

### Large Cap Blend (S&P 500) IVV



### Mid Cap Blend (S&P 400) IJH

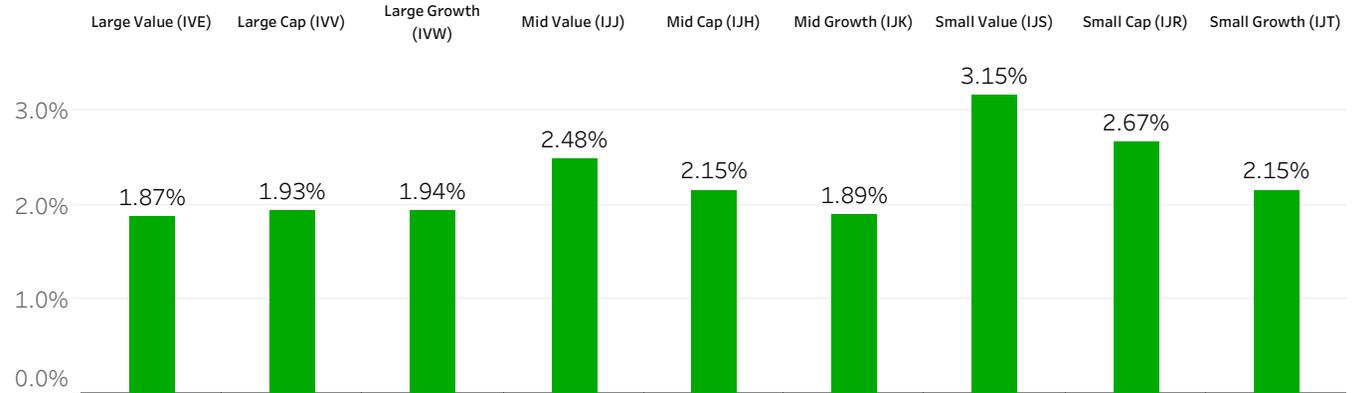


### Small Cap Blend (S&P 600) IJR



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

### U.S. Size & Style 1-Day Performance



### Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
BUZZ	VanEck Social Sentiment ETF	4.48%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	3.73%
IPO	Renaissance IPO ETF	3.71%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	3.69%
WBIY	WBI Power Factor High Dividend ETF	3.64%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	3.55%
SVAL	iShares US Small Cap Value Factor ETF	3.43%
LCG	Sterling Capital Focus Equity ETF	3.40%
FYT	First Trust Small Cap Value AlphaDEX Fund	3.36%
VTWV	Vanguard Russell 2000 Value ETF	3.32%

### Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	58.10
PWB	Invesco Large Cap Growth ETF	52.29
AUSF	Global X Adaptive U.S. Factor ETF	52.06
DUSA	Davis Select U.S. Equity ETF	51.27
QMOM	Momentumshares US Quantitative Momentum ETF	50.87
VMV	Vanguard U.S. Minimum Volatility ETF	50.47
WINN	Harbor Long-Term Growers ETF	50.32
MTUM	iShares MSCI USA Momentum Factor ETF	49.69
ACSI	American Customer Satisfaction ETF	49.65
QLV	FlexShares US Quality Low Volatility Index Fund	49.64

### Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
FFTY	Innovator IBD 50 ETF	-0.14%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.07%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.00%
LSAT	Leadershares Alphafactor Tactical Focused ETF	0.03%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.09%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	0.40%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	0.45%
TPHE	Timothy Plan High Dividend Stock Enhanced ETF	0.47%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.49%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.54%

### Size & Style Most Oversold

Ticker	Fund	Price
SPHB	Invesco S&P 500 High Beta ETF	31.31
ALTL	Pacer Lunt Large Cap Alternator ETF	31.49
QQQ	Invesco NASDAQ Next Gen 100 ETF	32.79
NUMG	Nuveen ESG Mid-Cap Growth ETF	34.14
PTMC	Pacer Trendpilot US Mid Cap ETF	34.24
VOT	Vanguard Mid-Cap Growth ETF	35.05
VTWG	Vanguard Russell 2000 Growth ETF	35.47
TMFS	Motley Fool Small-Cap Growth ETF	35.52
IMCG	iShares Morningstar Mid-Cap Growth ETF	35.84
TMFM	Motley Fool Mid-Cap Growth ETF	35.93

\* 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, Beta	26	\$1,416B	\$3.16B	\$27.99B	\$81.14B	\$68.20B
Large Cap, Beta, Beta: Growth	10	\$276B	\$1.23B	\$8.05B	\$9.65B	\$18.19B
Large Cap, Beta, Beta: Value	11	\$210B	(\$0.21B)	\$0.86B	(\$2.51B)	(\$8.75B)
Mid Cap, Beta, Beta	10	\$180B	\$0.05B	\$1.36B	\$5.98B	\$9.94B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.11B	(\$0.21B)	\$0.48B	\$0.53B
Mid Cap, Beta, Beta: Value	6	\$35B	(\$0.05B)	(\$0.77B)	(\$1.81B)	(\$2.64B)
Small Cap, Beta, Beta	11	\$181B	\$0.46B	\$1.95B	\$7.97B	\$10.68B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.31B	\$0.28B	\$0.61B	\$0.85B
Small Cap, Beta, Beta: Value	7	\$44B	\$0.00B	(\$0.70B)	(\$1.23B)	(\$1.11B)

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

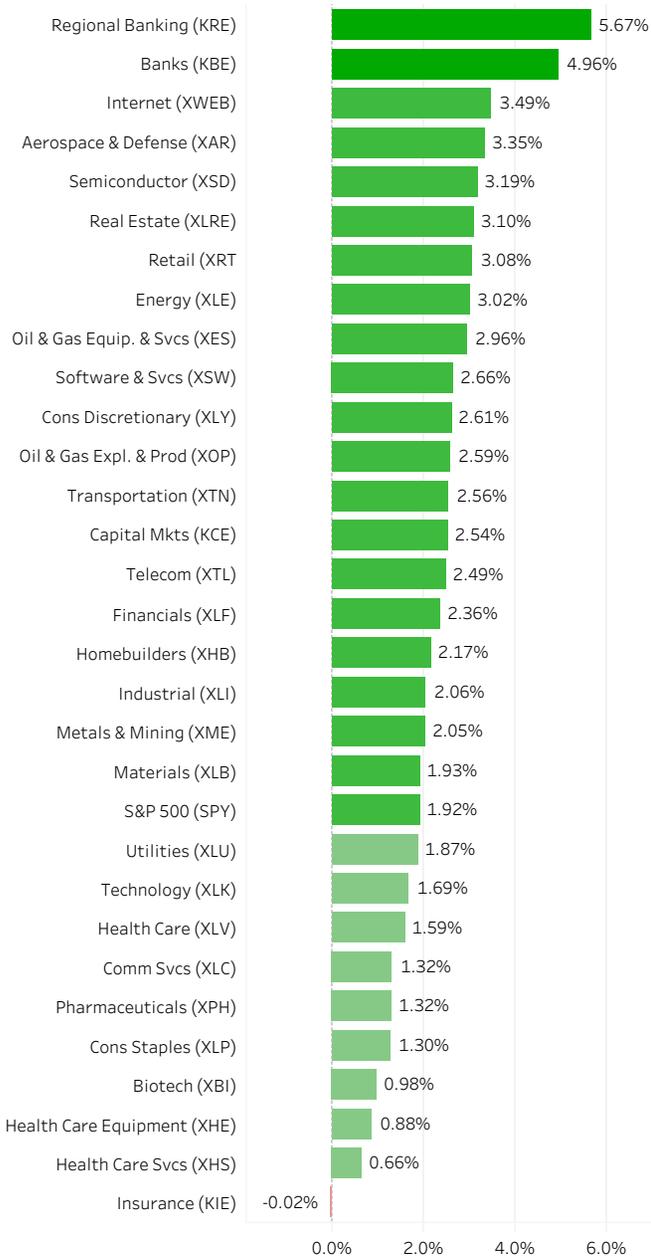
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	\$1.59B	\$1.99B	\$6.61B	\$5.56B	\$199.51B
VOO	Vanguard S&P 500 ETF	\$1.18B	\$8.35B	\$25.49B	\$31.66B	\$323.00B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.73B	\$2.16B	\$1.96B	\$10.38B	\$31.75B
IWF	iShares Russell 1000 Growth ETF	\$0.57B	\$2.22B	\$1.71B	(\$0.49B)	\$70.03B
SPY	SPDR S&P 500 ETF Trust	\$0.40B	(\$4.20B)	\$9.28B	(\$7.40B)	\$394.12B
VONG	Vanguard Russell 1000 Growth ETF	\$0.34B	\$1.53B	\$1.82B	\$3.63B	\$14.22B
SCHG	Schwab U.S. Large-Cap Growth ETF	\$0.33B	\$0.59B	\$0.97B	\$1.96B	\$19.36B
DGRO	iShares Core Dividend Growth ETF	\$0.32B	\$0.45B	\$0.53B	(\$0.59B)	\$22.91B
SUSA	iShares MSCI USA ESG Select ETF	\$0.32B	\$1.06B	\$1.45B	\$1.23B	\$4.62B
IWM	iShares Russell 2000 ETF	\$0.30B	\$0.19B	\$1.69B	\$0.46B	\$48.02B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTV	Vanguard Value ETF	(\$0.84B)	(\$0.49B)	(\$3.35B)	(\$5.11B)	\$94.78B
QQQM	Invesco NASDAQ 100 ETF	(\$0.67B)	\$0.57B	\$3.90B	\$6.93B	\$14.17B
PKW	Invesco Buyback Achievers ETF	(\$0.26B)	\$0.54B	\$0.51B	(\$0.08B)	\$1.42B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.26B)	(\$0.33B)	(\$0.64B)	(\$0.33B)	\$17.33B
VUG	Vanguard Growth ETF	(\$0.20B)	\$1.63B	\$0.71B	\$4.10B	\$89.73B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.19B)	(\$0.51B)	(\$2.13B)	(\$9.44B)	\$11.73B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.11B)	\$0.50B	\$0.72B	\$0.68B	\$42.83B
FVD	First Trust Value Line Dividend Index Fund	(\$0.07B)	(\$0.80B)	(\$0.99B)	(\$1.22B)	\$10.28B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.05B)	(\$1.17B)	(\$1.89B)	(\$3.58B)	\$26.42B
SDY	SPDR S&P Dividend ETF	(\$0.05B)	(\$0.83B)	(\$1.52B)	(\$1.51B)	\$19.14B

\* 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)
XLC	Communication Services Select Sector SPDR Fund	-4.56%	40.68%	-1.32%	5.74%	48.04
XLK	Technology Select Sector SPDR Fund	-7.26%	37.96%	-0.58%	4.97%	52.94
SPY	SPDR S&P 500 ETF Trust	-7.67%	12.21%	-2.64%	-0.39%	46.12
XLE	Energy Select Sector SPDR Fund	-9.66%	10.97%	-4.85%	0.15%	36.61
XLI	Industrial Select Sector SPDR Fund	-10.90%	2.32%	-4.01%	-3.92%	42.33
XLV	Health Care Select Sector SPDR Fund	-10.92%	1.35%	-4.16%	-4.81%	34.93
XLB	Materials Select Sector SPDR Fund	-11.22%	2.20%	-3.81%	-5.31%	43.79
XLF	Financial Select Sector SPDR Fund	-11.97%	5.13%	-2.83%	-3.31%	46.72
XLP	Consumer Staples Select Sector SPDR Fund	-12.53%	2.37%	-2.57%	-7.20%	47.09
XLY	Consumer Discretionary Select Sector SPDR Fund	-12.99%	21.95%	-5.13%	-1.97%	43.95
XLU	Utilities Select Sector SPDR Fund	-16.93%	7.44%	-0.87%	-7.53%	54.38
XLRE	Real Estate Select Sector SPDR Fund	-20.46%	3.36%	-4.44%	-9.76%	46.22

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	Performance
IAT	iShares U.S. Regional Banks ETF	5.88%
KRE	SPDR S&P Regional Banking ETF	5.67%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	5.06%
KBE	SPDR S&P Bank ETF	4.96%
FTXO	First Trust Nasdaq Bank ETF	4.91%
QABA	First Trust NASDAQ ABA Community Bank Index F..	4.90%
KBWB	Invesco KBW Bank ETF	4.50%
REM	iShares Mortgage Real Estate ETF	4.03%
MORT	VanEck Mortgage REIT Income ETF	3.97%
PSR	Invesco Active U.S. Real Estate Fund	3.51%

### Sector & Industry Most Overbought

Ticker	Fund	Value
KBWP	Invesco KBW Property & Casualty Insurance ETF	63.25
ITA	iShares U.S. Aerospace & Defense ETF	59.62
IAK	iShares U.S. Insurance ETF	57.81
XAR	SPDR S&P Aerospace & Defense ETF	55.20
PKB	Invesco Building & Construction ETF	54.55
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	54.42
XLU	Utilities Select Sector SPDR Fund	54.38
PPA	Invesco Aerospace & Defense ETF	54.21
IDU	iShares U.S. Utilities ETF	54.20
FUTY	Fidelity MSCI Utilities Index ETF	53.93

### Sector & Industry 1 Day Performance Laggards

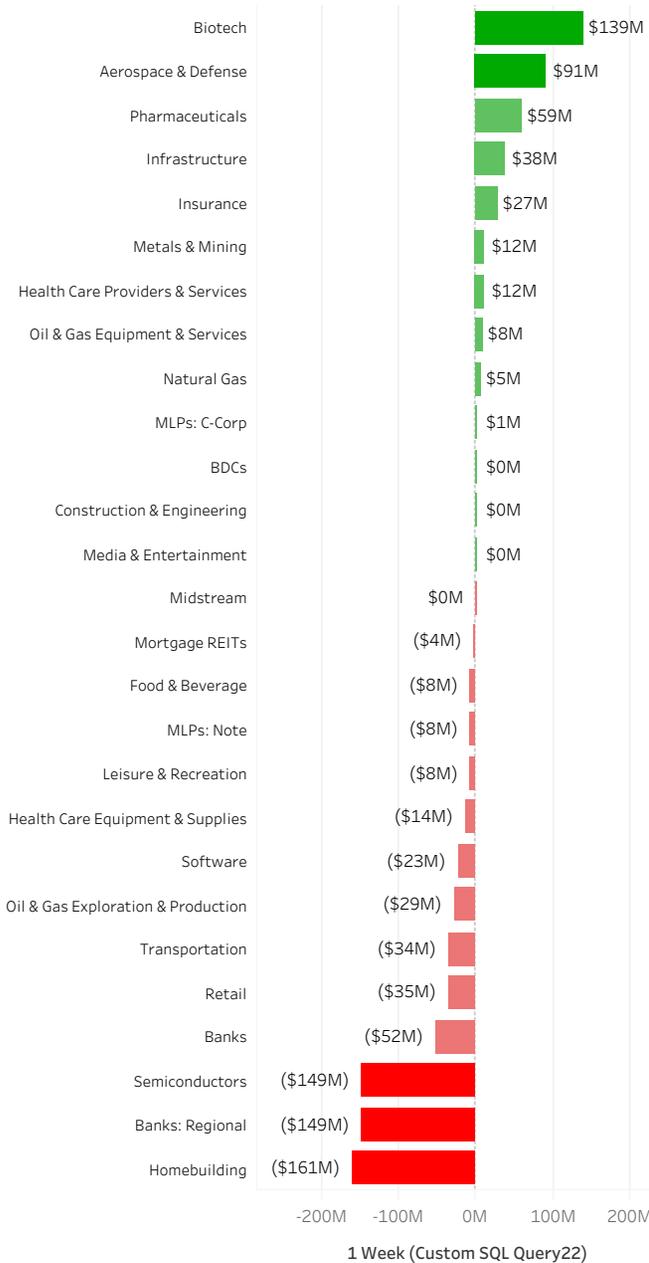
Ticker	Fund	Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	-1.23%
PSCH	Invesco S&P SmallCap Health Care ETF	-1.04%
KIE	SPDR S&P Insurance ETF	-0.02%
IAK	iShares U.S. Insurance ETF	0.07%
PJP	Invesco Pharmaceuticals ETF	0.62%
XHS	SPDR S&P Health Care Services ETF	0.66%
IHF	iShares U.S. Healthcare Providers ETF	0.81%
XHE	SPDR S&P Health Care Equipment ETF	0.88%
FBT	First Trust NYSE Arca Biotechnology Index Fund	0.94%
XBI	SPDR S&P BIOTECH ETF	0.98%

### Sector & Industry Most Oversold

Ticker	Fund	Value
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	29.07
IHE	iShares U.S. Pharmaceuticals ETF	29.16
XPH	SPDR S&P Pharmaceuticals ETF	30.02
XTN	SPDR S&P Transportation ETF	30.26
FXH	First Trust Health Care AlphaDEX Fund	31.05
PSCT	Invesco S&P SmallCap Information Technology ETF	31.61
XSD	SPDR S&P Semiconductor ETF	31.86
FBT	First Trust NYSE Arca Biotechnology Index Fund	32.92
IYH	iShares U.S. Healthcare ETF	33.88
PSI	Invesco Semiconductors ETF	34.09

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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	7	\$17B	(\$515M)	(\$716M)	\$1,005M	\$2,135M
Consumer Discretionary	12	\$22B	(\$570M)	(\$472M)	\$655M	\$858M
Consumer Staples	10	\$26B	(\$318M)	(\$2,479M)	(\$2,870M)	(\$255M)
Energy	31	\$73B	(\$594M)	\$3,304M	(\$287M)	(\$7,175M)
Financials	26	\$48B	(\$1,508M)	(\$6,807M)	(\$5,204M)	(\$4,297M)
Health Care	23	\$79B	(\$543M)	(\$2,933M)	(\$4,548M)	(\$6,650M)
Industrial	13	\$32B	(\$345M)	(\$1,072M)	\$769M	\$2,194M
Materials	9	\$11B	(\$380M)	(\$1,589M)	(\$2,407M)	(\$1,917M)
Multi-Sector	18	\$16B	(\$244M)	(\$820M)	\$1,813M	\$1,606M
Real Estate	25	\$49B	(\$220M)	(\$559M)	(\$160M)	(\$2,898M)
Technology	23	\$145B	(\$717M)	\$1,549M	\$1,394M	\$428M
Utilities	9	\$21B	(\$177M)	(\$1,187M)	(\$1,558M)	(\$1,321M)

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$134M	\$3M	\$1M	(\$987M)	\$5,264M
XLU	Utilities Select Sector SPDR Fund	\$85M	(\$427M)	(\$763M)	(\$243M)	\$13,546M
IHE	iShares U.S. Pharmaceuticals ETF	\$59M	\$196M	\$178M	\$151M	\$535M
IYR	iShares U.S. Real Estate ETF	\$50M	\$29M	(\$50M)	(\$555M)	\$2,540M
ITA	iShares U.S. Aerospace & Defense ETF	\$48M	(\$112M)	(\$476M)	\$1,070M	\$5,242M
PPA	Invesco Aerospace & Defense ETF	\$29M	\$247M	\$250M	\$433M	\$2,169M
AIRR	First Trust RBA American Industrial Renaissan..	\$26M	\$77M	\$197M	\$279M	\$482M
IYW	iShares U.S. Technology ETF	\$20M	\$860M	(\$421M)	\$329M	\$11,686M
KIE	SPDR S&P Insurance ETF	\$17M	\$50M	\$70M	\$125M	\$608M
XAR	SPDR S&P Aerospace & Defense ETF	\$14M	\$136M	\$143M	\$220M	\$1,622M

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,027M)	(\$4,753M)	(\$3,270M)	(\$1,790M)	\$27,949M
XLV	Health Care Select Sector SPDR Fund	(\$534M)	(\$1,344M)	(\$2,093M)	(\$2,029M)	\$35,750M
XLE	Energy Select Sector SPDR Fund	(\$349M)	\$2,599M	\$150M	(\$2,118M)	\$37,882M
XLK	Technology Select Sector SPDR Fund	(\$310M)	(\$223M)	\$185M	(\$1,826M)	\$48,180M
VIS	Vanguard Industrials ETF	(\$286M)	(\$411M)	(\$77M)	\$18M	\$3,651M
VFH	Vanguard Financials ETF	(\$277M)	(\$973M)	(\$380M)	(\$992M)	\$7,270M
VNQ	Vanguard Real Estate ETF	(\$271M)	(\$823M)	(\$478M)	(\$1,694M)	\$28,186M
XLC	Communication Services Select Sector SPDR Fu..	(\$270M)	(\$581M)	\$875M	\$1,859M	\$13,362M
VCR	Vanguard Consumer Discretionary ETF	(\$245M)	(\$358M)	\$75M	(\$147M)	\$4,303M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$244M)	\$128M	\$514M	\$83M	\$15,490M

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Communication Services



Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



Health Care



Materials



Real Estate



Technology



Utilities

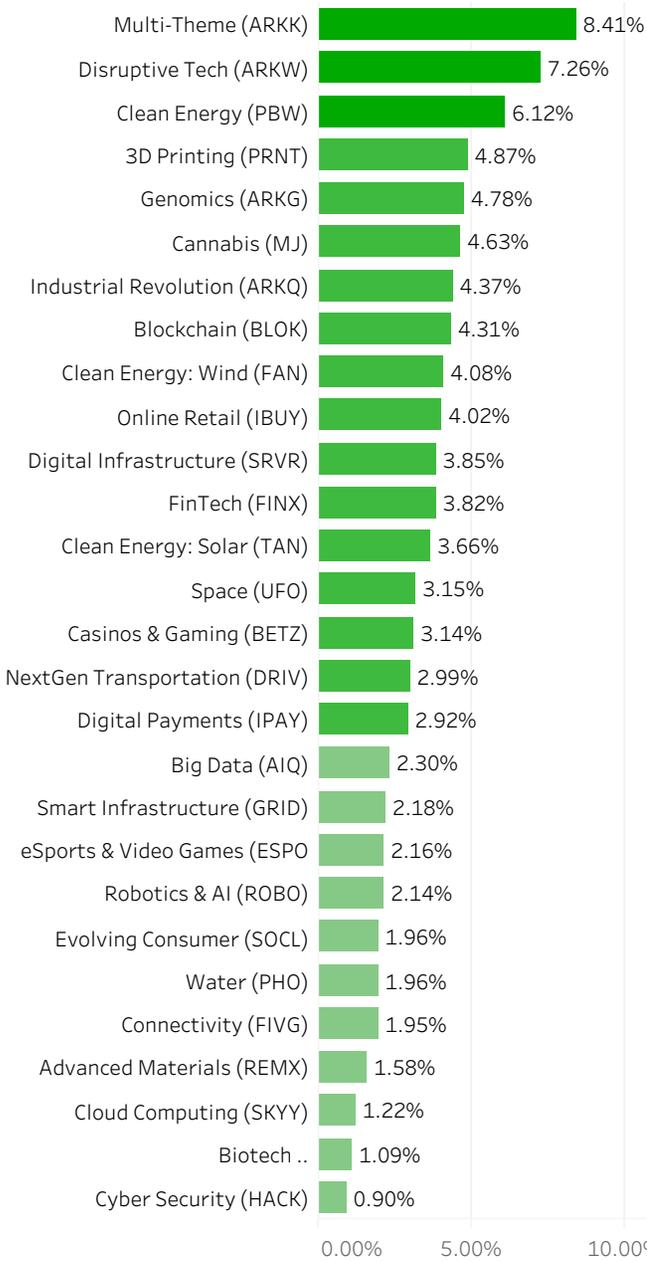


Multi-Sector

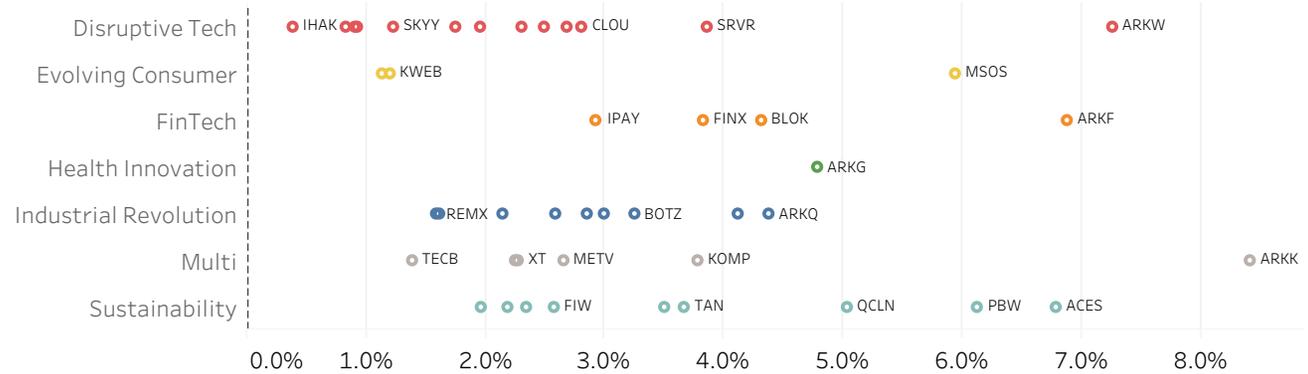


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
ARKK	ARK Innovation ETF	8.41%
BKCH	Global X Blockchain ETF	8.39%
ARKW	ARK Next Generation Internet ETF	7.26%
ARKF	ARK Fintech Innovation ETF	6.88%
ACES	ALPS Clean Energy ETF	6.78%
BITQ	Bitwise Crypto Industry Innovators ETF	6.43%
MJUS	ETFMG U.S. Alternative Harvest ETF	6.41%
PBW	Invesco WilderHill Clean Energy ETF	6.12%
MSOS	AdvisorShares Pure US Cannabis ETF	5.94%
PBD	Invesco Global Clean Energy ETF	5.04%

## Thematic Most Overbought

Ticker	Fund	Value
BLOK	Amplify Transformational Data Sharing ETF	56.79
BITQ	Bitwise Crypto Industry Innovators ETF	55.38
BKCH	Global X Blockchain ETF	52.33
SRVR	Pacer Data & Infrastructure Real Estate ETF	49.38
TECB	iShares U.S. Tech Breakthrough Multisector ETF	48.35
GBUY	Goldman Sachs Future Consumer Equity ETF	48.25
NXTG	First Trust Indxx NextG ETF	47.70
METV	Roundhill Ball Metaverse ETF	47.68
LEGR	First Trust Indxx Innovative Transaction & Process ETF	47.51
CGW	Invesco S&P Global Water Index ETF	47.43

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
IHAK	iShares Cybersecurity & Tech ETF	0.38%
BUG	Global X Cybersecurity ETF	0.82%
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Secu..	0.90%
CIBR	First Trust NASDAQ Cybersecurity ETF	0.92%
EDOC	Global X Telemedicine & Digital Health ETF Registered	0.98%
SBIO	ALPS Medical Breakthroughs ETF	1.09%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	1.13%
KWEB	KraneShares CSI China Internet ETF	1.19%
SKYY	First Trust Cloud Computing ETF	1.22%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	1.35%

## Thematic Most Oversold

Ticker	Fund	Value
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	25.35
PBW	Invesco WilderHill Clean Energy ETF	25.65
ACES	ALPS Clean Energy ETF	26.59
EDOC	Global X Telemedicine & Digital Health ETF Registered	26.98
CTEC	Global X CleanTech ETF	27.27
BATT	Amplify Lithium & Battery Technology ETF	27.67
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	28.26
LIT	Global X Lithium & Battery Tech ETF	28.26
IDRV	iShares Self-driving EV & Tech ETF	28.64
PRNT	3D Printing ETF	28.69

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### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$64M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$14M
KWEB	KraneShares CSI China Internet ETF	\$12M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$7M
TARK	AXS 2X Innovation ETF	\$6M
EBIZ	Global X E-Commerce ETF	\$3M
AIQ	Global X Artificial Intelligence & Technology ETF	\$1M
ONLN	ProShares Online Retail ETF	\$1M
BKCH	Global X Blockchain ETF	\$1M
WGMI	Valkyrie Bitcoin Miners ETF	\$0M

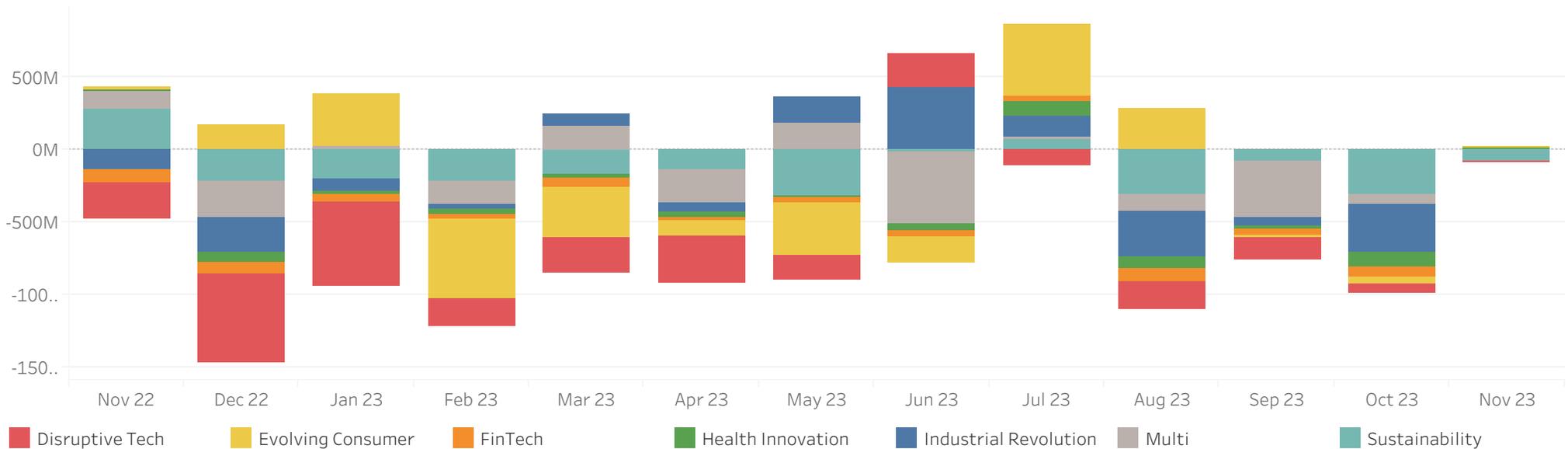
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
GNOM	Global X Genomics & Biotechnology ETF	(\$76M)
ICLN	iShares Global Clean Energy ETF	(\$75M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$39M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$32M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$23M)
PBW	Invesco WilderHill Clean Energy ETF	(\$19M)
LIT	Global X Lithium & Battery Tech ETF	(\$18M)
TAN	Invesco Solar ETF	(\$17M)
IBUY	Amplify Online Retail ETF	(\$14M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$14M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$14B	(\$10M)	(\$419M)	(\$415M)	(\$2,655M)
Evolving Consumer	39	\$8B	(\$10M)	(\$125M)	\$266M	(\$275M)
FinTech	17	\$2B	(\$5M)	(\$207M)	(\$234M)	(\$561M)
Health Innovation	18	\$2B	(\$84M)	(\$206M)	(\$166M)	(\$380M)
Industrial Revolution	30	\$9B	(\$36M)	(\$607M)	\$85M	(\$403M)
Multi	36	\$12B	\$51M	(\$315M)	(\$838M)	(\$1,220M)
Sustainability	40	\$12B	(\$172M)	(\$778M)	(\$1,027M)	(\$1,720M)
<b>Grand Total</b>	<b>214</b>	<b>\$60B</b>	<b>(\$267M)</b>	<b>(\$2,656M)</b>	<b>(\$2,328M)</b>	<b>(\$7,214M)</b>

### Thematic Monthly Flows

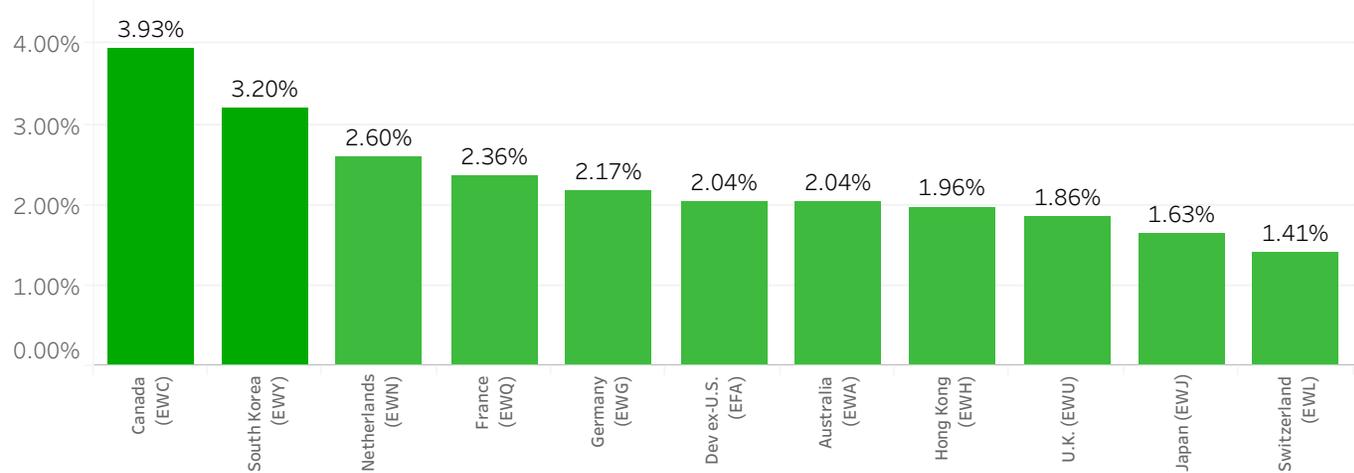


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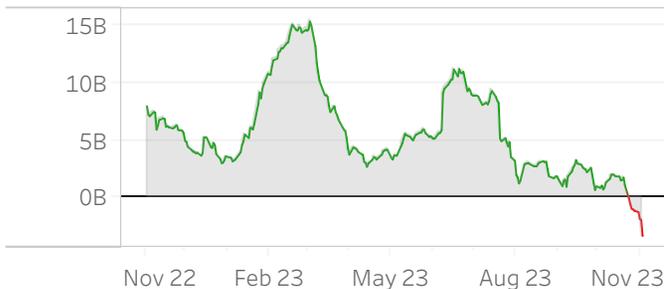
Developed ex-U.S. (EFA)



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



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



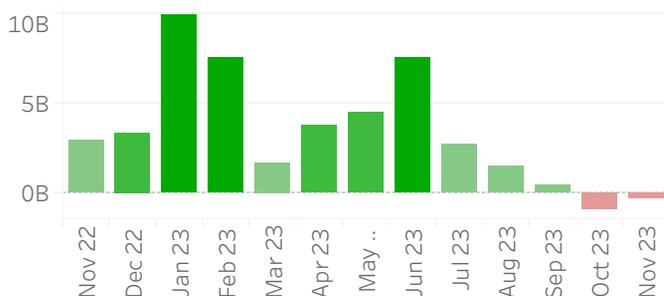
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BBCA	JPMorgan BetaBuilders Canada ETF	3.98%
EWC	iShares MSCI Canada ETF	3.93%
FLCA	Franklin FTSE Canada ETF	3.86%
FLKR	Franklin FTSE South Korea ETF	3.34%
EWY	iShares MSCI South Korea ETF	3.20%
EIS	iShares MSCI Israel ETF	3.01%
IEUS	iShares MSCI Europe Small-Cap ETF	2.99%
GREK	Global X MSCI Greece ETF	2.88%
ENZL	iShares MSCI New Zealand ETF	2.87%
EWP	iShares MSCI Spain ETF	2.75%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	60.16
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.97
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.74
DXJ	WisdomTree Japan Hedged Equity Fund	58.83
EWJV	iShares MSCI Japan Value ETF	55.80
DFJ	WisdomTree Japan SmallCap Dividend Fund	55.49
BBJP	JPMorgan BetaBuilders Japan ETF	55.08
EWJ	iShares MSCI Japan ETF	54.72
LVHI	Franklin International Low Volatility High Dividend Index ..	54.71
FLJP	Franklin FTSE Japan ETF	54.31

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.76%
EWS	iShares MSCI Singapore ETF	0.80%
EWJV	iShares MSCI Japan Value ETF	1.10%
NORW	Global X MSCI Norway ETF	1.14%
PTIN	Pacer Trendpilot International ETF	1.20%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.20%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	1.29%
FYLD	Cambria Foreign Shareholder Yield ETF	1.29%
FJP	First Trust Japan AlphaDEX Fund	1.30%
DXJ	WisdomTree Japan Hedged Equity Fund	1.32%

Developed ex-U.S. Most Oversold

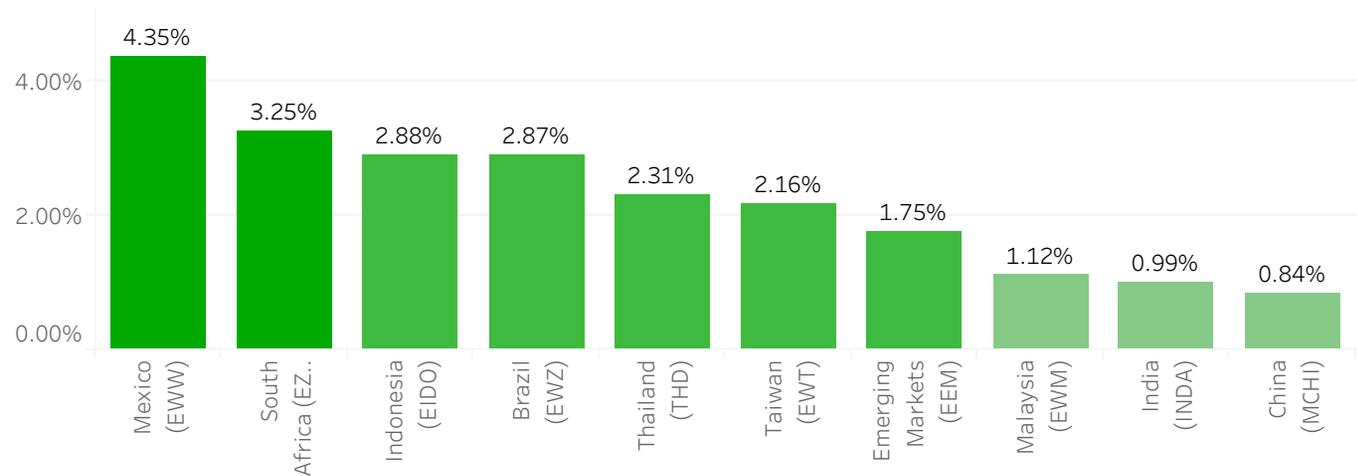
Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	38.76
BBCA	JPMorgan BetaBuilders Canada ETF	39.11
EWD	iShares MSCI Sweden ETF	39.42
PTIN	Pacer Trendpilot International ETF	39.66
EWC	iShares MSCI Canada ETF	39.97
EWU	iShares MSCI United Kingdom ETF	40.29
FLKR	Franklin FTSE South Korea ETF	40.43
FLGB	Franklin FTSE United Kingdom ETF	40.78
DFIV	Dimensional International Value ETF	41.20
IVAL	Alpha Architect International Quantitative Value ETF	41.51

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

Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



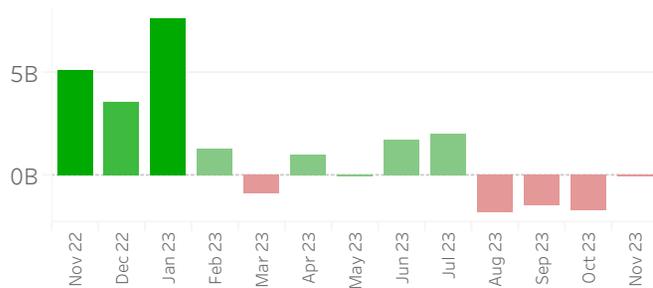
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWW	iShares MSCI Mexico ETF	4.35%
EWZS	iShares MSCI Brazil Small-Cap ETF	3.72%
FLLA	Franklin FTSE Latin America ETF	3.25%
EZA	iShares MSCI South Africa ETF	3.25%
EIDO	iShares MSCI Indonesia ETF	2.88%
EWZ	iShares MSCI Brazil ETF	2.87%
ILF	iShares Latin America 40 ETF	2.83%
FLBR	Franklin FTSE Brazil ETF	2.62%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	2.61%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	2.55%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	66.23
KSA	iShares MSCI Saudi Arabia ETF	56.32
ILF	iShares Latin America 40 ETF	55.65
EWW	iShares MSCI Mexico ETF	54.50
EWZ	iShares MSCI Brazil ETF	53.65
FLBR	Franklin FTSE Brazil ETF	53.43
FLN	First Trust Latin America AlphaDEX Fund	53.25
FLLA	Franklin FTSE Latin America ETF	53.22
DVYE	iShares Emerging Markets Dividend ETF	51.74
EZA	iShares MSCI South Africa ETF	50.80

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
RAYC	Rayliant Quantamental China Equity ETF	-0.51%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.48%
CNYA	iShares MSCI China A ETF	-0.48%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	0.05%
INDY	iShares India 50 ETF	0.47%
GXC	SPDR S&P China ETF	0.59%
EPU	iShares MSCI Peru and Global Exposure ETF	0.65%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.66%
FLCH	Franklin FTSE China ETF	0.68%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.69%

Emerging Most Oversold

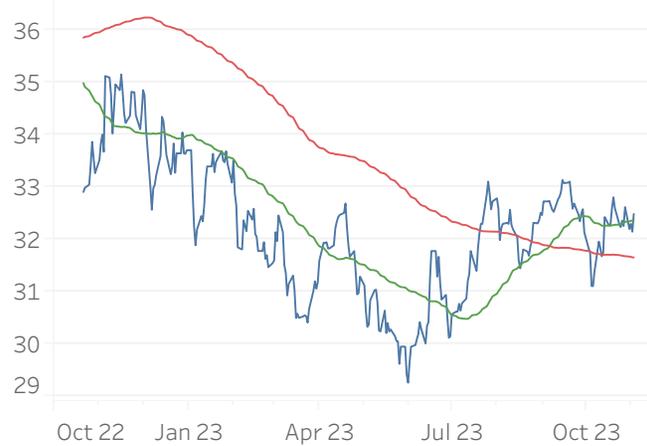
Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	21.71
VNM	VanEck Vietnam ETF	32.78
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	34.47
PGJ	Invesco Golden Dragon China ETF	38.10
EPHE	iShares MSCI Philippines ETF	38.36
FM	iShares Frontier and Select EM ETF	38.67
TUR	iShares MSCI Turkey ETF	38.93
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	39.00
PIN	Invesco India ETF	39.36
KWT	iShares MSCI Kuwait ETF	39.38

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

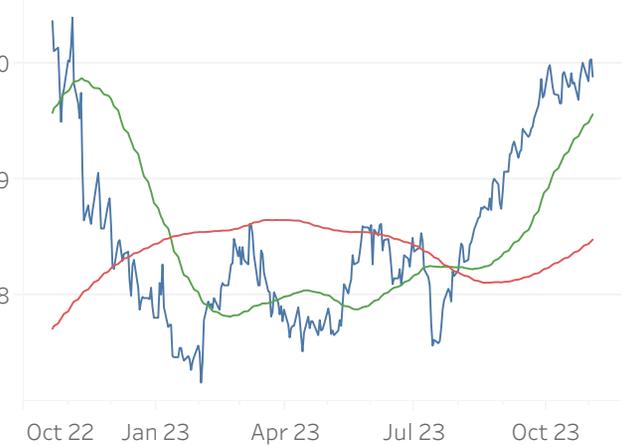
### Fixed Income (AGG)



### 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	0.60%	0.81%	-0.92%
SHY	1-3 Year Treasury Bonds	0.01%	0.67%	2.20%
IEF	7-10 Year Treasury Bonds	0.62%	0.63%	-2.77%
TLT	20+ Year Treasury Bonds	2.28%	0.46%	-10.10%
TIP	TIPS Bonds	0.46%	1.21%	-0.08%
FLOT	Floating Rate Bonds	-0.02%	0.42%	5.40%
LQD	Investment Grade Corporate	1.19%	1.08%	-0.46%
HYG	High Yield Corporate	1.13%	1.64%	5.20%
BKLN	Senior Loan	0.43%	0.72%	9.63%
PFF	Preferred & Income Securities	2.06%	0.28%	2.13%
MUB	Municipal Bonds	0.85%	0.37%	-1.09%
MBB	MBS	0.54%	0.69%	-2.44%
EMB	Dollar Denominated EM Bonds	1.00%	2.22%	1.91%
LEMB	Local Currency EM Bond	0.81%	1.54%	0.86%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.06%	2.07%	-3.62%
DBE	Energy	2.11%	-1.62%	0.53%
USO	WTI Crude Oil	1.91%	-4.04%	8.66%
BNO	Brent Crude Oil	2.06%	-2.54%	8.56%
UNG	Natural Gas	0.28%	9.95%	-48.30%
UGA	Gasoline	2.42%	-6.03%	6.42%
DBP	Precious Metals	0.24%	8.34%	5.23%
GLD	Gold	0.33%	8.53%	8.54%
SLV	Silver	-0.48%	7.47%	-5.22%
PPLT	abrdn Physical Platin..	0.06%	4.86%	-14.23%
PALL	abrdn Physical Palla..	0.49%	-7.93%	-37.83%
DBB	Base Metals	-0.05%	-1.96%	-5.04%
CPER	Copper	0.66%	1.86%	-0.61%
DBA	Agriculture	1.18%	3.06%	10.37%
CORN	Corn	-0.81%	-2.53%	-18.49%
SOYB	Soybeans	1.04%	2.20%	-2.53%
WEAT	Wheat	0.53%	-1.04%	-28.45%
CANE	Sugar	-0.07%	2.98%	59.60%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.50%	-0.23%	7.48%
UDN	Short Dollar	0.61%	1.08%	-0.43%
FXE	Euro	0.51%	1.48%	0.50%
FXB	British Pound Sterling	0.44%	1.13%	3.39%
FXF	Swiss Franc	0.24%	1.28%	1.79%
FXJ	Japanese Yen	0.29%	-0.45%	-13.15%
FXC	Canadian Dollar	0.96%	-0.22%	0.37%
FXA	Australian Dollar	0.62%	1.14%	-4.67%

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