

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

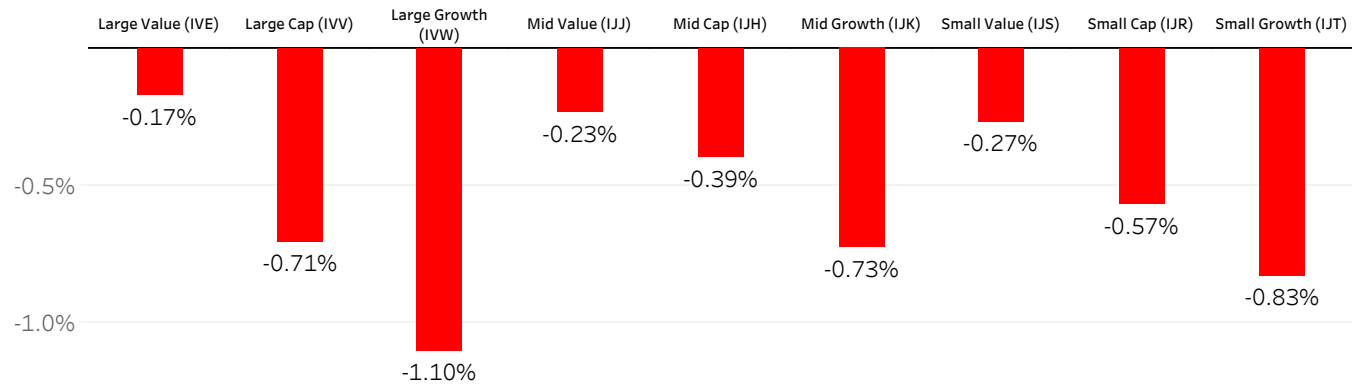


Small Cap Blend (S&P 600) IJR



■ 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	1-Day Performance
RPV	Invesco S&P 500 Pure Value ETF	0.50%
PWV	Invesco Dynamic Large Cap Value ETF	0.38%
SPVU	Invesco S&P 500 Enhanced Value ETF	0.37%
DUSA	Davis Select U.S. Equity ETF	0.36%
WBIY	WBI Power Factor High Dividend ETF	0.36%
QVAL	Alpha Architect U.S. Quantitative Value ETF	0.36%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.29%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.20%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.20%
SDOG	ALPS Sector Dividend Dogs ETF	0.19%

Size & Style Most Overbought

Ticker	Fund	Value
SPLV	Invesco S&P 500 Low Volatility ETF	64.17
LVHD	Legg Mason Low Volatility High Dividend ETF	63.86
OUSA	OShares U.S. Quality Dividend ETF	62.27
HUSV	First Trust Horizon Managed Volatility Domestic ETF	61.98
DGRW	WisdomTree US Quality Dividend Growth Fund	61.08
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	60.95
DEF	Invesco Defensive Equity ETF	59.67
FDL	First Trust Morningstar Dividend Leaders Index Fund	59.50
DLN	WisdomTree U.S. LargeCap Dividend Fund	59.11
RDIV	Invesco S&P Ultra Dividend Revenue ETF	59.08

Size & Style 1-Day Performance Laggards

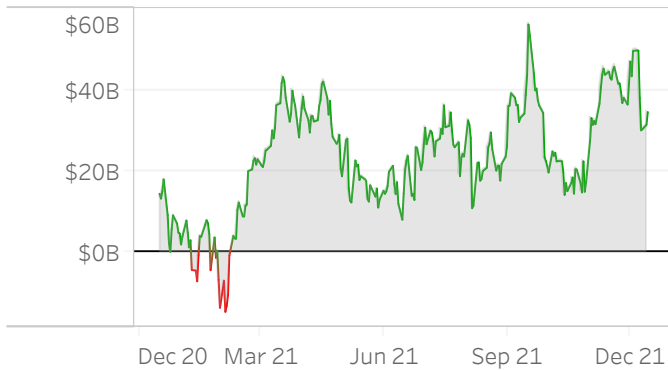
Ticker	Fund	1-Day Performance
LCG	Sterling Capital Focus Equity ETF	-2.18%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	-1.97%
AQGX	AI Quality Growth ETF	-1.95%
QQQN	VictoryShares Nasdaq Next 50 ETF	-1.87%
PWB	Invesco Dynamic Large Cap Growth ETF	-1.85%
NULG	Nuveen ESG Large-Cap Growth ETF	-1.82%
MFMS	Motley Fool Small-Cap Growth ETF	-1.81%
MMLG	First Trust Multi-Manager Large Growth ETF	-1.79%
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovation E..	-1.78%
FPX	First Trust US Equity Opportunities ETF	-1.75%

Size & Style Most Oversold

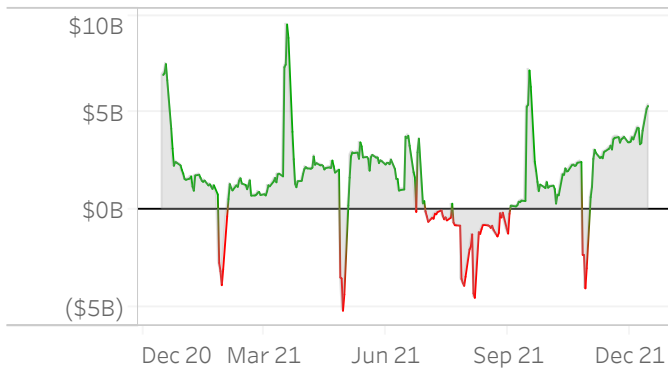
Ticker	Fund	Value
BIBL	Inspire 100 ETF	22.65
ISMD	Inspire Small/Mid Cap Impact ETF	27.86
BUZZ	VanEck Social Sentiment ETF	32.24
IPO	Renaissance IPO ETF	32.40
IWC	iShares Micro-Cap ETF	32.60
MFMS	Motley Fool Small-Cap Growth ETF	33.45
FFTY	Innovator IBD 50 ETF	33.65
JSML	Janus Henderson Small Cap Growth Alpha ETF	33.78
DYNF	BlackRock U.S. Equity Factor Rotation ETF	34.11
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	34.31

\* 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	\$1,386B	\$4.06B	\$44.33B	\$99.42B	\$138.17B
Small Cap, Beta, Beta	12	\$222B	\$3.50B	\$9.27B	\$11.29B	\$23.60B
Mid Cap, Beta, Beta	10	\$193B	\$1.63B	\$2.67B	\$4.70B	\$8.93B
Small Cap, Beta, Beta: Growth	7	\$39B	\$1.29B	\$0.33B	\$1.41B	\$0.96B
Large Cap, Beta Growth, Beta: Value	11	\$211B	\$1.19B	\$6.88B	\$6.93B	\$30.20B
Small Cap, Beta, Beta: Value	7	\$58B	\$1.18B	\$1.55B	(\$0.11B)	\$7.18B
Large Cap, Beta Growth, Beta: Growth	10	\$277B	\$0.79B	(\$0.66B)	\$7.99B	\$6.39B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.23B	\$0.59B	(\$0.43B)	\$3.89B
Mid Cap, Beta, Beta: Growth	6	\$41B	\$0.21B	(\$0.34B)	\$0.51B	(\$2.57B)

### U.S. Size & Style Flow Leaders

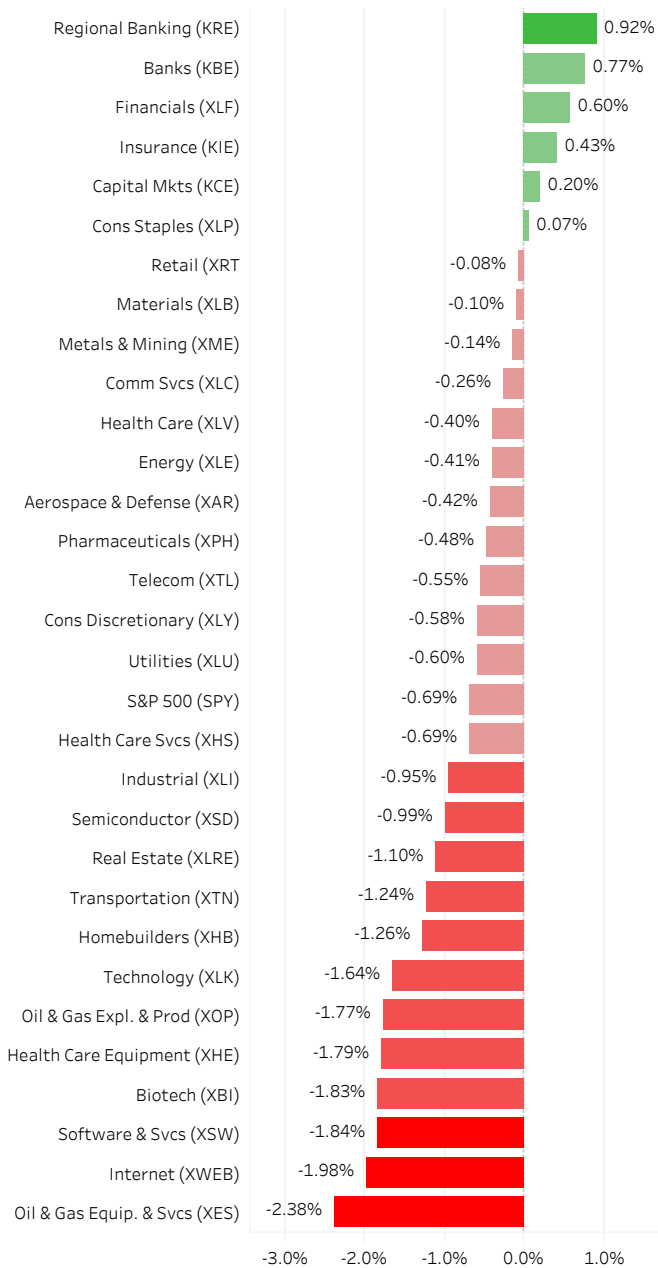
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$11.32B	\$16.42B	\$38.33B	\$38.28B	\$440.09B
VB	Vanguard Small-Cap ETF	\$2.46B	\$2.04B	\$3.74B	\$6.27B	\$51.09B
IVV	iShares Core S&P 500 ETF	\$2.02B	\$15.17B	\$20.50B	\$24.55B	\$330.99B
VTI	Vanguard Total Stock Market ETF	\$1.33B	\$9.56B	\$22.16B	\$43.24B	\$291.91B
VBR	Vanguard Small Cap Value ETF	\$1.08B	\$1.70B	\$1.94B	\$4.35B	\$27.00B
VBK	Vanguard Small-Cap Growth ETF	\$1.04B	\$0.22B	\$1.31B	\$0.92B	\$16.89B
VO	Vanguard Mid-Cap ETF	\$0.93B	(\$0.18B)	\$2.57B	\$3.74B	\$56.60B
IWM	iShares Russell 2000 ETF	\$0.77B	\$3.47B	\$2.84B	\$6.17B	\$67.60B
IWD	iShares Russell 1000 Value ETF	\$0.54B	\$2.62B	\$2.41B	\$5.59B	\$57.90B
VTV	Vanguard Value ETF	\$0.51B	\$2.64B	\$3.34B	\$14.43B	\$90.05B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$8.11B)	\$4.11B	\$17.10B	\$43.48B	\$269.97B
SCHD	Schwab US Dividend Equity ETF	(\$1.28B)	\$1.20B	\$3.17B	\$9.59B	\$29.61B
QQQ	Invesco QQQ Trust	(\$1.19B)	\$4.87B	\$14.88B	\$17.14B	\$206.42B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.47B)	(\$2.00B)	(\$2.59B)	(\$1.09B)	\$29.27B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.28B)	(\$0.11B)	(\$1.02B)	\$0.10B	\$14.72B
PSC	Principal U.S. Small-Cap Multi-Factor ETF	(\$0.18B)	(\$0.39B)	(\$0.40B)	\$0.11B	\$1.20B
VV	Vanguard Large-Cap ETF	(\$0.16B)	\$0.28B	\$0.89B	\$1.27B	\$27.57B
USMC	Principal U.S. Mega-Cap ETF	(\$0.15B)	(\$0.34B)	(\$0.31B)	(\$0.31B)	\$1.83B
IWB	iShares Russell 1000 ETF	(\$0.12B)	(\$0.71B)	(\$0.49B)	(\$0.42B)	\$31.18B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	(\$0.08B)	\$0.02B	\$0.09B	(\$0.52B)	\$1.73B

\* 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)
XLP	Consumer Staples Select Sector SPDR Fund	0.00%	18.82%	4.63%	6.48%	69.17
XLU	Utilities Select Sector SPDR Fund	-0.70%	19.23%	3.93%	5.35%	63.03
XLRE	Real Estate Select Sector SPDR Fund	-1.10%	40.62%	3.25%	9.57%	56.47
XLV	Health Care Select Sector SPDR Fund	-1.13%	22.11%	2.81%	6.16%	63.75
SPY	SPDR S&P 500 ETF Trust	-1.57%	25.64%	1.09%	6.84%	50.58
XLB	Materials Select Sector SPDR Fund	-2.69%	24.12%	1.70%	4.57%	53.61
XLK	Technology Select Sector SPDR Fund	-3.10%	34.67%	3.40%	12.85%	52.18
XLI	Industrial Select Sector SPDR Fund	-3.59%	21.82%	-0.87%	0.77%	45.48
XLF	Financial Select Sector SPDR Fund	-4.33%	34.23%	-1.61%	3.87%	47.40
XLY	Consumer Discretionary Select Sector SPDR Fund	-6.09%	27.41%	-0.80%	8.75%	42.58
XLE	Energy Select Sector SPDR Fund	-6.29%	47.28%	-2.76%	5.82%	45.21
XLC	Communication Services Select Sector SPDR Fund	-11.56%	16.93%	-4.03%	-4.41%	40.33

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWB	Invesco KBW Bank ETF	1.06%
IAT	iShares U.S. Regional Banks ETF	1.03%
KRE	SPDR S&P Regional Banking ETF	0.92%
IAK	iShares U.S. Insurance ETF	0.79%
FTXO	First Trust Nasdaq Bank ETF	0.78%
KBE	SPDR S&P Bank ETF	0.77%
IAI	iShares U.S. Broker-Dealers & Securities Exchange..	0.76%
KBWP	Invesco KBW Property & Casualty Insurance ETF	0.73%
FXO	First Trust Financials AlphaDEX Fund	0.62%
XLF	Financial Select Sector SPDR Fund	0.60%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLP	Consumer Staples Select Sector SPDR Fund	69.17
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	66.52
VDC	Vanguard Consumer Staples ETF	66.10
IYK	iShares U.S. Consumer Staples ETF	65.91
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	65.71
XLV	Health Care Select Sector SPDR Fund	63.75
XLU	Utilities Select Sector SPDR Fund	63.03
RYU	Invesco S&P 500 Equal Weight Utilities ETF	62.81
VPU	Vanguard Utilities ETF	62.49
FUTY	Fidelity MSCI Utilities Index ETF	62.45

### Sector & Industry 1 Day Performance Laggards

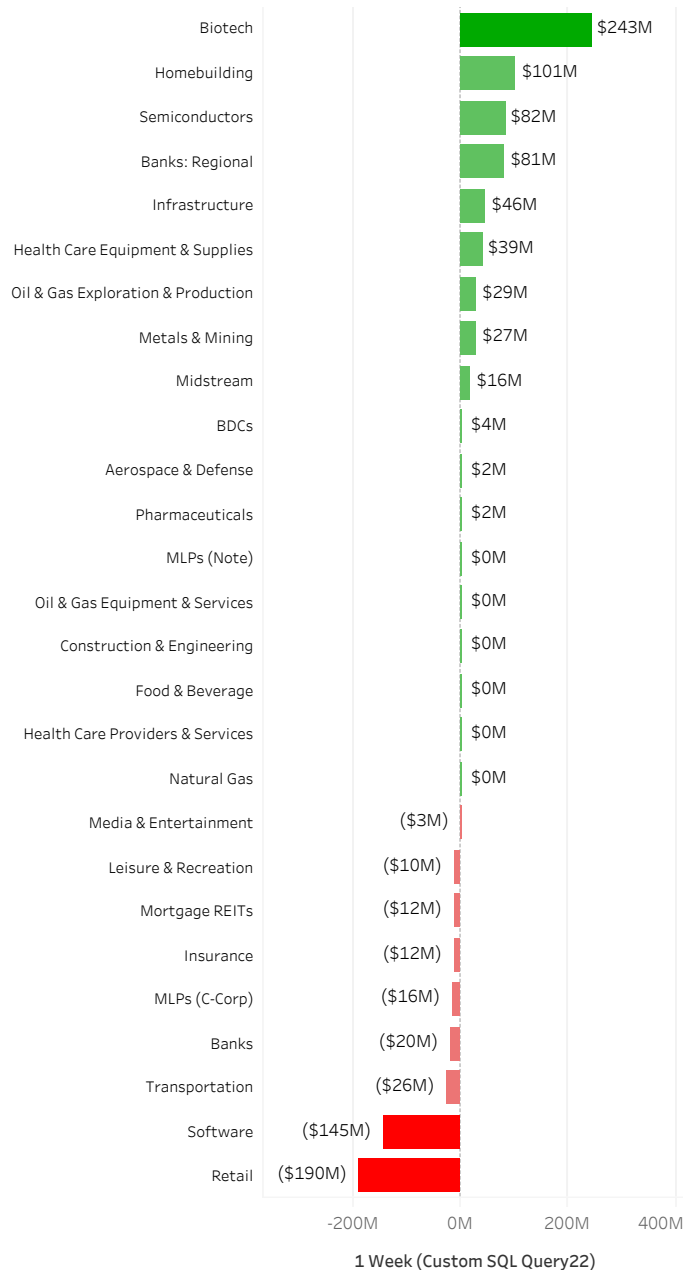
Ticker	Fund	1 Day Performance
IGV	iShares Expanded Tech-Software Sector ETF	-3.29%
PTH	Invesco DWA Healthcare Momentum ETF	-3.11%
PSCE	Invesco S&P SmallCap Energy ETF	-2.69%
PTF	Invesco DWA Technology Momentum ETF	-2.63%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.38%
IHI	iShares U.S. Medical Devices ETF	-2.22%
PSJ	Invesco Dynamic Software ETF	-2.06%
MORT	VanEck Mortgage REIT Income ETF	-2.02%
IEZ	iShares U.S. Oil Equipment & Services ETF	-1.91%
XSW	SPDR S&P Software & Services ETF	-1.84%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REM	iShares Mortgage Real Estate ETF	29.05
AMLX	Alerian MLP ETF	30.00
MLPA	Global X MLP ETF	30.89
AMZA	InfraCap MLP ETF	31.15
XPH	SPDR S&P Pharmaceuticals ETF	31.38
ENFR	Alerian Energy Infrastructure ETF	32.46
MLPX	Global X MLP & Energy Infrastructure ETF	32.84
PNQI	Invesco NASDAQ Internet ETF	33.14
PBS	Invesco Dynamic Media ETF	33.31
MORT	VanEck Mortgage REIT Income ETF	33.43

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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	\$166M	(\$430M)	\$1,356M	\$1,275M
Consumer Discretionary	13	\$38B	(\$221M)	\$1,900M	\$1,507M	\$2,956M
Consumer Staples	12	\$22B	\$121M	(\$414M)	\$309M	(\$2,011M)
Energy	34	\$53B	\$726M	\$1,861M	(\$328M)	\$9,632M
Financials	28	\$81B	\$40M	\$2,976M	(\$1,129M)	\$20,379M
Health Care	26	\$90B	\$466M	\$699M	\$5,319M	\$4,140M
Industrial	14	\$34B	(\$269M)	(\$1,445M)	(\$4,592M)	(\$704M)
Materials	10	\$16B	\$45M	(\$742M)	(\$3,172M)	\$3,573M
Multi-Sector	17	\$26B	\$136M	\$1,412M	\$1,669M	\$4,391M
Real Estate	22	\$81B	\$367M	\$1,815M	\$5,607M	\$12,155M
Technology	24	\$158B	(\$431M)	\$3,462M	\$7,934M	\$6,629M
Utilities	10	\$21B	(\$366M)	(\$667M)	\$1,275M	(\$49M)

### U.S. Sector & Industry Flow Leaders

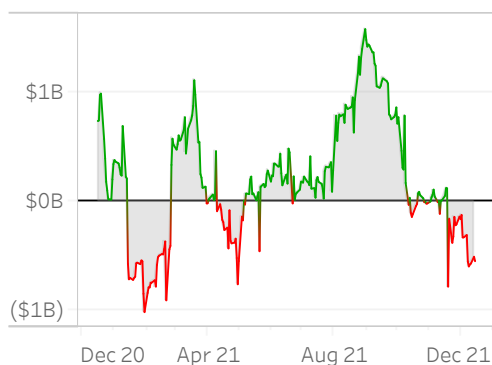
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FTXN	First Trust Nasdaq Oil & Gas ETF	\$784M	\$823M	\$808M	\$838M	\$852M
XLK	Technology Select Sector SPDR Fund	\$268M	\$1,320M	\$2,122M	\$1,166M	\$51,372M
IBB	iShares Biotechnology ETF	\$219M	\$200M	(\$176M)	(\$267M)	\$9,807M
XLV	Health Care Select Sector SPDR Fund	\$214M	(\$159M)	\$3,212M	\$3,170M	\$33,556M
VNQ	Vanguard Real Estate ETF	\$214M	\$1,533M	\$2,425M	\$6,560M	\$47,915M
XLP	Consumer Staples Select Sector SPDR Fund	\$192M	(\$586M)	\$18M	(\$1,719M)	\$12,955M
XLC	Communication Services Select Sector SPDR Fu..	\$116M	(\$458M)	\$637M	\$301M	\$13,834M
KRE	SPDR S&P Regional Banking ETF	\$81M	\$217M	(\$358M)	\$2,236M	\$4,782M
IYR	iShares U.S. Real Estate ETF	\$73M	(\$1,644M)	(\$650M)	(\$380M)	\$6,250M
XHB	SPDR S&P Homebuilders ETF	\$65M	\$311M	\$191M	\$438M	\$2,356M

### U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FXL	First Trust Technology AlphaDEX Fund	(\$742M)	(\$751M)	(\$704M)	(\$978M)	\$2,028M
XLU	Utilities Select Sector SPDR Fund	(\$369M)	(\$791M)	\$888M	(\$489M)	\$13,045M
XLI	Industrial Select Sector SPDR Fund	(\$254M)	(\$1,367M)	(\$3,422M)	(\$2,473M)	\$17,020M
XRT	SPDR S&P Retail ETF	(\$190M)	(\$359M)	(\$3M)	(\$184M)	\$640M
IGV	iShares Expanded Tech-Software Sector ETF	(\$139M)	\$478M	\$675M	(\$427M)	\$5,988M
XLE	Energy Select Sector SPDR Fund	(\$97M)	(\$45M)	(\$458M)	\$5,371M	\$25,752M
VDC	Vanguard Consumer Staples ETF	(\$71M)	\$222M	\$328M	\$50M	\$6,407M
XLF	Financial Select Sector SPDR Fund	(\$64M)	\$1,372M	(\$2,160M)	\$9,738M	\$42,906M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$62M)	\$1,850M	\$1,160M	\$717M	\$23,489M
VHT	Vanguard Health Care ETF	(\$52M)	\$304M	\$1,213M	\$1,845M	\$16,873M

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

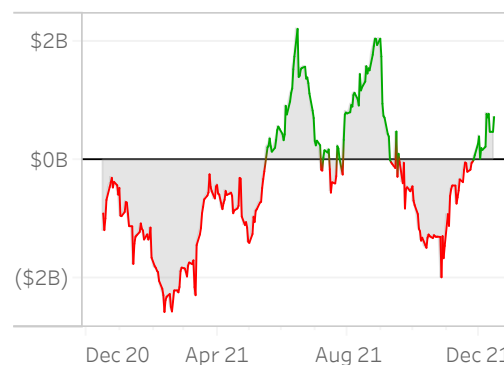
Communication Services



Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



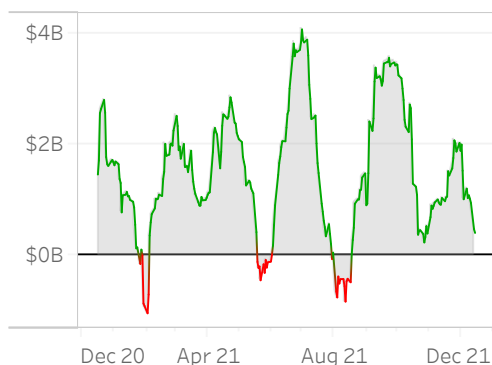
Health Care



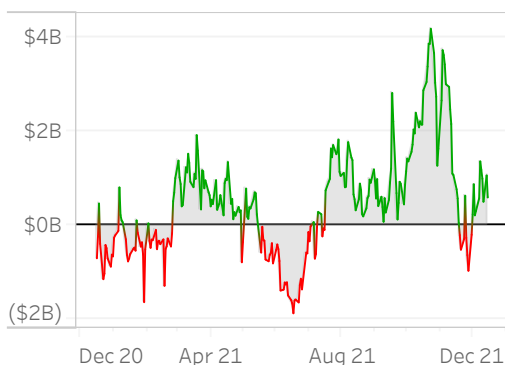
Materials



Real Estate



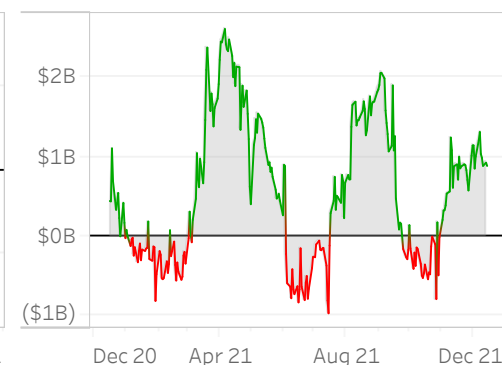
Technology



Utilities

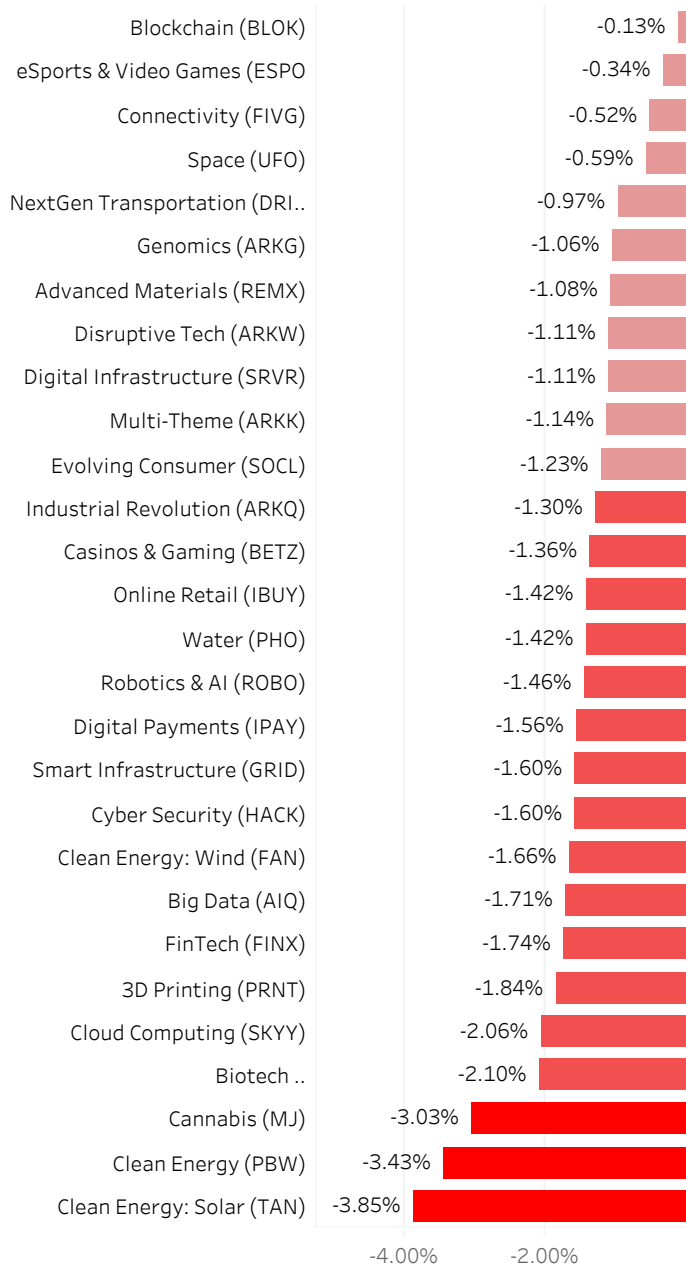


Multi-Sector

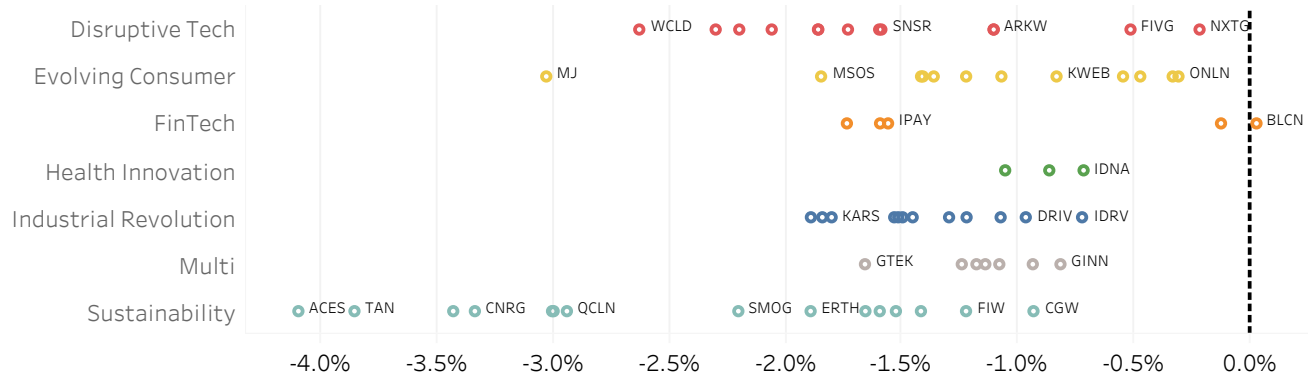


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DAPP	VanEck Digital Transformation ETF	0.23%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.16%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	0.02%
BLOK	Amplify Transformational Data Sharing ETF	-0.13%
NXTG	First Trust Indxx NextG ETF	-0.22%
BITQ	Bitwise Crypto Industry Innovators ETF	-0.22%
ONLN	ProShares Online Retail ETF	-0.31%
ESPO	VanEck Video Gaming and eSports ETF	-0.34%
BKCH	Global X Blockchain ETF	-0.37%
BTEC	Principal Healthcare Innovators ETF	-0.41%

## Thematic Most Overbought

Ticker	Fund	Value
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	53.13
NXTG	First Trust Indxx NextG ETF	52.98
KSTR	KraneShares SSE STAR Market 50 Index ETF	51.84
FIVG	Defiance Next Gen Connectivity ETF	50.45
EBLU	Ecofin Global Water ESG Fund	49.69
PIO	Invesco Global Water ETF	49.04
VPN	Global X Data Center REITs & Digital Infrastructure ETF	48.82
CGW	Invesco S&P Global Water Index ETF	48.10
PHO	Invesco Water Resources ETF	47.14
FIW	First Trust Water ETF	46.06

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ACES	ALPS Clean Energy ETF	-4.10%
TAN	Invesco Solar ETF	-3.85%
THCX	Cannabis ETF	-3.58%
POTX	Global X Cannabis ETF	-3.48%
CTEC	Global X CleanTech ETF	-3.44%
PBW	Invesco WilderHill Clean Energy ETF	-3.43%
YOLO	AdvisorShares Pure Cannabis ETF	-3.34%
CNRG	SPDR S&P Kensho Clean Power ETF	-3.34%
GERM	ETFMG Treatments Testing and Advancements ETF	-3.19%
MJ	ETFMG Alternative Harvest ETF	-3.03%

## Thematic Most Oversold

Ticker	Fund	Value
IBUY	Amplify Online Retail ETF	24.11
ARKF	ARK Fintech Innovation ETF	27.37
KEMQ	KraneShares Emerging Markets Consumer Technology In..	27.49
ONLN	ProShares Online Retail ETF	27.51
ARKW	ARK Next Generation Internet ETF	28.65
BETZ	Roundhill Sports Betting & iGaming ETF	28.73
EBIZ	Global X E-Commerce ETF	29.06
ACES	ALPS Clean Energy ETF	29.08
HDRO	Defiance Next Gen H2 ETF	29.16
DAPP	VanEck Digital Transformation ETF	29.29

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	\$113M
KWEB	KraneShares CSI China Internet ETF	\$76M
LIT	Global X Lithium & Battery Tech ETF	\$66M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$56M
META	Roundhill Ball Metaverse ETF	\$37M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$36M
SKYY	First Trust Cloud Computing ETF	\$26M
SARK	Tuttle Capital Short Innovation ETF	\$23M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$21M
BLOK	Amplify Transformational Data Sharing ETF	\$20M

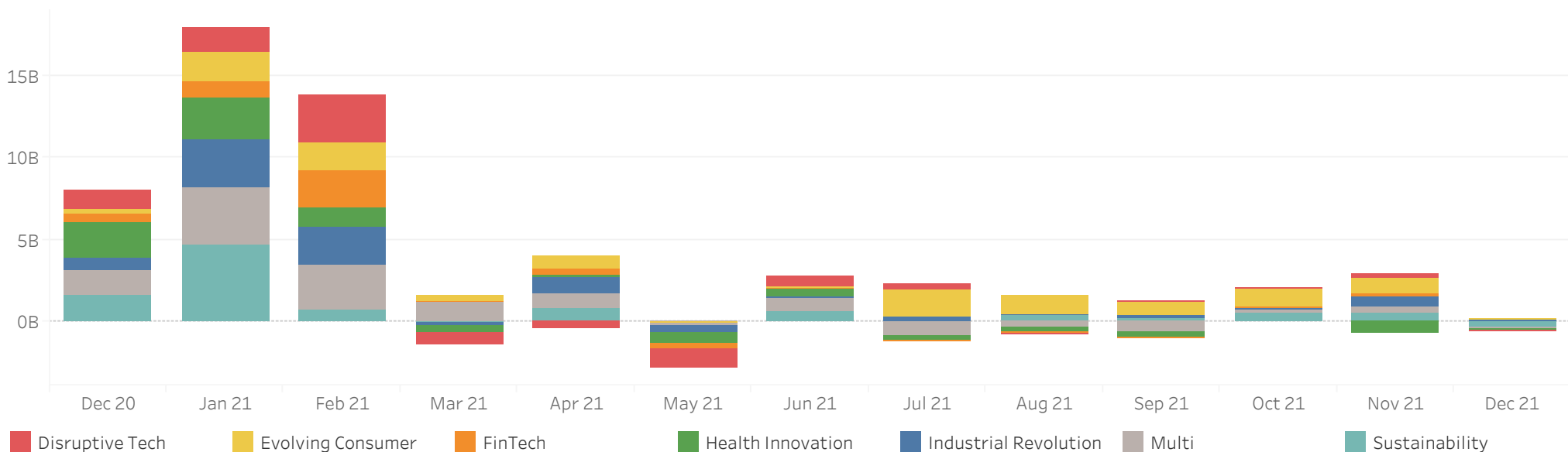
## Thematic 1 Week Flow Laggards

Ticker	Fund	
TAN	Invesco Solar ETF	(\$109M)
ARKK	ARK Innovation ETF	(\$87M)
ARKW	ARK Next Generation Internet ETF	(\$76M)
PBW	Invesco WilderHill Clean Energy ETF	(\$26M)
ARKF	ARK Fintech Innovation ETF	(\$18M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$16M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$15M)
ONLN	ProShares Online Retail ETF	(\$12M)
CLOU	Global X Cloud Computing ETF	(\$10M)
ACES	ALPS Clean Energy ETF	(\$8M)

## Thematic Landscape Assets & Flows

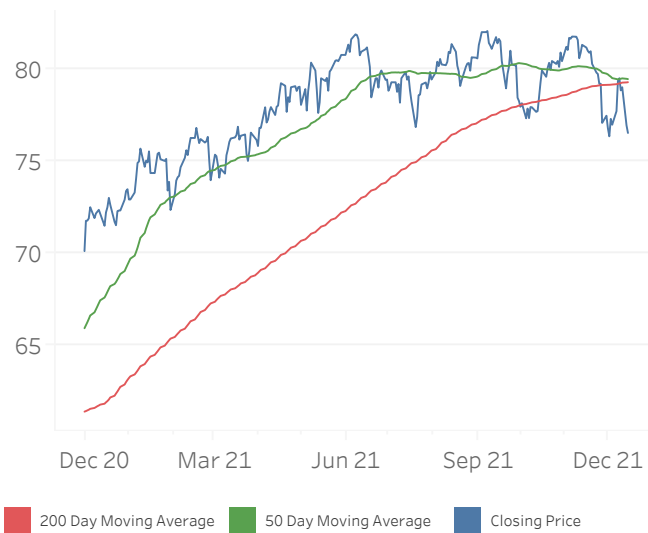
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$28B	(\$41M)	\$108M	\$1,013M	\$4,352M
Evolving Consumer	44	\$16B	\$13M	\$2,000M	\$5,804M	\$10,788M
FinTech	18	\$7B	\$44M	\$109M	(\$38M)	\$3,961M
Health Innovation	16	\$7B	\$6M	(\$937M)	(\$1,281M)	\$3,843M
Industrial Revolution	24	\$18B	\$105M	\$877M	\$1,484M	\$7,807M
Multi	28	\$26B	(\$84M)	\$201M	(\$600M)	\$9,025M
Sustainability	36	\$23B	(\$31M)	\$846M	\$1,884M	\$9,768M
Grand Total	203	\$125B	\$11M	\$3,203M	\$8,266M	\$49,543M

## Thematic Monthly Flows

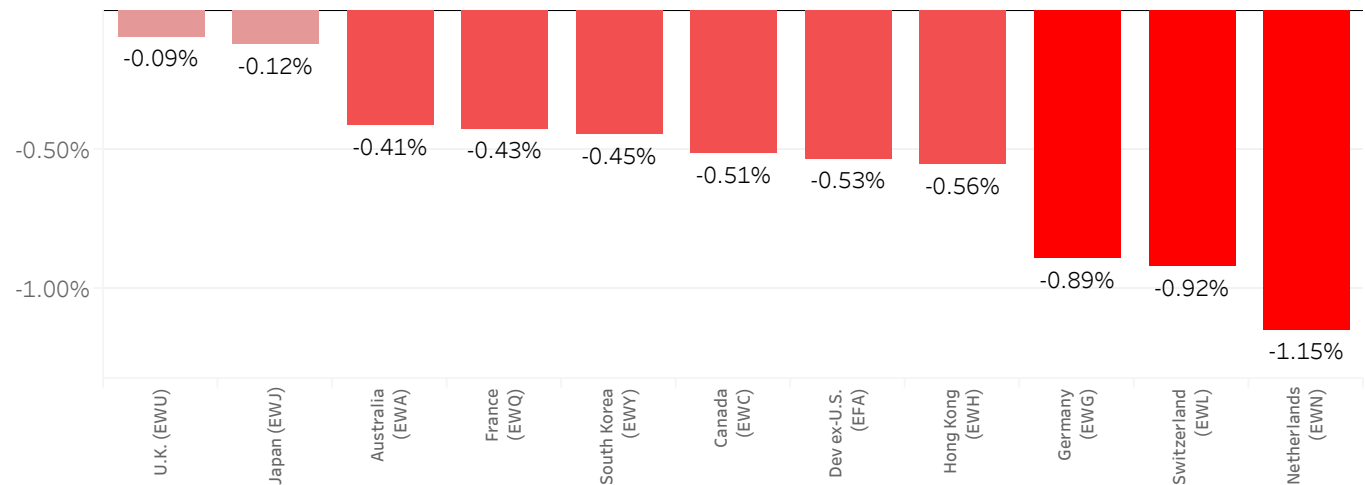


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

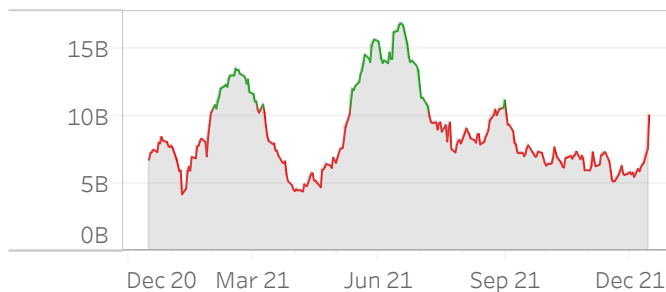
Developed ex-U.S. (EFA)



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



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



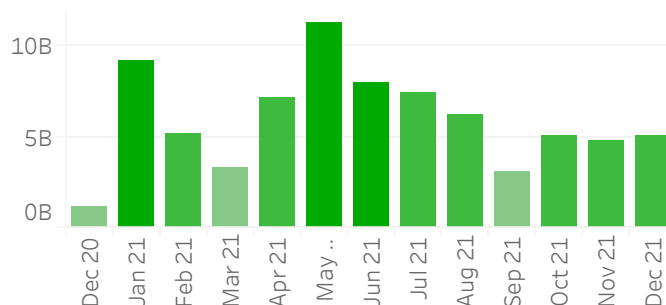
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	0.52%
EWJV	iShares MSCI Japan Value ETF	0.49%
DXJ	WisdomTree Japan Hedged Equity Fund	0.47%
DTH	WisdomTree International High Dividend Fund	0.31%
FIDI	Fidelity International High Dividend ETF	0.20%
EWI	iShares MSCI Italy ETF	0.16%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	0.13%
IVLU	iShares MSCI Intl Value Factor ETF	0.12%
IVAL	Alpha Architect International Quantitative Value ETF	0.12%
EFV	iShares MSCI EAFE Value ETF	0.10%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
LVHI	Legg Mason International Low Volatility High Dividend ETF	52.92
EWL	iShares MSCI Switzerland ETF	52.07
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	49.81
DXJ	WisdomTree Japan Hedged Equity Fund	49.57
DOO	WisdomTree International Dividend ex-Financials Fund	48.59
DTH	WisdomTree International High Dividend Fund	48.58
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	48.34
IHDG	WisdomTree International Hedged Quality Dividend Grow..	47.54
DOL	WisdomTree International LargeCap Dividend Fund	46.92
EUDG	WisdomTree Europe Quality Dividend Growth Fund	46.70

Developed ex-U.S. Monthly Flows



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

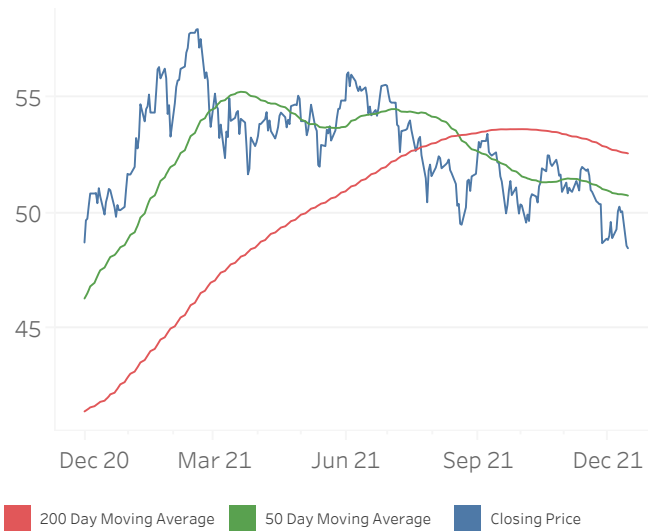
Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	-2.11%
PIZ	Invesco DWA Developed Markets Momentum ETF	-2.11%
ENOR	iShares MSCI Norway ETF	-1.72%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.71%
EWD	iShares MSCI Sweden ETF	-1.66%
EIS	iShares MSCI Israel ETF	-1.32%
FGM	First Trust Germany AlphaDEX Fund	-1.25%
IDHQ	Invesco S&P International Developed High Quality ETF	-1.24%
RFDI	First Trust Riverfront Dynamic Developed International E..	-1.23%
FSZ	First Trust Switzerland AlphaDEX Fund	-1.21%

Developed ex-U.S. Most Oversold

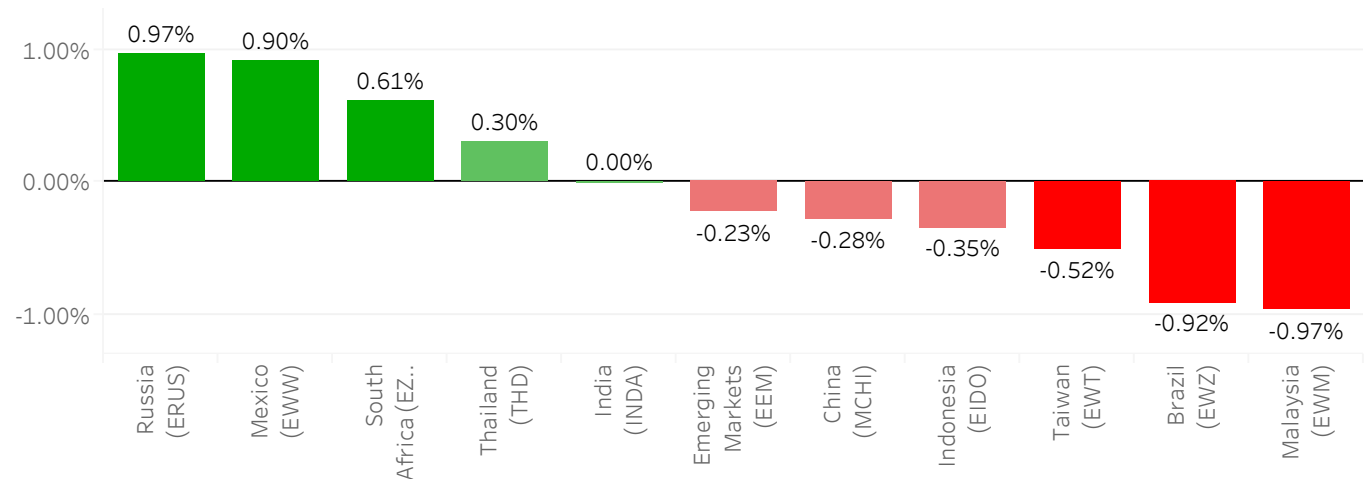
Ticker	Fund	Price
EWS	iShares MSCI Singapore ETF	19.50
EWUS	iShares MSCI United Kingdom Small Cap ETF	26.85
IEUS	iShares MSCI Europe Small-Cap ETF	30.06
SCZ	iShares MSCI EAFE Small-Cap ETF	30.31
SCHC	Schwab International Small-Cap Equity ETF	30.56
ISCF	iShares MSCI Intl Small-Cap Multifactor ETF	31.25
EWP	iShares MSCI Spain ETF	31.77
IMTM	iShares MSCI Intl Momentum Factor ETF	32.02
EPP	iShares MSCI Pacific ex-Japan ETF	32.12
WPS	iShares International Developed Property ETF	32.56

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Emerging (EEM)



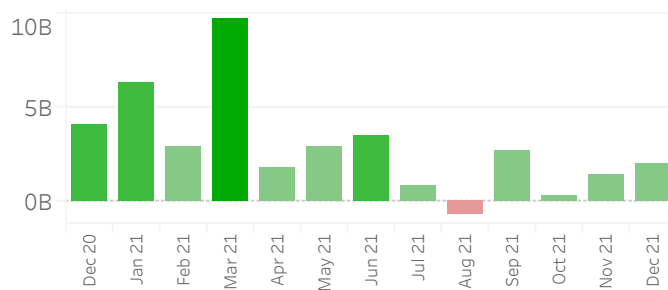
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	1.06%
QAT	iShares MSCI Qatar ETF	1.01%
ERUS	iShares MSCI Russia ETF	0.97%
RSX	VanEck Russia ETF	0.94%
EWW	iShares MSCI Mexico ETF	0.90%
EZA	iShares MSCI South Africa ETF	0.61%
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Eq..	0.42%
KSA	iShares MSCI Saudi Arabia ETF	0.35%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.34%
GLIN	VanEck India Growth Leaders ETF	0.32%

Emerging Most Overbought

Ticker	Fund	Value
KBA	KraneShares Bosera MSCI China A Share ETF	63.78
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	63.14
CNYA	iShares MSCI China A ETF	56.52
VNM	VanEck Vietnam ETF	54.24
EPHE	iShares MSCI Philippines ETF	52.22
TUR	iShares MSCI Turkey ETF	51.83
IDX	VanEck Indonesia Index ETF	48.70
DEM	WisdomTree Emerging Markets High Dividend Fund	48.62
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	48.26
EDIV	SPDR S&P Emerging Markets Dividend ETF	47.67

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.35%
EPU	iShares MSCI Peru ETF	-1.75%
ECH	iShares MSCI Chile ETF	-1.53%
PGJ	Invesco Golden Dragon China ETF	-1.32%
FLBR	Franklin FTSE Brazil ETF	-1.24%
EWM	iShares MSCI Malaysia ETF	-0.97%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.93%
EWZ	iShares MSCI Brazil ETF	-0.92%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.83%
EEMS	iShares MSCI Emerging Markets Small Cap ETF	-0.75%

Emerging Most Oversold

Ticker	Fund	Value
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	19.63
EWM	iShares MSCI Malaysia ETF	24.98
INDY	iShares India 50 ETF	26.97
ECNS	iShares MSCI China Small-Cap ETF	29.07
ERUS	iShares MSCI Russia ETF	29.09
INDA	iShares MSCI India ETF	29.44
ESGE	iShares ESG Aware MSCI EM ETF	31.60
EEMS	iShares MSCI Emerging Markets Small Cap ETF	31.71
BKF	iShares MSCI BRIC ETF	31.92
RSX	VanEck Russia ETF	32.66

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

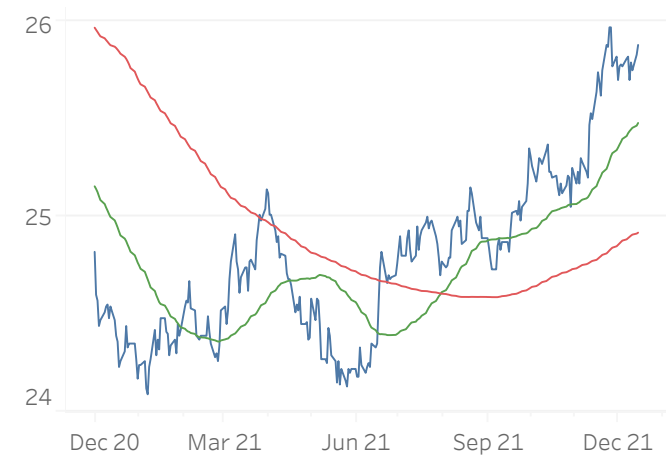
Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



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

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.19%	0.22%	-1.59%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.21%	-0.72%
IEF	7-10 Year Treasury Bonds	-0.17%	1.01%	-2.84%
TLT	20+ Year Treasury Bonds	-0.24%	2.41%	-3.10%
TIP	TIPS Bonds	-0.32%	-1.48%	4.29%
FLOT	Floating Rate Bonds	0.02%	-0.29%	0.24%
LQD	Investment Grade Corporate	-0.45%	0.04%	-1.83%
HYG	High Yield Corporate	-0.17%	-0.10%	2.76%
BKLN	Senior Loan	-0.18%	-0.20%	1.69%
PFF	Preferred & Income Securities	-0.54%	-0.61%	4.30%
MUB	Municipal Bonds	-0.02%	0.51%	1.09%
MBB	MBS	-0.05%	-0.07%	-1.43%
EMB	Dollar Denominated EM Bonds	-0.26%	0.06%	-2.37%
LEMB	Local Currency EM Bond	-0.69%	-3.47%	-10.90%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.79%	-7.75%	26.07%
DBE	Energy	-1.33%	-8.66%	50.74%
USO	WTI Crude Oil	-1.01%	-9.04%	54.26%
BNO	Brent Crude Oil	-1.35%	-9.68%	52.87%
UNG	Natural Gas	-0.80%	-22.53%	35.33%
UGA	Gasoline	-0.87%	-6.84%	59.03%
DBP	Precious Metals	-1.06%	-7.05%	-10.54%
GLD	Gold	-0.93%	-5.16%	-7.24%
SLV	Silver	-1.46%	-13.28%	-17.34%
PPLT	Platinum	-0.96%	-15.08%	-14.88%
PALL	Palladium	-3.83%	-23.59%	-34.41%
DBB	Base Metals	-1.08%	-1.69%	21.49%
CPER	Copper	-0.61%	-4.34%	19.69%
LD	Lead	-0.40%	-2.89%	17.25%
JJN	Nickel	-0.73%	-2.16%	16.86%
JJU	Aluminum	-1.55%	-3.24%	29.22%
JJT	Tin	-0.39%	2.81%	119.28%
DBA	Agriculture	0.00%	0.10%	22.49%
CORN	Corn	0.73%	-0.07%	38.09%
SOYB	Soybeans	1.25%	0.46%	12.07%
WEAT	Wheat	-0.40%	-4.79%	22.13%
CANE	Sugar	0.11%	-2.38%	39.70%
BAL	Cotton	-0.68%	-7.90%	33.66%
NIB	Cocoa	-0.24%	-0.45%	-7.31%
JO	Coffee	-0.36%	6.30%	71.77%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.19%	1.49%	6.77%
UDN	Short Dollar	-0.25%	-1.74%	-7.90%
FXE	Euro	-0.25%	-1.82%	-8.80%
FXB	British Pound Sterling	0.09%	-1.53%	-3.69%
FXF	Swiss Franc	-0.25%	-0.51%	-5.35%
FXJ	Japanese Yen	-0.08%	0.17%	-9.75%
FXC	Canadian Dollar	-0.27%	-2.45%	-1.44%
FXA	Australian Dollar	-0.37%	-3.24%	-8.27%

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

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