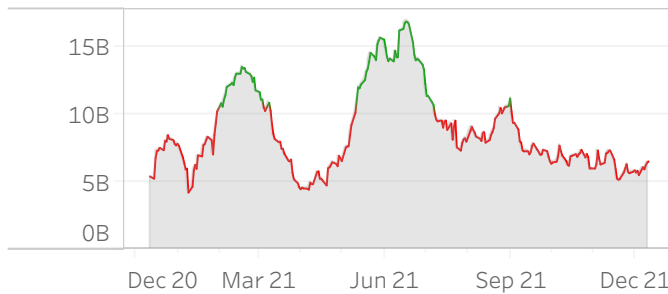
Developed ex-U.S. (EFA)



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



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



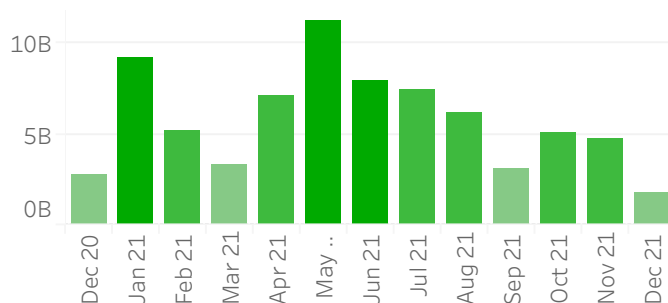
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	0.78%
ENOR	iShares MSCI Norway ETF	0.73%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.61%
DOO	WisdomTree International Dividend ex-Financials Fund	0.60%
DVYA	iShares Asia/Pacific Dividend ETF	0.60%
FKU	First Trust United Kingdom AlphaDEX Fund	0.59%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	0.56%
IDV	iShares International Select Dividend ETF	0.55%
EWL	iShares MSCI Switzerland ETF	0.53%
IDOG	ALPS International Sector Dividend Dogs ETF	0.52%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWL	iShares MSCI Switzerland ETF	62.60
EWY	iShares MSCI South Korea ETF	56.61
FLKR	Franklin FTSE South Korea ETF	55.95
LVHI	Legg Mason International Low Volatility High Dividend ETF	55.77
EFV	iShares MSCI EAFE Min Vol Factor ETF	55.31
DOO	WisdomTree International Dividend ex-Financials Fund	55.19
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	55.02
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	54.72
TOK	iShares MSCI Kokusai ETF	54.45
EUDG	WisdomTree Europe Quality Dividend Growth Fund	54.42

Developed ex-U.S. Monthly Flows



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

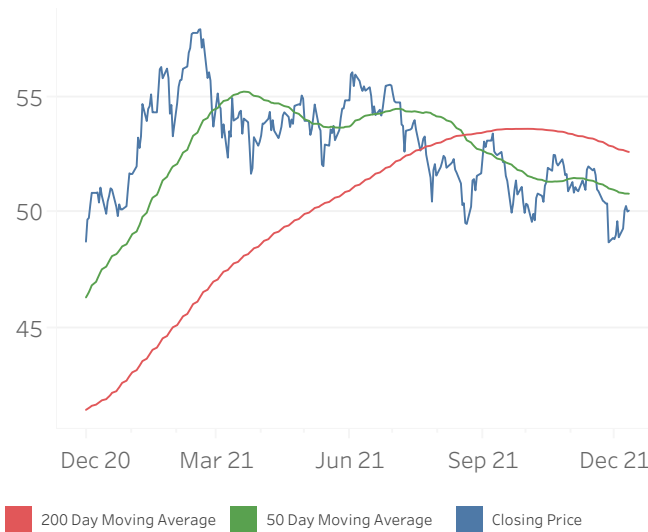
Ticker	Fund	1-Day Performance
FGM	First Trust Germany AlphaDEX Fund	-1.11%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.72%
ISRA	VanEck Israel ETF	-0.55%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.53%
EWS	iShares MSCI Singapore ETF	-0.53%
EDEN	iShares MSCI Denmark ETF	-0.50%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-0.37%
EIS	iShares MSCI Israel ETF	-0.33%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.20%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.20%

Developed ex-U.S. Most Oversold

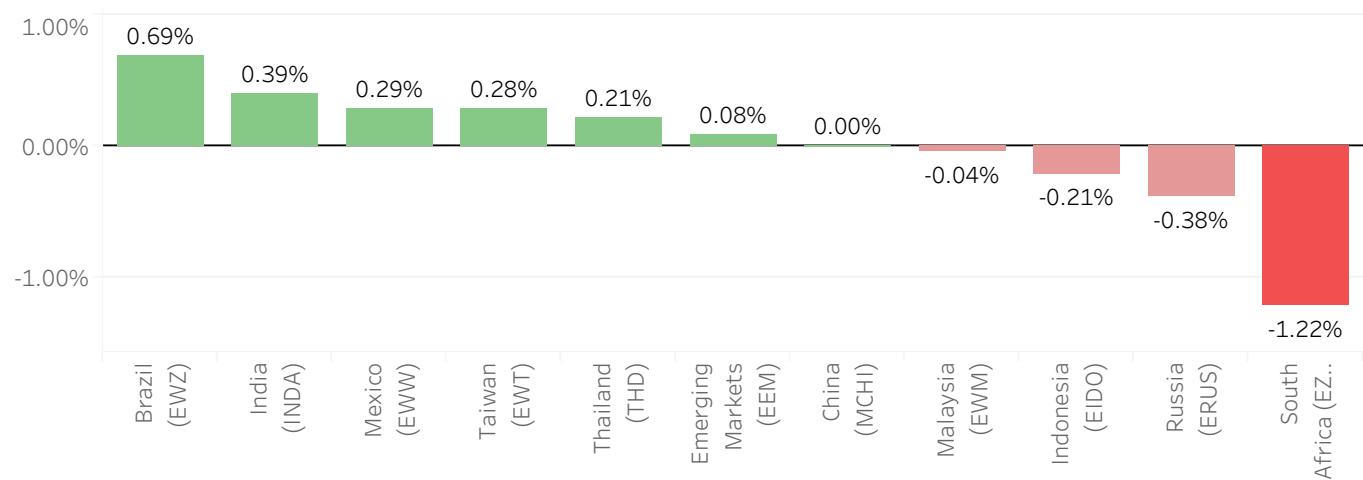
Ticker	Fund	Value
EWS	iShares MSCI Singapore ETF	33.88
EWP	iShares MSCI Spain ETF	35.18
SCHC	Schwab International Small-Cap Equity ETF	35.90
FGM	First Trust Germany AlphaDEX Fund	39.31
FNDC	Schwab Fundamental International Small Co. Index ..	39.53
EWUS	iShares MSCI United Kingdom Small Cap ETF	40.78
EWN	iShares MSCI Netherlands ETF	41.19
FNDF	Schwab Fundamental International Large Co. Index ..	41.47
SCHF	Schwab International Equity ETF	41.63
ENZL	iShares MSCI New Zealand ETF	42.04

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

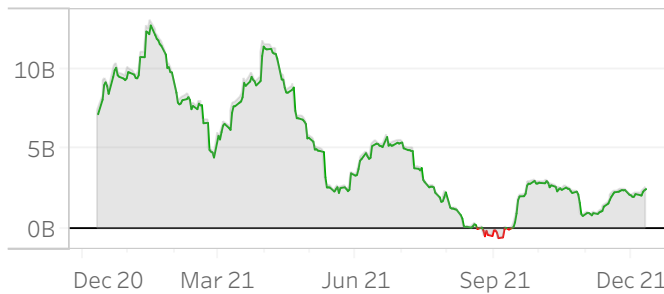
Emerging (EEM)



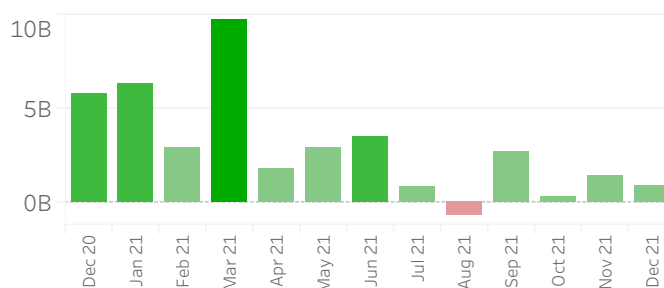
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	2.22%
SMIN	iShares MSCI India Small Cap ETF	1.16%
TUR	iShares MSCI Turkey ETF	1.07%
FLBR	Franklin FTSE Brazil ETF	0.80%
GLIN	VanEck India Growth Leaders ETF	0.76%
EWZ	iShares MSCI Brazil ETF	0.69%
EPI	WisdomTree India Earnings Fund	0.46%
NUEM	Nuveen ESG Emerging Markets Equity ETF	0.42%
IDX	VanEck Indonesia Index ETF	0.40%
INDA	iShares MSCI India ETF	0.39%

Emerging Most Overbought

Ticker	Fund	Value
KBA	KraneShares Bosera MSCI China A Share ETF	68.03
CNYA	iShares MSCI China A ETF	67.85
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	67.65
EWT	iShares MSCI Taiwan ETF	61.27
EDIV	SPDR S&P Emerging Markets Dividend ETF	59.35
DEM	WisdomTree Emerging Markets High Dividend Fund	56.76
PIE	Invesco DWA Emerging Markets Momentum ETF	56.75
EWZ	iShares MSCI Mexico ETF	56.70
UEVM	VictoryShares USAA MSCI Emerging Markets Value M..	56.67
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	55.89

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EZA	iShares MSCI South Africa ETF	-1.22%
AFK	VanEck Africa Index ETF	-0.83%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.81%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.69%
EPU	iShares MSCI Peru ETF	-0.66%
RSX	VanEck Russia ETF	-0.43%
ERUS	iShares MSCI Russia ETF	-0.38%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.37%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.25%
ADRE	Invesco BDRS Emerging Markets 50 ADR Index Fund	-0.24%

Emerging Most Oversold

Ticker	Fund	Value
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	19.78
KSA	iShares MSCI Saudi Arabia ETF	34.67
RSX	VanEck Russia ETF	37.46
PGJ	Invesco Golden Dragon China ETF	38.04
FNDE	Schwab Fundamental Emerging Markets Large Co. I..	38.26
ERUS	iShares MSCI Russia ETF	38.54
FNI	First Trust Chindia ETF	39.13
SCHE	Schwab Emerging Markets Equity ETF	39.45
EWM	iShares MSCI Malaysia ETF	39.60
ADRE	Invesco BDRS Emerging Markets 50 ADR Index Fund	40.59

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

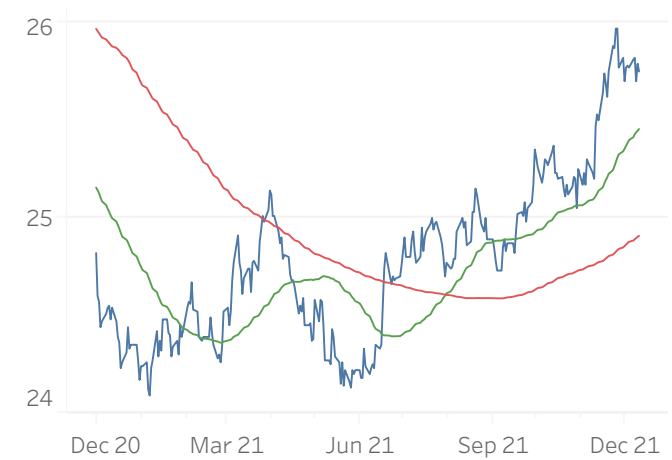
Fixed Income (AGG)



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	0.03%	-0.14%	-1.74%
SHY	1-3 Year Treasury Bonds	0.05%	-0.20%	-0.72%
IEF	7-10 Year Treasury Bonds	0.07%	0.59%	-3.13%
TLT	20+ Year Treasury Bonds	-0.24%	0.57%	-4.28%
TIP	TIPS Bonds	-0.01%	-1.30%	4.52%
FLOT	Floating Rate Bonds	0.00%	-0.25%	0.26%
LQD	Investment Grade Corporate	0.11%	-0.35%	-1.83%
HYG	High Yield Corporate	0.23%	-0.06%	2.94%
BKLN	Senior Loan	0.27%	-0.01%	1.87%
PFF	Preferred & Income Securities	0.10%	-0.19%	4.78%
MUB	Municipal Bonds	0.14%	0.26%	0.97%
MBB	MBS	0.00%	-0.18%	-1.50%
EMB	Dollar Denominated EM Bonds	0.02%	0.16%	-2.52%
LEMB	Local Currency EM Bond	0.22%	-2.80%	-10.08%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.83%	-5.87%	27.49%
DBE	Energy	1.95%	-6.85%	54.24%
USO	WTI Crude Oil	1.98%	-7.62%	57.62%
BNO	Brent Crude Oil	1.97%	-7.84%	57.07%
UNG	Natural Gas	2.67%	-22.41%	38.15%
UGA	Gasoline	1.78%	-4.48%	62.16%
DBP	Precious Metals	0.45%	-5.35%	-9.93%
GLD	Gold	0.42%	-3.79%	-6.60%
SLV	Silver	0.99%	-10.36%	-16.56%
PPLT	Platinum	0.63%	-11.99%	-12.89%
PALL	Palladium	-2.91%	-13.02%	-28.79%
DBB	Base Metals	-0.52%	1.01%	21.49%
CPER	Copper	-0.23%	-0.15%	20.61%
LD	Lead	1.10%	-1.20%	17.68%
JJN	Nickel	-0.03%	2.14%	18.54%
JJU	Aluminum	-0.38%	1.84%	29.15%
JJT	Tin	-0.18%	6.81%	121.90%
DBA	Agriculture	0.20%	1.18%	22.18%
CORN	Corn	-0.16%	1.10%	38.61%
SOYB	Soybeans	0.27%	2.95%	12.84%
WEAT	Wheat	0.80%	-3.45%	21.97%
CANE	Sugar	0.32%	-0.63%	39.85%
BAL	Cotton	-0.09%	-7.74%	34.04%
NIB	Cocoa	0.32%	-1.98%	-9.49%
JO	Coffee	-3.43%	11.06%	68.83%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.16%	1.10%	6.23%
UDN	Short Dollar	0.14%	-1.47%	-7.35%
FXE	Euro	0.19%	-1.51%	-8.27%
FXB	British Pound Sterling	0.37%	-1.07%	-3.33%
FXF	Swiss Franc	0.35%	-0.30%	-4.93%
FXJ	Japanese Yen	-0.05%	0.36%	-9.52%
FXC	Canadian Dollar	-0.12%	-1.92%	-0.48%
FXA	Australian Dollar	0.25%	-2.20%	-7.39%

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