

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

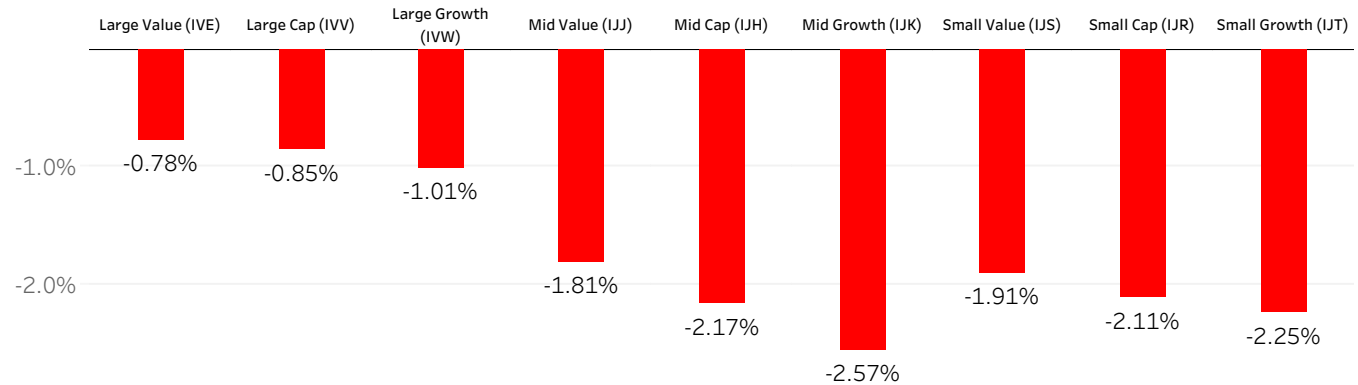


Small Cap Blend (S&P 600) IJR



■ 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
MTUM	iShares MSCI USA Momentum Factor ETF	0.20%
DURA	VanEck Morningstar Durable Dividend ETF	0.13%
PTLC	Pacer Trendpilot US Large Cap ETF	0.02%
QLV	FlexShares US Quality Low Volatility Index Fund	0.02%
RPHS	Regents Park Hedged Market Strategy ETF	0.00%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.03%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.04%
AUSF	Global X Adaptive U.S. Factor ETF	-0.05%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.05%

Size & Style Most Overbought

Ticker	Fund	Price
PTLC	Pacer Trendpilot US Large Cap ETF	66.20
SPC	CrossingBridge Pre-Merger SPAC ETF	54.58
LSAT	Leadershares Alphafactor Tactical Focused ETF	51.56
ONOF	Global X Adaptive U.S. Risk Management ETF	47.69
RPHS	Regents Park Hedged Market Strategy ETF	40.54
MTUM	iShares MSCI USA Momentum Factor ETF	37.93
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	37.36
EQRR	ProShares Equities for Rising Rates ETF	36.78
SVAL	iShares US Small Cap Value Factor ETF	36.00
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	35.90

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ACSI	American Customer Satisfaction ETF	-4.30%
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	-4.27%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-3.89%
IPO	Renaissance IPO ETF	-3.87%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	-3.38%
BUZZ	VanEck Social Sentiment ETF	-3.13%
FFTY	Innovator IBD 50 ETF	-3.05%
ALTL	Pacer Lunt Large Cap Alternator ETF	-2.94%
SPHB	Invesco S&P 500 High Beta ETF	-2.93%
VBK	Vanguard Small-Cap Growth ETF	-2.83%

Size & Style Most Oversold

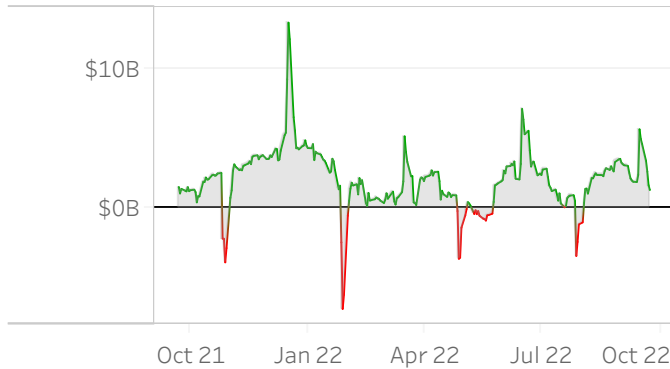
Ticker	Fund	Price
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	9.74
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	12.03
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	15.73
PTMC	Pacer Trendpilot US Mid Cap ETF	20.90
QVML	Invesco S&P 500 QVM Multi-factor ETF	24.83
DJD	Invesco Dow Jones Industrial Average Dividend ETF	26.27
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	26.74
CLRG	IQ Chaikin U.S. Large Cap ETF	28.23
SIXS	ETC 6 Meridian Small Cap Equity ETF	28.27
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	28.31

\*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	25	\$1,155B	\$0.39B	\$13.90B	\$20.52B	\$97.91B
Large Cap, Beta Growth, Beta: Growth	10	\$214B	(\$0.71B)	\$5.52B	\$10.92B	\$15.56B
Large Cap, Beta Growth, Beta: Value	11	\$206B	(\$0.41B)	\$0.00B	\$5.08B	\$25.36B
Mid Cap, Beta, Beta	10	\$168B	(\$1.76B)	\$1.70B	\$4.84B	\$13.06B
Mid Cap, Beta, Beta: Growth	6	\$31B	(\$0.47B)	\$0.79B	\$0.92B	\$1.28B
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.41B)	(\$0.02B)	(\$0.05B)	\$1.42B
Small Cap, Beta, Beta	13	\$182B	(\$0.18B)	\$0.60B	(\$4.06B)	\$7.68B
Small Cap, Beta, Beta: Growth	7	\$30B	(\$0.18B)	(\$0.13B)	\$0.10B	\$1.11B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.84B)	(\$1.56B)	(\$2.79B)	(\$2.56B)

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

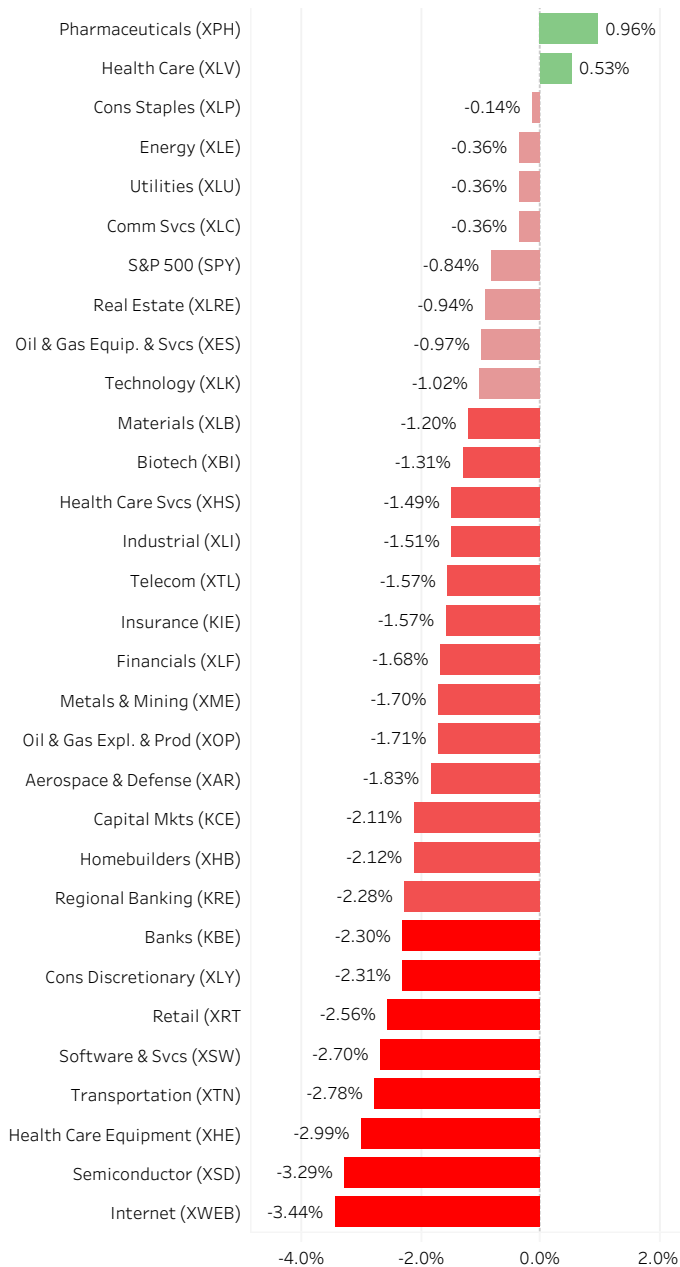
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$1.77B	\$1.01B	\$3.47B	\$5.71B	\$40.92B
QQQ	Invesco QQQ Trust	\$1.24B	\$1.04B	\$4.19B	\$11.93B	\$155.92B
IWM	iShares Russell 2000 ETF	\$1.18B	(\$2.18B)	(\$3.58B)	(\$2.21B)	\$51.27B
SCHB	Schwab U.S. Broad Market ETF	\$0.53B	\$0.58B	\$0.97B	\$1.72B	\$19.97B
IVV	iShares Core S&P 500 ETF	\$0.31B	\$4.06B	\$5.80B	\$30.92B	\$284.48B
SCHD	Schwab US Dividend Equity ETF	\$0.26B	\$3.52B	\$6.92B	\$12.02B	\$36.38B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.20B	\$0.00B	(\$0.59B)	\$1.12B	\$26.35B
IWD	iShares Russell 1000 Value ETF	\$0.18B	(\$0.65B)	(\$0.29B)	\$1.32B	\$50.09B
HDV	iShares Core High Dividend ETF	\$0.14B	(\$0.14B)	\$4.18B	\$5.20B	\$12.20B
IWO	iShares Russell 2000 Growth ETF	\$0.13B	(\$0.31B)	(\$0.46B)	\$0.47B	\$9.06B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	(\$2.03B)	\$6.09B	\$10.72B	\$32.20B	\$251.92B
VXF	Vanguard Extended Market ETF	(\$1.58B)	\$0.24B	\$0.15B	\$0.59B	\$13.08B
VO	Vanguard Mid-Cap ETF	(\$1.42B)	\$0.87B	\$2.20B	\$5.61B	\$48.07B
VB	Vanguard Small-Cap ETF	(\$1.12B)	(\$0.16B)	(\$0.78B)	\$1.62B	\$39.97B
VOO	Vanguard S&P 500 ETF	(\$0.83B)	\$10.66B	\$11.42B	\$41.71B	\$255.30B
VBR	Vanguard Small Cap Value ETF	(\$0.76B)	(\$0.09B)	(\$0.81B)	\$0.22B	\$22.30B
VUG	Vanguard Growth ETF	(\$0.65B)	\$2.53B	\$5.43B	\$7.42B	\$70.55B
MOAT	VanEck Morningstar Wide Moat ETF	(\$0.65B)	\$0.08B	\$0.20B	\$0.73B	\$6.15B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.44B)	\$0.13B	\$0.25B	\$0.85B	\$9.31B
VOE	Vanguard Mid-Cap Value ETF	(\$0.42B)	\$0.05B	\$0.38B	\$1.89B	\$15.08B

\* 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)
XLU	Utilities Select Sector SPDR Fund	-7.07%	13.63%	-2.46%	1.29%	37.55
XLP	Consumer Staples Select Sector SPDR Fund	-12.40%	2.54%	-4.52%	-5.63%	32.34
XLV	Health Care Select Sector SPDR Fund	-13.63%	2.89%	-4.70%	-6.15%	37.22
XLE	Energy Select Sector SPDR Fund	-17.97%	42.80%	-2.10%	2.19%	40.75
XLI	Industrial Select Sector SPDR Fund	-19.37%	1.02%	-8.03%	-10.67%	28.19
SPY	SPDR S&P 500 ETF Trust	-21.66%	2.29%	-7.26%	-11.21%	31.77
XLB	Materials Select Sector SPDR Fund	-22.90%	0.00%	-8.63%	-14.95%	30.53
XLF	Financial Select Sector SPDR Fund	-23.83%	2.64%	-6.05%	-12.02%	32.59
XLRE	Real Estate Select Sector SPDR Fund	-26.79%	0.00%	-11.11%	-15.69%	24.18
XLK	Technology Select Sector SPDR Fund	-29.02%	1.53%	-9.96%	-14.30%	30.47
XLY	Consumer Discretionary Select Sector SPDR Fund	-29.11%	11.32%	-6.39%	-10.85%	36.33
XLC	Communication Services Select Sector SPDR Fund	-39.02%	0.00%	-10.05%	-20.63%	29.57

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XPH	SPDR S&P Pharmaceuticals ETF	0.96%
IHE	iShares U.S. Pharmaceuticals ETF	0.87%
PJP	Invesco Dynamic Pharmaceuticals ETF	0.54%
XLV	Health Care Select Sector SPDR Fund	0.53%
IYH	iShares U.S. Healthcare ETF	0.43%
FHLC	Fidelity MSCI Health Care Index ETF	0.17%
VHT	Vanguard Health Care ETF	0.08%
IYK	iShares U.S. Consumer Staples ETF	0.04%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	-0.02%
XLP	Consumer Staples Select Sector SPDR Fund	-0.14%

### Sector & Industry Most Overbought

Ticker	Fund	Value
QABA	First Trust NASDAQ ABA Community Bank Index Fund	45.83
KBWR	Invesco KBW Regional Banking ETF	44.80
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	43.99
IYE	iShares U.S. Energy ETF	42.64
VDE	Vanguard Energy ETF	42.45
FENY	Fidelity MSCI Energy Index ETF	40.99
FTXN	First Trust Nasdaq Oil & Gas ETF	40.96
IEZ	iShares U.S. Oil Equipment & Services ETF	40.95
MLPA	Global X MLP ETF	40.82
FXN	First Trust Energy AlphaDEX Fund	40.80

### Sector & Industry 1 Day Performance Laggards

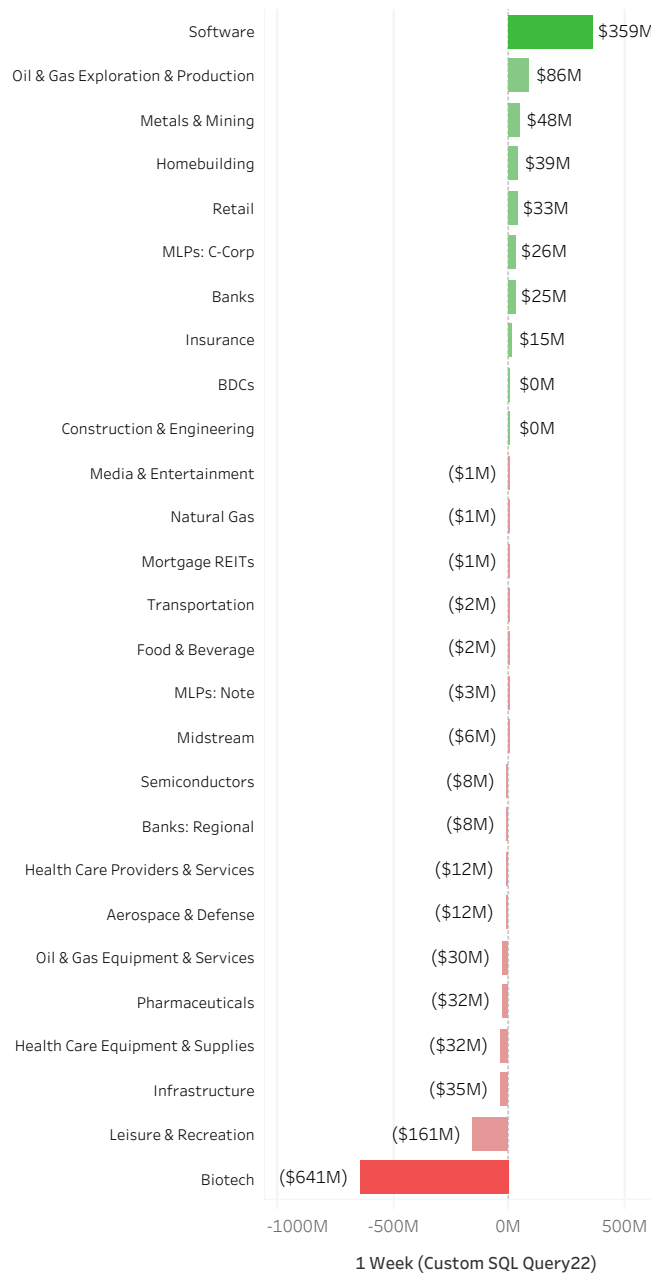
Ticker	Fund	1 Day Performance
MORT	VanEck Mortgage REIT Income ETF	-3.63%
REM	iShares Mortgage Real Estate ETF	-3.52%
BIZD	VanEck BDC Income ETF	-3.36%
XSD	SPDR S&P Semiconductor ETF	-3.29%
PTF	Invesco DWA Technology Momentum ETF	-3.25%
AMZA	InfraCap MLP ETF	-3.13%
KBWD	Invesco KBW High Dividend Yield Financial ETF	-3.01%
XHE	SPDR S&P Health Care Equipment ETF	-2.99%
AMLP	Alerian MLP ETF	-2.90%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-2.85%

### Sector & Industry Most Oversold

Ticker	Fund	Value
IYZ	iShares U.S. Telecommunications ETF	22.30
RWR	SPDR Dow Jones REIT ETF	23.72
FREL	Fidelity MSCI Real Estate Index ETF	23.94
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	24.03
XLRE	Real Estate Select Sector SPDR Fund	24.18
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	24.36
KBWD	Invesco KBW High Dividend Yield Financial ETF	24.45
JPRE	JPMorgan Realty Income ETF	24.54
SCHH	Schwab U.S. REIT ETF	24.61
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	24.80

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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	8	\$12B	(\$194M)	(\$375M)	(\$905M)	(\$2,105M)
Consumer Discretionary	13	\$23B	(\$260M)	(\$648M)	(\$2,678M)	(\$4,672M)
Consumer Staples	11	\$27B	(\$69M)	\$1,168M	\$3,613M	\$7,375M
Energy	34	\$72B	(\$563M)	(\$3,512M)	(\$6,293M)	\$981M
Financials	27	\$56B	(\$892M)	(\$981M)	(\$15,539M)	(\$7,880M)
Health Care	24	\$86B	(\$762M)	\$1,220M	\$4,680M	\$10,826M
Industrial	14	\$27B	(\$500M)	(\$868M)	(\$3,264M)	(\$3,477M)
Materials	10	\$12B	\$60M	(\$2,207M)	(\$2,814M)	(\$1,378M)
Multi-Sector	19	\$13B	(\$358M)	(\$1,495M)	(\$3,014M)	(\$4,787M)
Real Estate	25	\$62B	\$213M	(\$1,260M)	(\$2,660M)	(\$1,018M)
Technology	24	\$104B	(\$799M)	(\$811M)	\$269M	\$868M
Utilities	10	\$28B	(\$163M)	\$1,777M	\$4,398M	\$5,637M

## U.S. Sector & Industry Flow Leaders

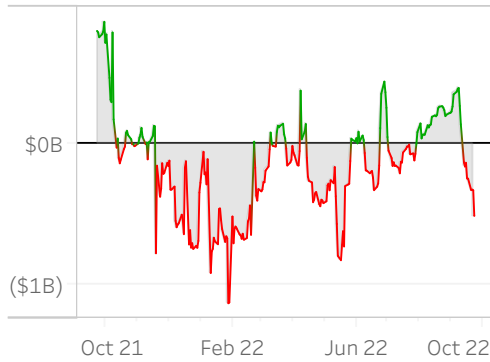
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$359M	(\$329M)	(\$379M)	\$409M	\$3,810M
IBB	iShares Biotechnology ETF	\$143M	\$67M	(\$329M)	\$68M	\$7,669M
IYR	iShares U.S. Real Estate ETF	\$141M	(\$419M)	(\$614M)	(\$2,893M)	\$3,899M
VOX	Vanguard Communication Services ETF	\$97M	\$97M	(\$153M)	(\$258M)	\$2,620M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$79M	(\$506M)	(\$2,148M)	(\$1,124M)	\$4,134M
RWR	SPDR Dow Jones REIT ETF	\$70M	(\$96M)	(\$34M)	\$142M	\$1,642M
ITB	iShares U.S. Home Construction ETF	\$59M	(\$105M)	(\$398M)	(\$661M)	\$1,229M
XME	SPDR S&P Metals & Mining ETF	\$48M	(\$506M)	(\$1,027M)	(\$103M)	\$1,664M
XLB	Materials Select Sector SPDR Fund	\$41M	(\$1,015M)	(\$1,201M)	(\$1,736M)	\$5,029M
XRT	SPDR S&P Retail ETF	\$33M	(\$259M)	(\$392M)	(\$574M)	\$279M

## U.S. Sector & Industry Flow Laggards

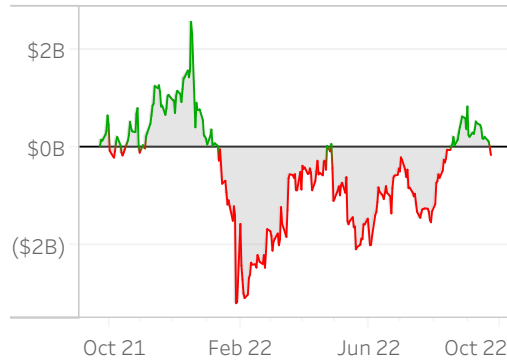
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$888M)	(\$528M)	(\$9,385M)	(\$4,280M)	\$29,356M
XBI	SPDR S&P BIOTECH ETF	(\$785M)	(\$411M)	\$127M	\$2,525M	\$6,823M
XLK	Technology Select Sector SPDR Fund	(\$521M)	\$381M	\$1,427M	\$2,570M	\$38,240M
XLI	Industrial Select Sector SPDR Fund	(\$467M)	(\$636M)	(\$1,825M)	(\$3,383M)	\$12,247M
VGT	Vanguard Information Technology ETF	(\$452M)	(\$124M)	\$1,323M	\$1,026M	\$40,418M
XLE	Energy Select Sector SPDR Fund	(\$446M)	(\$1,505M)	(\$2,595M)	(\$1,338M)	\$34,707M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$278M)	(\$96M)	(\$314M)	(\$1,087M)	\$15,495M
XLC	Communication Services Select Sector SPDR Fu..	(\$265M)	(\$492M)	(\$644M)	(\$1,761M)	\$8,103M
FDN	First Trust Dow Jones Internet Index Fund	(\$197M)	(\$178M)	(\$1,286M)	(\$2,612M)	\$3,946M
FTXN	First Trust Nasdaq Oil & Gas ETF	(\$183M)	\$1M	\$18M	\$797M	\$1,092M

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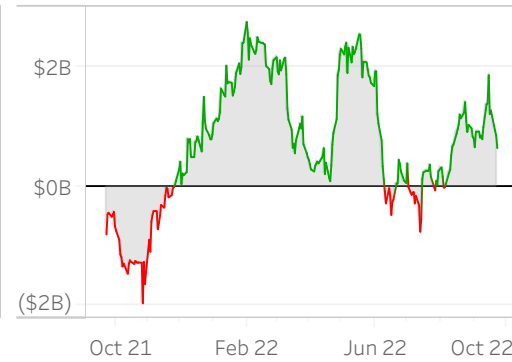
Communication Services



Consumer Discretionary



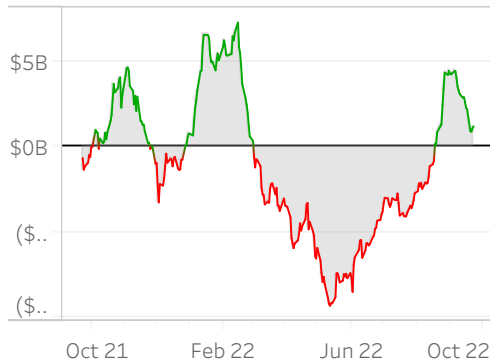
Consumer Staples



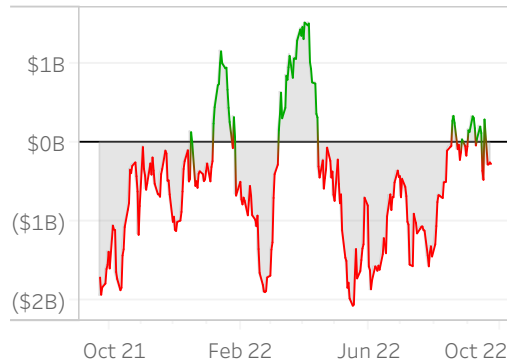
Energy



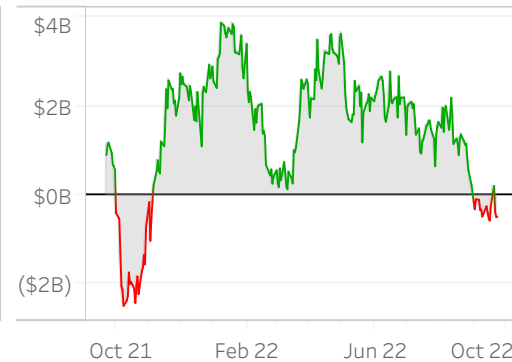
Financials



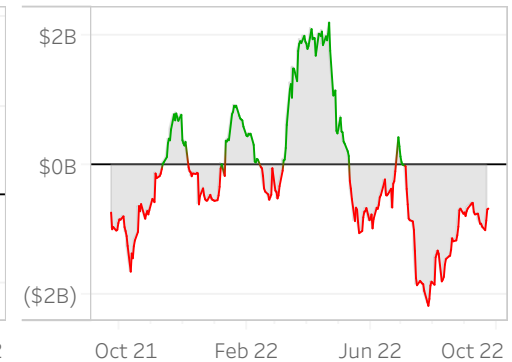
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

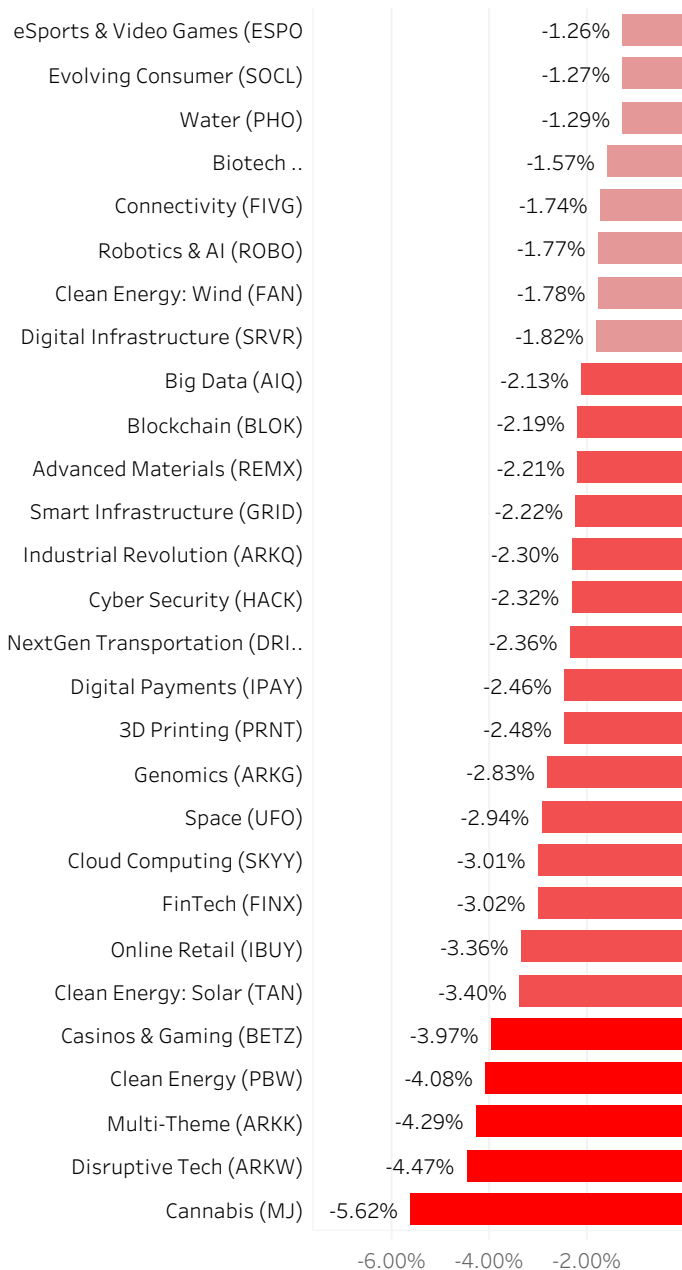


Multi-Sector

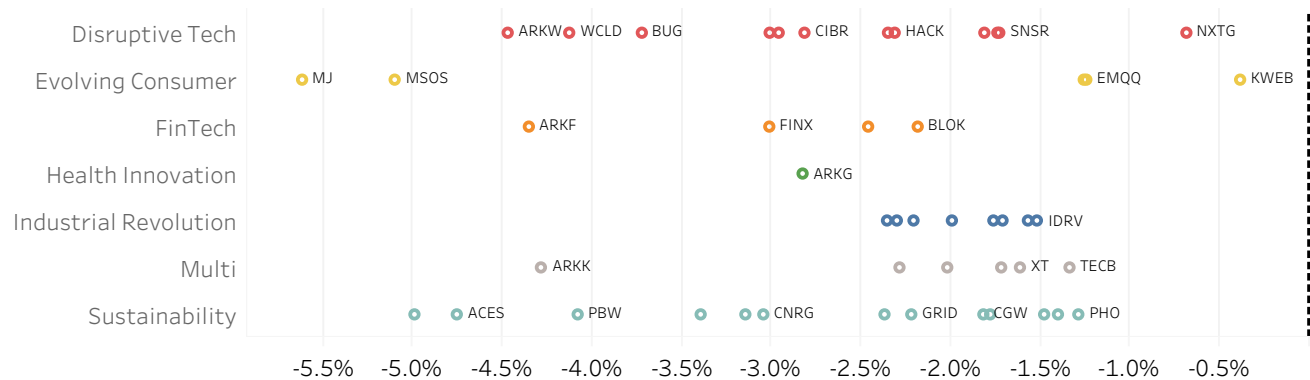


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-0.39%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.50%
PAWZ	ProShares Pet Care ETF	-0.65%
NXTG	First Trust Indxx NextG ETF	-0.69%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.76%
KLDW	Knowledge Leaders Developed World ETF	-0.81%
HERO	Global X Video Games & Esports ETF	-0.86%
GAMR	Wedbush ETFMG Video Game Tech ETF	-0.90%
EVX	VanEck Environmental Services ETF	-0.93%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.19%

### Thematic Most Overbought

Ticker	Fund	Price
REMX	VanEck Rare Earth/Strategic Metals ETF	41.39
LIT	Global X Lithium & Battery Tech ETF	39.47
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	39.03
CNRG	SPDR S&P Kensho Clean Power ETF	38.36
ACES	ALPS Clean Energy ETF	38.05
ARKG	ARK Genomic Revolution ETF	37.32
CLOU	Global X Cloud Computing ETF	37.00
PBW	Invesco WilderHill Clean Energy ETF	36.89
SBIO	ALPS Medical Breakthroughs ETF	36.81
BATT	Amplify Lithium & Battery Technology ETF	36.40

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MJ	ETFMG Alternative Harvest ETF	-5.62%
MJUS	ETFMG U.S. Alternative Harvest ETF	-5.58%
MSOS	AdvisorShares Pure US Cannabis ETF	-5.10%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-4.99%
ACES	ALPS Clean Energy ETF	-4.76%
ARKW	ARK Next Generation Internet ETF	-4.47%
ARKF	ARK Fintech Innovation ETF	-4.36%
ARKK	ARK Innovation ETF	-4.29%
BKCH	Global X Blockchain ETF	-4.27%
WCLD	WisdomTree Cloud Computing Fund	-4.13%

### Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	24.04
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	24.67
PAWZ	ProShares Pet Care ETF	24.68
HERO	Global X Video Games & Esports ETF	25.62
KGRN	KraneShares MSCI China Clean Technology Index ETF	25.87
VPN	Global X Data Center REITs & Digital Infrastructure ETF	25.93
GBUY	Goldman Sachs Future Consumer Equity ETF	26.41
ESPO	VanEck Video Gaming and eSports ETF	26.91
NXTG	First Trust Indxx NextG ETF	26.96
FIVG	Defiance Next Gen Connectivity ETF	27.26

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### Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$178M
EVX	VanEck Environmental Services ETF	\$7M
CNRG	SPDR S&P Kensho Clean Power ETF	\$5M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$4M
TARK	AXS 2X Innovation ETF	\$4M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$4M
GXTG	Global X Thematic Growth ETF	\$1M
BKCH	Global X Blockchain ETF	\$1M
FRNW	Fidelity Clean Energy ETF	\$1M
SAMT	Strategas Macro Thematic Opportunities ETF	\$1M

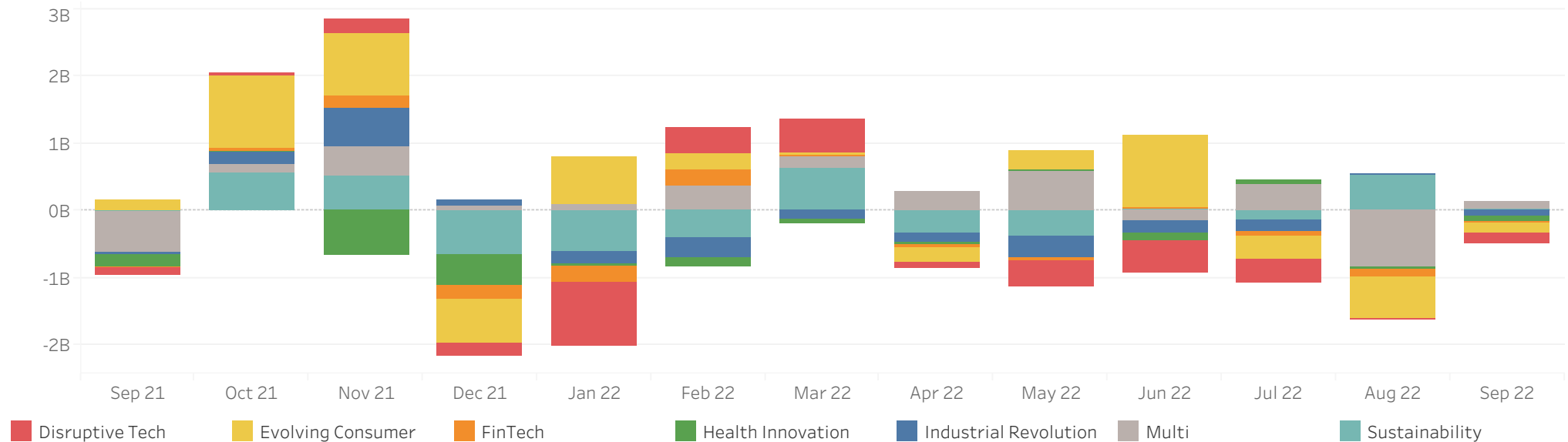
### Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$89M)
ARKG	ARK Genomic Revolution ETF	(\$59M)
FIW	First Trust Water ETF	(\$43M)
PBW	Invesco WilderHill Clean Energy ETF	(\$35M)
TAN	Invesco Solar ETF	(\$25M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$21M)
ARKW	ARK Next Generation Internet ETF	(\$18M)
PHO	Invesco Water Resources ETF	(\$14M)
ARKF	ARK Fintech Innovation ETF	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$10M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$17B	(\$60M)	(\$555M)	(\$1,364M)	(\$1,562M)
Evolving Consumer	47	\$9B	(\$83M)	(\$818M)	\$192M	\$2,549M
FinTech	24	\$3B	(\$16M)	(\$202M)	(\$264M)	(\$316M)
Health Innovation	19	\$4B	(\$55M)	(\$126M)	(\$175M)	(\$1,707M)
Industrial Revolution	32	\$12B	(\$22M)	(\$273M)	(\$878M)	(\$701M)
Multi	41	\$14B	\$182M	(\$532M)	\$93M	\$1,084M
Sustainability	42	\$19B	(\$160M)	\$542M	(\$482M)	(\$267M)
Grand Total	240	\$78B	(\$215M)	(\$1,965M)	(\$2,877M)	(\$919M)

### Thematic Monthly Flows



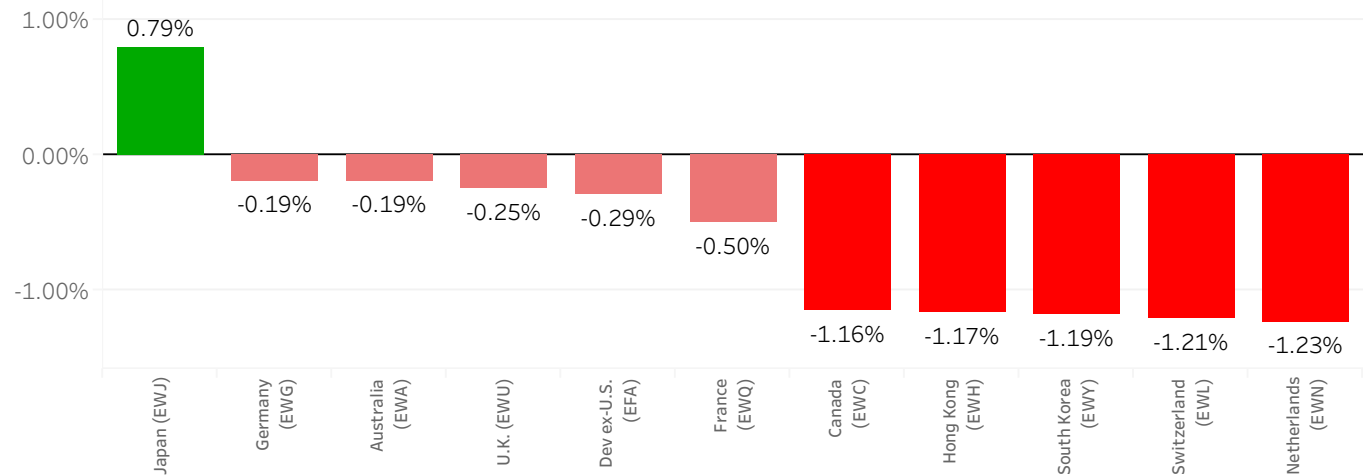
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Developed ex-U.S. (EFA)



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



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



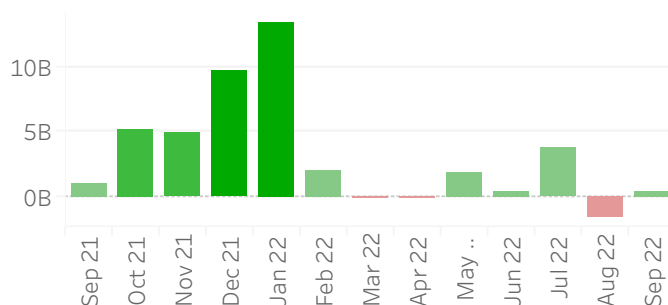
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	1.20%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.99%
ENZL	iShares MSCI New Zealand ETF	0.91%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	0.89%
SCJ	iShares MSCI Japan Small-Cap ETF	0.86%
EWJ	iShares MSCI Japan ETF	0.79%
BBJP	JPMorgan BetaBuilders Japan ETF	0.78%
FYLD	Cambria Foreign Shareholder Yield ETF	0.75%
IDOG	ALPS International Sector Dividend Dogs ETF	0.73%
DTH	WisdomTree International High Dividend Fund	0.70%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	51.24
DFJ	WisdomTree Japan SmallCap Dividend Fund	43.13
EWI	iShares MSCI Italy ETF	41.98
SCJ	iShares MSCI Japan Small-Cap ETF	41.83
EWJV	iShares MSCI Japan Value ETF	41.80
DXJ	WisdomTree Japan Hedged Equity Fund	40.85
FDD	First Trust Stoxx European Select Dividend Index Fund	39.10
HEWJ	iShares Currency Hedged MSCI Japan ETF	38.61
EWP	iShares MSCI Spain ETF	38.32
DTH	WisdomTree International High Dividend Fund	38.11

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ISRA	VanEck Israel ETF	-1.90%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.61%
EIS	iShares MSCI Israel ETF	-1.37%
EDEN	iShares MSCI Denmark ETF	-1.37%
EWN	iShares MSCI Netherlands ETF	-1.23%
AIA	iShares Asia 50 ETF	-1.21%
EWL	iShares MSCI Switzerland ETF	-1.21%
EWY	iShares MSCI South Korea ETF	-1.19%
EWH	iShares MSCI Hong Kong ETF	-1.17%
EWC	iShares MSCI Canada ETF	-1.16%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifact..	21.84
QLVD	FlexShares Developed Markets ex-US Quality Low V..	24.36
IDHQ	Invesco S&P International Developed High Quality E..	25.79
EDEN	iShares MSCI Denmark ETF	26.34
IDLV	Invesco S&P International Developed Low Volatility ..	26.90
EFAV	iShares MSCI EAFE Min Vol Factor ETF	27.01
EFAD	ProShares MSCI EAFE Dividend Growers ETF	27.28
PIZ	Invesco DWA Developed Markets Momentum ETF	27.51
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	27.56
IDOG	ALPS International Sector Dividend Dogs ETF	27.66

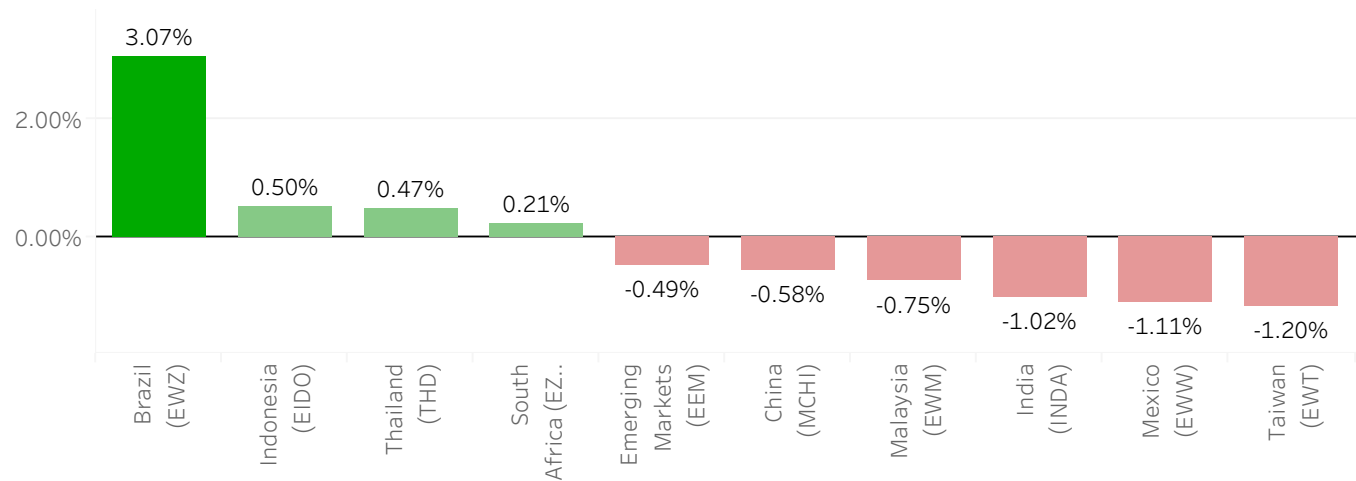
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



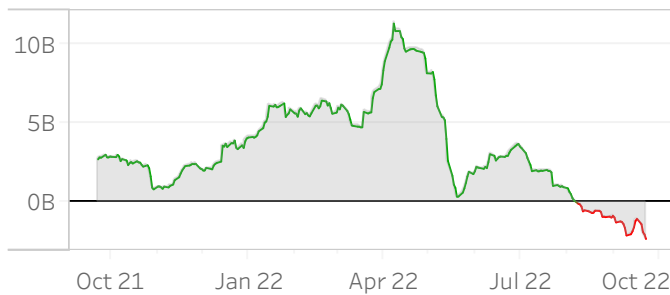
Emerging (EEM)



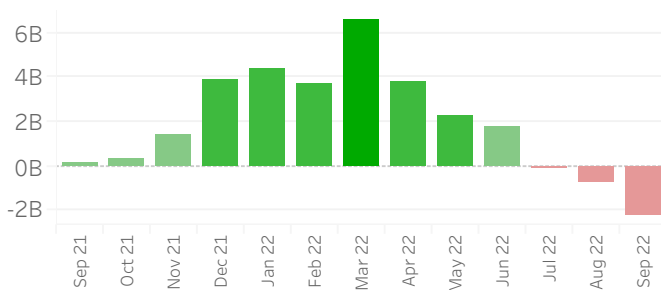
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
FLBR	Franklin FTSE Brazil ETF	3.23%
EWZ	iShares MSCI Brazil ETF	3.07%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.76%
TUR	iShares MSCI Turkey ETF	2.59%
EPOL	iShares MSCI Poland ETF	2.26%
FLLA	Franklin FTSE Latin America ETF	1.65%
ILF	iShares Latin America 40 ETF	1.51%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.95%
DVYE	iShares Emerging Markets Dividend ETF	0.84%
EYLD	Cambria Emerging Shareholder Yield ETF	0.83%

Emerging Most Overbought

Ticker	Fund	Price
FLBR	Franklin FTSE Brazil ETF	59.59
EWZ	iShares MSCI Brazil ETF	59.48
EWZS	iShares MSCI Brazil Small-Cap ETF	58.70
ILF	iShares Latin America 40 ETF	56.80
FLLA	Franklin FTSE Latin America ETF	55.75
EIDO	iShares MSCI Indonesia ETF	55.09
TUR	iShares MSCI Turkey ETF	52.49
EWW	iShares MSCI Mexico ETF	49.41
SMIN	iShares MSCI India Small Cap ETF	48.50
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	46.96

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-1.69%
EPHE	iShares MSCI Philippines ETF	-1.55%
INDY	iShares India 50 ETF	-1.35%
FNI	First Trust Chindia ETF	-1.34%
PIN	Invesco India ETF	-1.33%
EPI	WisdomTree India Earnings Fund	-1.33%
EWT	iShares MSCI Taiwan ETF	-1.20%
EWW	iShares MSCI Mexico ETF	-1.11%
FLIN	Franklin FTSE India ETF	-1.04%
INDA	iShares MSCI India ETF	-1.02%

Emerging Most Oversold

Ticker	Fund	Price
EDIV	SPDR S&P Emerging Markets Dividend ETF	24.13
ECNS	iShares MSCI China Small-Cap ETF	24.36
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	24.69
CNYA	iShares MSCI China A ETF	24.86
RAYC	Rayliant Quantamental China Equity ETF	25.10
EPHE	iShares MSCI Philippines ETF	25.20
EELV	Invesco S&P Emerging Markets Low Volatility ETF	25.43
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	26.81
KSA	iShares MSCI Saudi Arabia ETF	27.13
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	27.24

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

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	-1.07%	-3.79%	-13.35%
SHY	1-3 Year Treasury Bonds	-0.18%	-1.21%	-4.40%
IEF	7-10 Year Treasury Bonds	-1.51%	-5.05%	-15.02%
TLT	20+ Year Treasury Bonds	-2.55%	-6.36%	-27.99%
TIP	TIPS Bonds	-1.14%	-5.06%	-11.35%
FLOT	Floating Rate Bonds	0.18%	0.55%	0.14%
LQD	Investment Grade Corporate	-1.41%	-4.91%	-19.20%
HYG	High Yield Corporate	-0.60%	-3.50%	-13.27%
BKLN	Senior Loan	-0.43%	-1.31%	-4.08%
PFF	Preferred & Income Securities	-1.20%	-5.36%	-16.16%
MUB	Municipal Bonds	-0.49%	-2.62%	-9.71%
MBB	MBS	-1.35%	-4.80%	-12.57%
EMB	Dollar Denominated EM Bonds	-0.67%	-3.41%	-21.61%
LEMB	Local Currency EM Bond	0.06%	-1.85%	-14.99%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.92%	-6.79%	20.03%
DBE	Energy	0.04%	-8.50%	38.70%
USO	WTI Crude Oil	0.42%	-7.65%	26.88%
BNO	Brent Crude Oil	0.39%	-5.58%	36.73%
UNG	Natural Gas	-6.75%	-25.57%	101.36%
UGA	Gasoline	0.73%	-7.74%	31.86%
DBP	Precious Metals	-0.07%	-2.52%	-11.45%
GLD	Gold	-0.06%	-3.67%	-8.93%
SLV	Silver	0.17%	3.37%	-15.90%
PPLT	abrdn Physical Platin..	-0.94%	3.04%	-6.99%
PALL	abrdn Physical Palla..	0.90%	8.79%	13.89%
DBB	Base Metals	0.59%	-6.94%	-16.31%
CPER	Copper	0.63%	-5.54%	-23.48%
LD	Lead	0.57%	-11.08%	-21.03%
JJN	Nickel	-1.35%	8.50%	17.77%
JJU	Aluminum	1.08%	-7.11%	-20.62%
JJT	Tin	1.84%	-11.75%	-43.01%
DBA	Agriculture	0.05%	1.97%	4.61%
CORN	Corn	0.22%	7.87%	27.30%
SOYB	Soybeans	-0.51%	1.29%	20.40%
WEAT	Wheat	0.33%	12.35%	23.14%
CANE	Sugar	1.48%	0.79%	-2.83%
BAL	Cotton	0.00%	-15.25%	3.83%
NIB	Cocoa	-1.10%	-1.38%	-16.35%
JO	Coffee	1.49%	1.24%	1.50%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.13%	2.33%	16.47%
UDN	Short Dollar	-0.12%	-2.15%	-14.58%
FXE	Euro	-0.12%	-1.07%	-14.10%
FXB	British Pound Sterling	-0.28%	-4.28%	-16.83%
FXF	Swiss Franc	-1.12%	-1.39%	-7.40%
FXJ	Japanese Yen	1.10%	-3.44%	-19.41%
FXC	Canadian Dollar	-0.26%	-3.18%	-6.40%
FXA	Australian Dollar	0.11%	-3.39%	-8.73%

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