

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

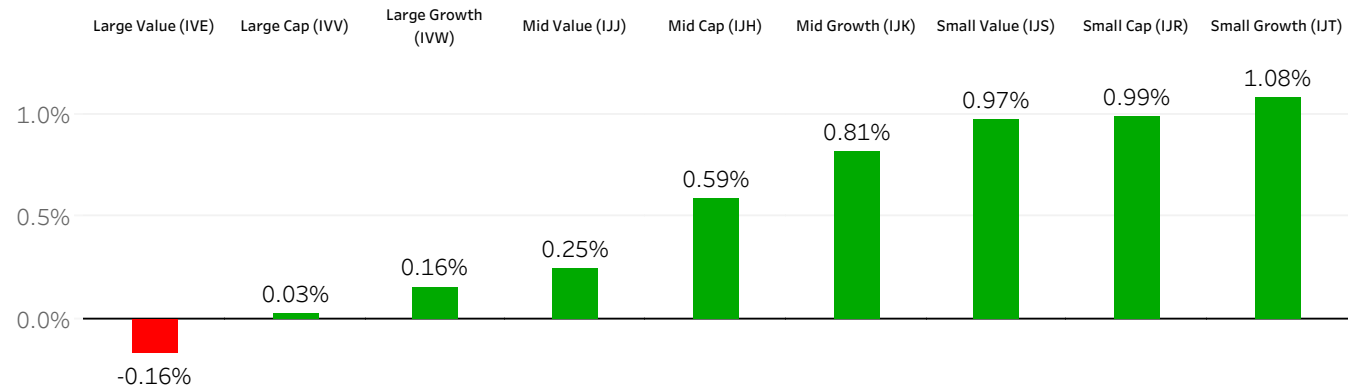


Small Cap Blend (S&P 600) IJR



■ 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
FPX	First Trust US Equity Opportunities ETF	2.22%
FFTY	Innovator IBD 50 ETF	1.76%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.72%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.68%
IPO	Renaissance IPO ETF	1.66%
QVAL	Alpha Architect US Quantitative Value ETF	1.60%
QMOM	Momentumshares US Quantitative Momentum ETF	1.58%
XSHQ	Invesco S&P SmallCap Quality ETF	1.57%
FYC	First Trust Small Cap Growth AlphaDEX Fund	1.50%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	1.49%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	56.84
QVAL	Alpha Architect US Quantitative Value ETF	50.65
XSVM	Invesco S&P SmallCap Value with Momentum ETF	46.32
SYLD	Cambria Shareholder Yield ETF	44.89
SIXS	ETC 6 Meridian Small Cap Equity ETF	44.71
CALF	Pacer US Small Cap Cash Cows 100 ETF	44.52
MGMT	Ballast Small/Mid Cap ETF	42.45
XSMO	Invesco S&P SmallCap Momentum ETF	42.41
XSHQ	Invesco S&P SmallCap Quality ETF	42.29
COWZ	Pacer US Cash Cows 100 ETF	41.99

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-0.71%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.64%
ABEQ	Absolute Select Value ETF	-0.57%
DURA	VanEck Durable High Dividend ETF	-0.53%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.52%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.51%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-0.43%
FVD	First Trust Value Line Dividend Index Fund	-0.40%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	-0.38%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-0.37%

Size & Style Most Oversold

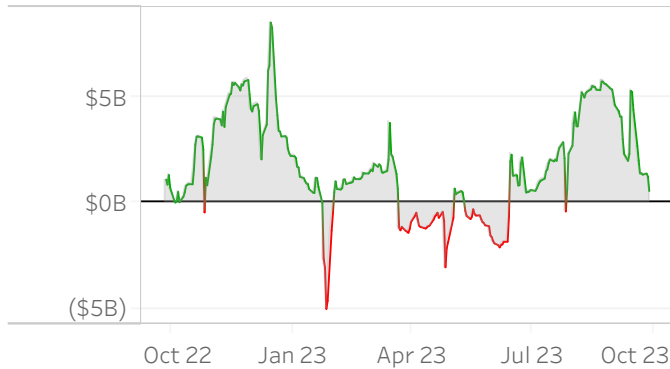
Ticker	Fund	Value
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	20.31
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	21.71
SDY	SPDR S&P Dividend ETF	22.38
AIVL	WisdomTree U.S. AI Enhanced Value Fund	23.00
HUSV	First Trust Horizon Managed Volatility Domestic ETF	23.19
VSDA	VictoryShares Dividend Accelerator ETF	23.34
FVD	First Trust Value Line Dividend Index Fund	23.57
GSEW	Goldman Sachs Equal Weight U.S. Large Cap Equity ..	24.01
SDOG	ALPS Sector Dividend Dogs ETF	24.33
DJD	Invesco Dow Jones Industrial Average Dividend ETF	24.39

\*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	\$7.27B	\$35.73B	\$66.29B	\$78.37B
Large Cap, Beta, Beta: Growth	10	\$270B	\$0.77B	\$3.29B	\$5.78B	\$17.56B
Large Cap, Beta, Beta: Value	11	\$216B	(\$0.63B)	\$1.52B	(\$4.08B)	(\$4.82B)
Mid Cap, Beta, Beta	10	\$187B	(\$0.09B)	\$6.13B	\$6.78B	\$12.73B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.03B)	\$0.23B	\$0.85B	\$0.85B
Mid Cap, Beta, Beta: Value	6	\$37B	\$0.00B	(\$0.58B)	(\$1.32B)	(\$0.94B)
Small Cap, Beta, Beta	11	\$191B	\$1.85B	\$3.43B	\$7.05B	\$11.44B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.01B)	\$0.20B	\$0.49B	\$1.10B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.26B)	(\$0.47B)	(\$1.53B)	(\$0.49B)

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

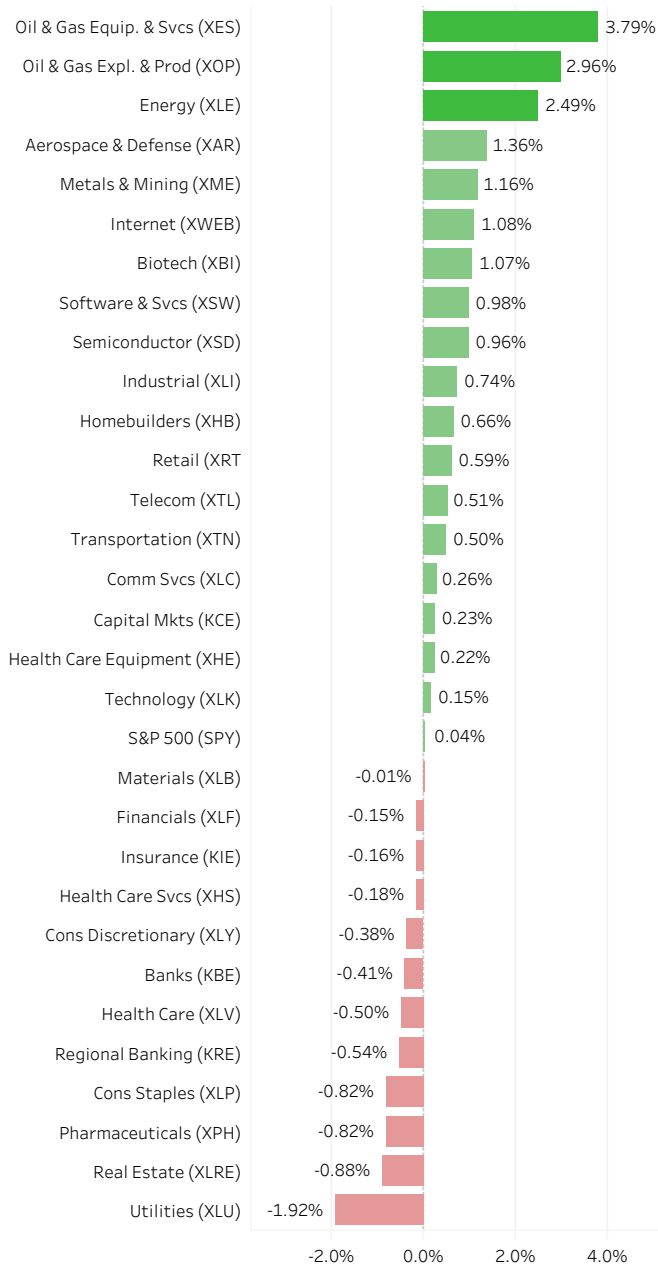
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$11.03B	\$0.25B	\$11.59B	\$13.87B	\$409.56B
IWM	iShares Russell 2000 ETF	\$1.85B	\$0.35B	\$1.43B	\$1.03B	\$51.28B
IWF	iShares Russell 1000 Growth ETF	\$0.86B	(\$0.01B)	\$0.13B	(\$0.24B)	\$68.62B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.39B	(\$0.25B)	(\$0.52B)	(\$1.21B)	\$28.28B
VOO	Vanguard S&P 500 ETF	\$0.32B	\$14.46B	\$25.35B	\$32.82B	\$322.55B
DGRW	WisdomTree US Quality Dividend Growth Fund	\$0.20B	\$0.78B	\$1.67B	\$2.12B	\$9.59B
SCHD	Schwab US Dividend Equity ETF	\$0.18B	\$1.21B	\$2.71B	\$10.61B	\$47.43B
PBUS	Invesco MSCI USA ETF	\$0.17B	\$0.74B	\$0.70B	\$0.66B	\$3.12B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.10B	\$3.92B	\$7.04B	\$10.33B	\$40.86B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.10B	\$1.90B	\$3.42B	\$4.87B	\$5.44B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$4.30B)	\$12.67B	\$14.82B	\$14.55B	\$333.27B
VTI	Vanguard Total Stock Market ETF	(\$0.79B)	\$6.02B	\$11.27B	\$21.35B	\$302.40B
IWD	iShares Russell 1000 Value ETF	(\$0.77B)	(\$1.14B)	(\$2.39B)	(\$4.82B)	\$47.99B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.34B)	(\$0.23B)	\$2.65B	\$9.08B	\$30.56B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.31B)	(\$0.44B)	(\$0.32B)	(\$0.85B)	\$28.66B
VBR	Vanguard Small Cap Value ETF	(\$0.17B)	\$0.19B	(\$0.01B)	\$0.94B	\$23.67B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.11B)	(\$0.02B)	(\$0.25B)	\$0.08B	\$18.29B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.08B)	(\$0.74B)	(\$1.79B)	(\$1.31B)	\$8.16B
SCHG	Schwab U.S. Large-Cap Growth ETF	(\$0.08B)	\$0.09B	\$0.68B	\$1.62B	\$18.62B
IWN	iShares Russell 2000 Value ETF	(\$0.07B)	(\$0.58B)	(\$0.93B)	(\$1.18B)	\$10.21B

\* 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)
XLE	Energy Select Sector SPDR Fund	-2.05%	20.32%	3.80%	8.62%	58.94
XLC	Communication Services Select Sector SPDR Fund	-5.22%	43.62%	-2.42%	8.51%	38.90
SPY	SPDR S&P 500 ETF Trust	-6.93%	19.49%	-4.32%	1.51%	29.76
XLV	Health Care Select Sector SPDR Fund	-7.85%	5.91%	-3.22%	-2.16%	31.95
XLI	Industrial Select Sector SPDR Fund	-8.36%	19.77%	-5.18%	-1.12%	31.45
XLB	Materials Select Sector SPDR Fund	-9.19%	14.17%	-5.32%	-3.68%	29.89
XLK	Technology Select Sector SPDR Fund	-10.01%	39.17%	-5.21%	5.05%	32.29
XLF	Financial Select Sector SPDR Fund	-10.16%	9.74%	-3.84%	-2.14%	30.47
XLV	Consumer Discretionary Select Sector SPDR Fund	-10.52%	25.42%	-6.03%	2.70%	31.17
XLP	Consumer Staples Select Sector SPDR Fund	-11.23%	2.24%	-5.91%	-6.90%	24.28
XLU	Utilities Select Sector SPDR Fund	-17.26%	0.00%	-6.41%	-9.96%	27.18
XLRE	Real Estate Select Sector SPDR Fund	-19.67%	0.00%	-8.74%	-10.30%	21.39

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	3.79%
PSCE	Invesco S&P SmallCap Energy ETF	3.69%
PXI	Invesco Dorsey Wright Energy Momentum ETF	3.09%
IEZ	iShares U.S. Oil Equipment & Services ETF	3.01%
FCG	First Trust Natural Gas ETF	2.99%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	2.96%
PXE	Invesco Energy Exploration & Production ETF	2.76%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	2.70%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.69%
FXN	First Trust Energy AlphaDEX Fund	2.68%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XES	SPDR S&P Oil & Gas Equipment & Services ETF	61.48
PXI	Invesco Dorsey Wright Energy Momentum ETF	61.07
VDE	Vanguard Energy ETF	60.74
PSCE	Invesco S&P SmallCap Energy ETF	59.30
FENY	Fidelity MSCI Energy Index ETF	59.01
XLE	Energy Select Sector SPDR Fund	58.94
MLPA	Global X MLP ETF	58.94
AMLP	Alerian MLP ETF	58.55
IEZ	iShares U.S. Oil Equipment & Services ETF	58.00
IYE	iShares U.S. Energy ETF	56.81

### Sector & Industry 1 Day Performance Laggards

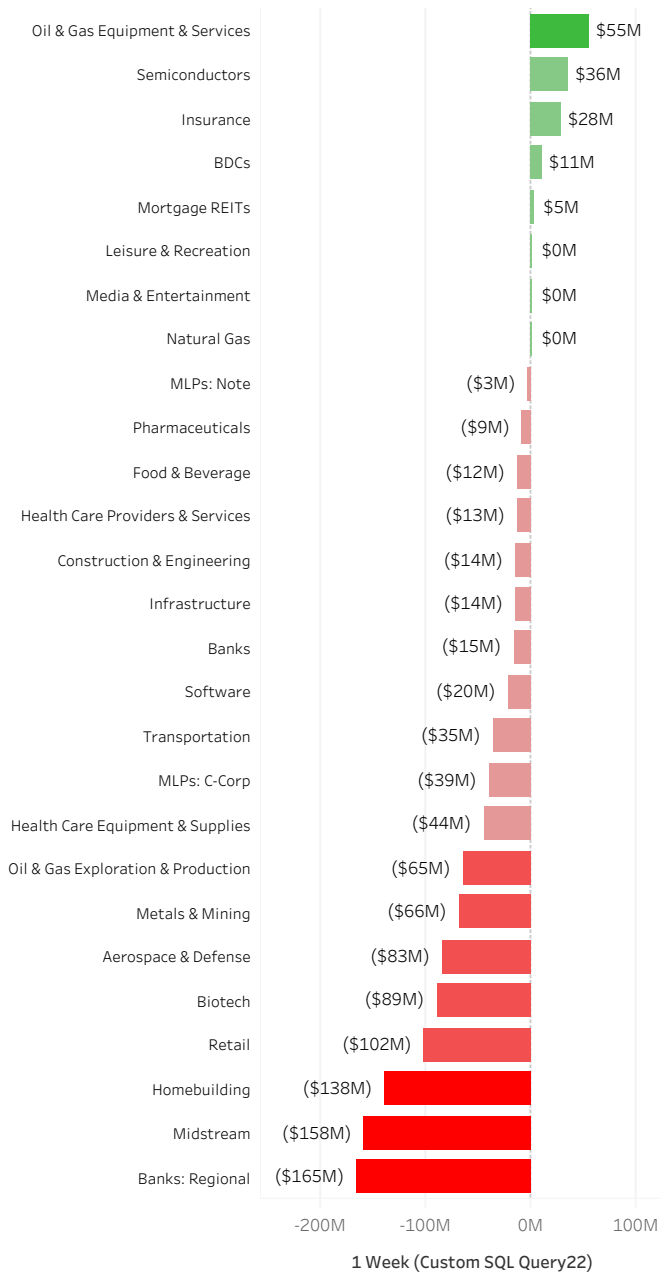
Ticker	Fund	1 Day Performance
XLU	Utilities Select Sector SPDR Fund	-1.92%
VPU	Vanguard Utilities ETF	-1.91%
FUTY	Fidelity MSCI Utilities Index ETF	-1.85%
IDU	iShares U.S. Utilities ETF	-1.78%
FXU	First Trust Utilities AlphaDEX Fund	-1.26%
IYK	iShares U.S. Consumer Staples ETF	-1.19%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-1.13%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-1.09%
PSR	Invesco Active U.S. Real Estate Fund	-0.97%
REZ	iShares Residential and Multisector Real Estate ETF	-0.96%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	18.47
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	19.27
NETL	NETLease Corporate Real Estate ETF	19.60
IYR	iShares U.S. Real Estate ETF	20.37
SCHH	Schwab U.S. REIT ETF	21.21
ICF	iShares Cohen & Steers REIT ETF	21.24
FREL	Fidelity MSCI Real Estate Index ETF	21.36
XLRE	Real Estate Select Sector SPDR Fund	21.39
PSR	Invesco Active U.S. Real Estate Fund	21.39
RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	21.58

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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	\$18B	(\$195M)	\$460M	\$2,502M	\$2,714M
Consumer Discretionary	12	\$27B	(\$291M)	\$1,553M	\$2,699M	\$2,719M
Consumer Staples	10	\$27B	(\$207M)	(\$953M)	(\$532M)	\$920M
Energy	31	\$75B	(\$119M)	\$2,492M	(\$3,709M)	(\$7,048M)
Financials	26	\$54B	(\$590M)	(\$2,462M)	(\$2,256M)	(\$368M)
Health Care	23	\$85B	(\$454M)	(\$2,654M)	(\$3,007M)	(\$3,555M)
Industrial	13	\$33B	\$165M	\$1,326M	\$1,216M	\$3,202M
Materials	9	\$12B	(\$304M)	(\$687M)	(\$1,946M)	(\$1,752M)
Multi-Sector	18	\$18B	(\$215M)	\$926M	\$2,485M	\$2,242M
Real Estate	25	\$51B	(\$102M)	\$360M	(\$1,100M)	(\$3,683M)
Technology	23	\$144B	\$287M	\$882M	\$701M	\$3,404M
Utilities	9	\$22B	(\$220M)	(\$791M)	(\$558M)	(\$1,464M)

## U.S. Sector & Industry Flow Leaders

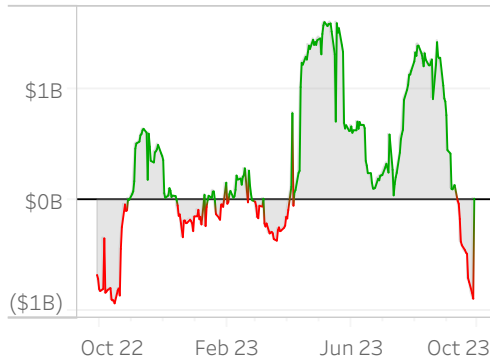
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$379M	\$819M	\$263M	(\$803M)	\$48,040M
XLI	Industrial Select Sector SPDR Fund	\$290M	\$1,017M	\$1,072M	\$1,318M	\$15,066M
XLE	Energy Select Sector SPDR Fund	\$104M	\$1,452M	(\$2,337M)	(\$2,705M)	\$38,762M
KCE	SPDR S&P Capital Markets ETF	\$96M	\$175M	\$198M	\$202M	\$316M
IEZ	iShares U.S. Oil Equipment & Services ETF	\$55M	\$117M	\$8M	\$118M	\$333M
SOXX	iShares Semiconductor ETF	\$46M	\$104M	\$134M	\$189M	\$8,223M
XBI	SPDR S&P BIOTECH ETF	\$37M	(\$10M)	(\$687M)	(\$669M)	\$5,534M
KIE	SPDR S&P Insurance ETF	\$28M	\$100M	\$93M	\$82M	\$594M
SCHH	Schwab U.S. REIT ETF	\$28M	\$148M	\$261M	\$527M	\$5,381M
VDC	Vanguard Consumer Staples ETF	\$19M	\$131M	\$195M	\$201M	\$6,674M

## U.S. Sector & Industry Flow Laggards

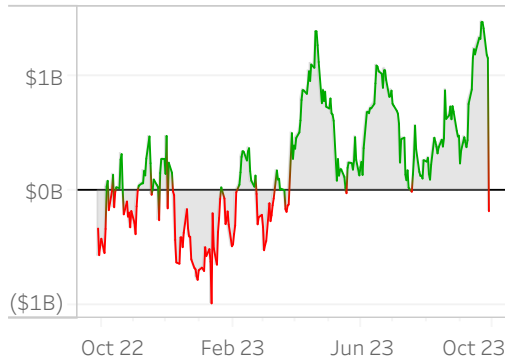
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$512M)	(\$2,322M)	(\$1,249M)	\$458M	\$30,638M
XLV	Health Care Select Sector SPDR Fund	(\$287M)	(\$1,579M)	(\$348M)	(\$398M)	\$38,730M
XLU	Utilities Select Sector SPDR Fund	(\$212M)	(\$573M)	(\$173M)	(\$768M)	\$14,389M
XLC	Communication Services Select Sector SPDR Fu..	(\$210M)	\$96M	\$2,116M	\$2,442M	\$13,246M
XLB	Materials Select Sector SPDR Fund	(\$204M)	(\$472M)	(\$160M)	(\$372M)	\$5,120M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$177M)	\$1,334M	\$2,219M	\$1,570M	\$17,702M
KRE	SPDR S&P Regional Banking ETF	(\$163M)	(\$446M)	(\$341M)	\$401M	\$2,598M
EMLP	First Trust North American Energy Infrastructu..	(\$152M)	(\$26M)	(\$93M)	(\$182M)	\$2,431M
XLP	Consumer Staples Select Sector SPDR Fund	(\$119M)	\$139M	\$579M	\$1,494M	\$16,526M
IBB	iShares Biotechnology ETF	(\$117M)	(\$431M)	(\$719M)	(\$766M)	\$7,003M

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Communication Services



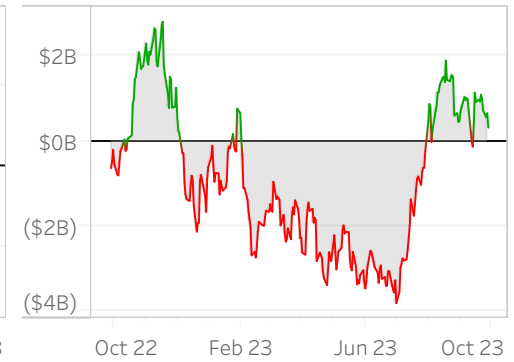
Consumer Discretionary



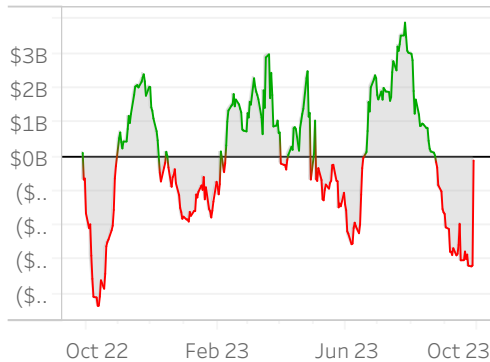
Consumer Staples



Energy



Financials



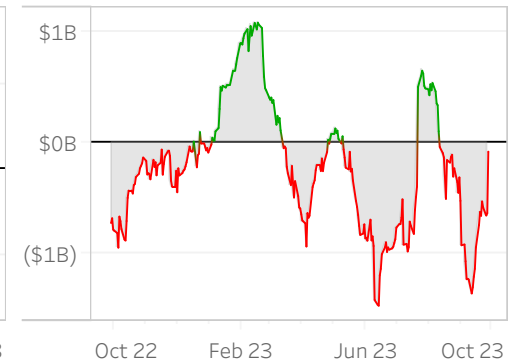
Industrial



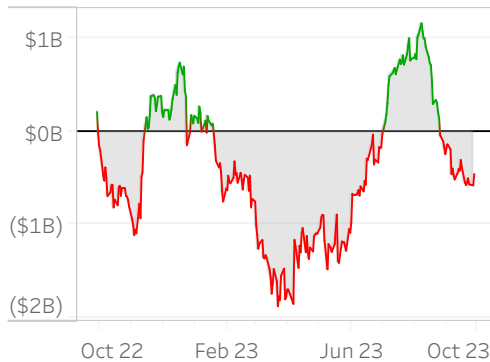
Health Care



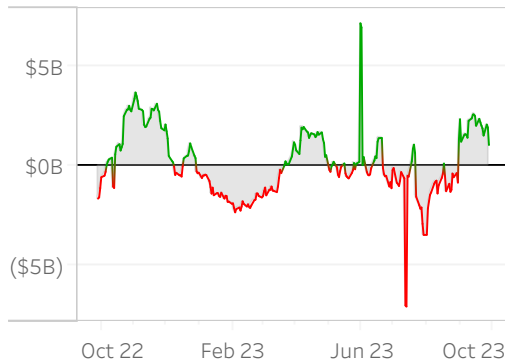
Materials



Real Estate



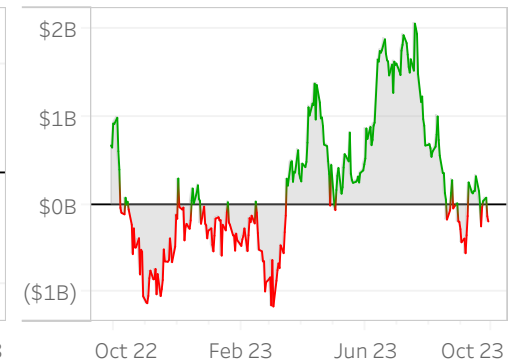
Technology



Utilities

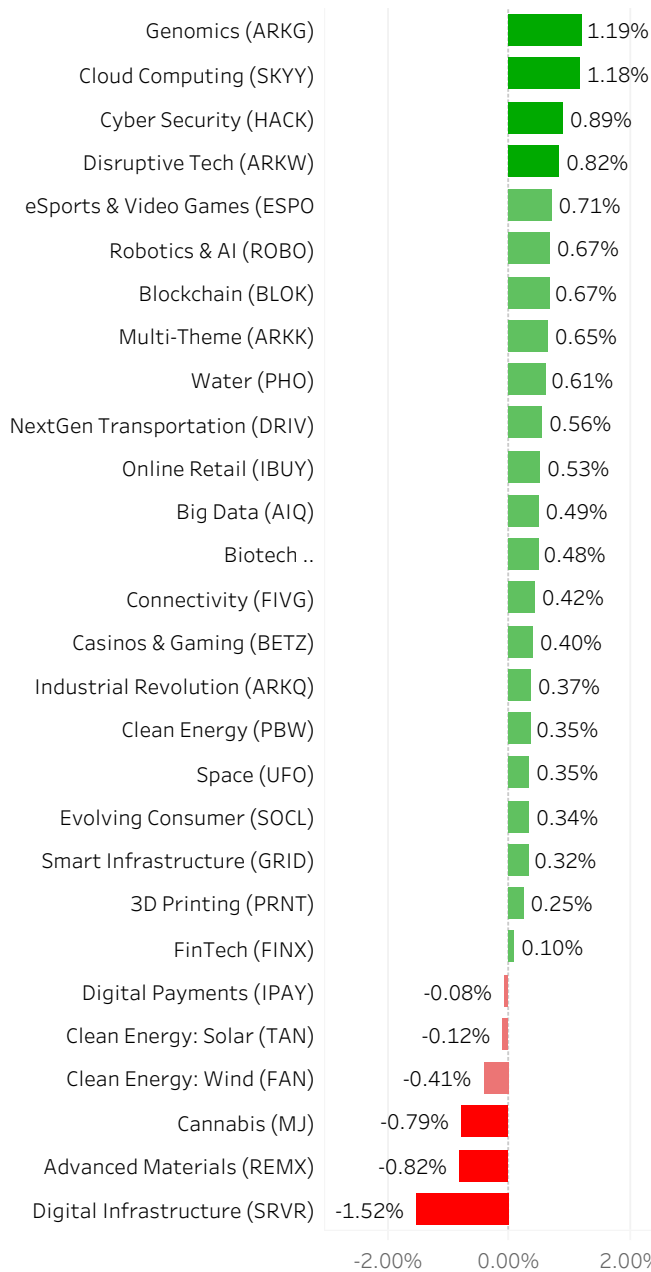


Multi-Sector

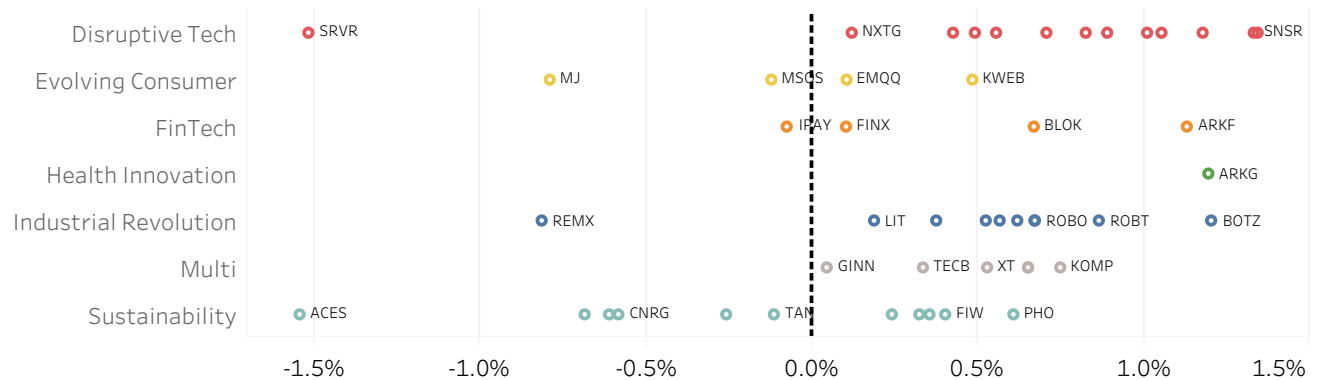


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	1.56%
BKCH	Global X Blockchain ETF	1.53%
GNOM	Global X Genomics & Biotechnology ETF	1.49%
WCLD	WisdomTree Cloud Computing Fund	1.34%
SNSR	Global X Internet of Things ETF	1.33%
XITK	SPDR FactSet Innovative Technology ETF	1.20%
BOTZ	Global X Robotics & Artificial Intelligence ETF	1.20%
ARKG	ARK Genomic Revolution ETF	1.19%
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	1.19%
SKYY	First Trust Cloud Computing ETF	1.18%

### Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	58.35
MJUS	ETFMG U.S. Alternative Harvest ETF	53.23
MJ	ETFMG Alternative Harvest ETF	50.78
HACK	ETFMG Prime Cyber Security ETF	43.03
BUG	Global X Cybersecurity ETF	42.98
KWEB	KraneShares CSI China Internet ETF	42.55
IHAK	iShares Cybersecurity & Tech ETF	41.96
CIBR	First Trust NASDAQ Cybersecurity ETF	41.06
SAMT	Stratigas Macro Thematic Opportunities ETF	37.45
ESPO	VanEck Video Gaming and eSports ETF	37.10

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
RNRG	Global X Renewable Energy Producers ETF	-2.52%
ACES	ALPS Clean Energy ETF	-1.55%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-1.52%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.31%
SMOG	VanEck Low Carbon Energy ETF	-1.23%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-0.85%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.82%
MJ	ETFMG Alternative Harvest ETF	-0.79%
CGW	Invesco S&P Global Water Index ETF	-0.69%
ICLN	iShares Global Clean Energy ETF	-0.61%

### Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	17.01
EDOC	Global X Telemedicine & Digital Health ETF Registered	18.38
SRVR	Pacer Data & Infrastructure Real Estate ETF	19.06
HTEC	ROBO Global Healthcare Technology and Innovation ETF	20.68
EVX	VanEck Environmental Services ETF	21.80
CGW	Invesco S&P Global Water Index ETF	22.34
FINX	Global X FinTech ETF	22.92
IPAY	ETFMG Prime Mobile Payments ETF	23.33
GBUY	Goldman Sachs Future Consumer Equity ETF	23.39
RNRG	Global X Renewable Energy Producers ETF	24.29

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### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
GNOM	Global X Genomics & Biotechnology ETF	\$47M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$8M
AIQ	Global X Artificial Intelligence & Technology ETF	\$6M
ARKG	ARK Genomic Revolution ETF	\$4M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
TARK	AXS 2X Innovation ETF	\$3M
THNQ	ROBO Global Artificial Intelligence ETF	\$3M
MSOS	AdvisorShares Pure US Cannabis ETF	\$2M
FMIL	Fidelity New Millennium ETF	\$2M
EVX	VanEck Environmental Services ETF	\$1M

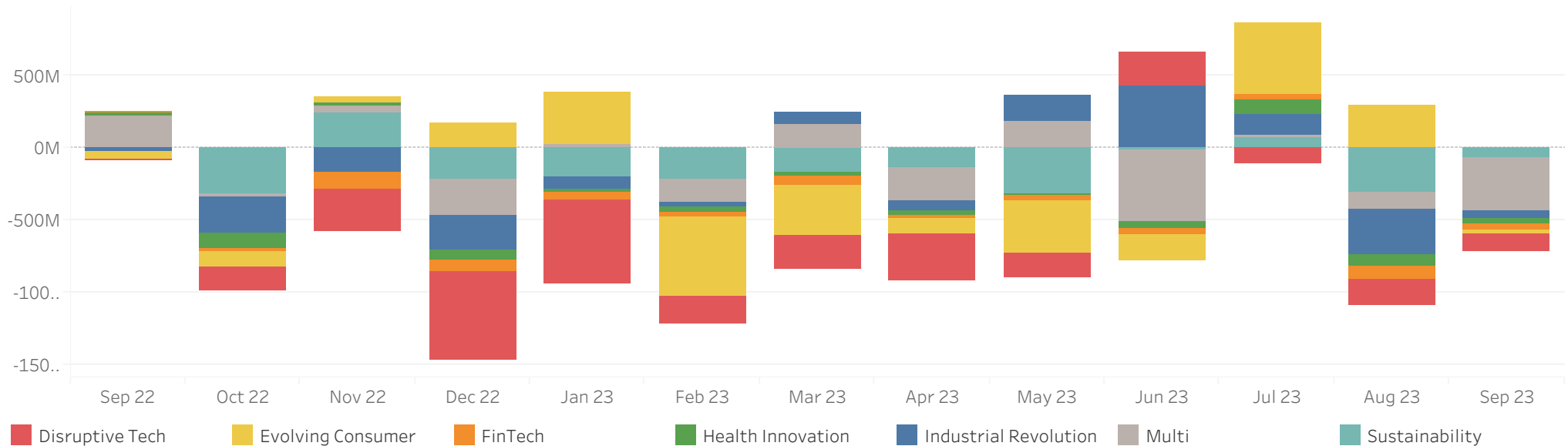
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$93M)
HERO	Global X Video Games & Esports ETF	(\$16M)
SKYY	First Trust Cloud Computing ETF	(\$15M)
WCLD	WisdomTree Cloud Computing Fund	(\$13M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$12M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$10M)
CLOU	Global X Cloud Computing ETF	(\$10M)
HTEC	ROBO Global Healthcare Technology and Innovation ETF	(\$8M)
IDRV	iShares Self-driving EV & Tech ETF	(\$7M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$7M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$37M)	(\$393M)	(\$710M)	(\$2,756M)
Evolving Consumer	40	\$9B	(\$25M)	\$734M	\$126M	(\$377M)
FinTech	17	\$2B	\$1M	(\$84M)	(\$189M)	(\$543M)
Health Innovation	18	\$3B	\$47M	(\$14M)	(\$150M)	(\$363M)
Industrial Revolution	30	\$10B	(\$18M)	(\$208M)	\$368M	(\$382M)
Multi	38	\$13B	(\$88M)	(\$416M)	(\$994M)	(\$1,014M)
Sustainability	40	\$14B	(\$15M)	(\$313M)	(\$821M)	(\$1,682M)
Grand Total	217	\$67B	(\$135M)	(\$694M)	(\$2,370M)	(\$7,116M)

### Thematic Monthly Flows

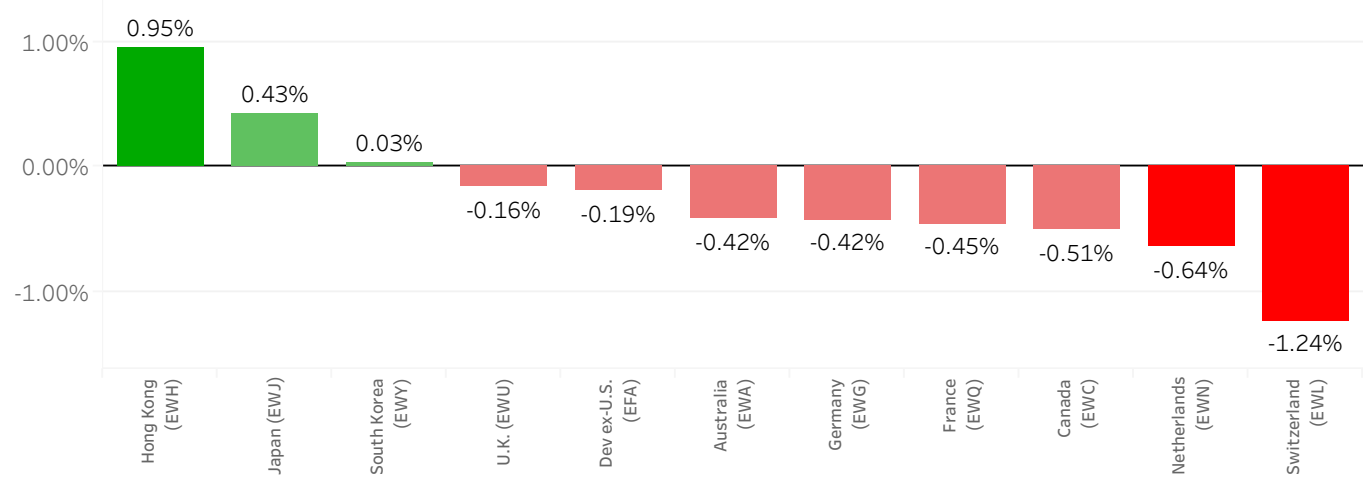


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

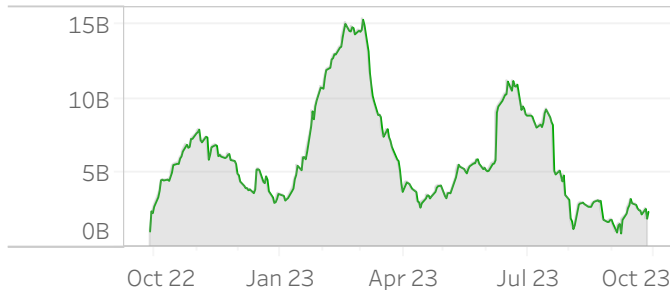
Developed ex-U.S. (EFA)



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



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



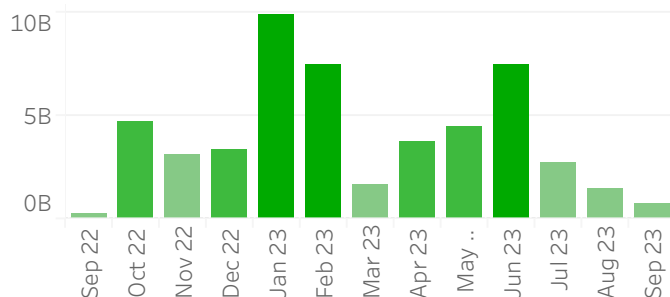
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
NORW	Global X MSCI Norway ETF	1.75%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.04%
EWH	iShares MSCI Hong Kong ETF	0.95%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.93%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.84%
FLJH	Franklin FTSE Japan Hedged ETF	0.79%
DXJ	WisdomTree Japan Hedged Equity Fund	0.66%
MINV	Matthews Asia Innovators Active ETF	0.65%
AIA	iShares Asia 50 ETF	0.47%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.44%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	59.48
DXJ	WisdomTree Japan Hedged Equity Fund	58.27
NORW	Global X MSCI Norway ETF	54.14
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	53.59
EWJV	iShares MSCI Japan Value ETF	53.51
HEWJ	iShares Currency Hedged MSCI Japan ETF	53.29
FLJH	Franklin FTSE Japan Hedged ETF	53.23
DFJ	WisdomTree Japan SmallCap Dividend Fund	50.16
FJP	First Trust Japan AlphaDEX Fund	49.18
LVHI	Franklin International Low Volatility High Dividend Index ..	44.57

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
GREK	Global X MSCI Greece ETF	-2.27%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.55%
EWL	iShares MSCI Switzerland ETF	-1.24%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.89%
FIDI	Fidelity International High Dividend ETF	-0.79%
IDV	iShares International Select Dividend ETF	-0.78%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-0.75%
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	-0.70%
EWN	iShares MSCI Netherlands ETF	-0.64%
CIL	VictoryShares International Volatility Wtd ETF	-0.63%

Developed ex-U.S. Most Oversold

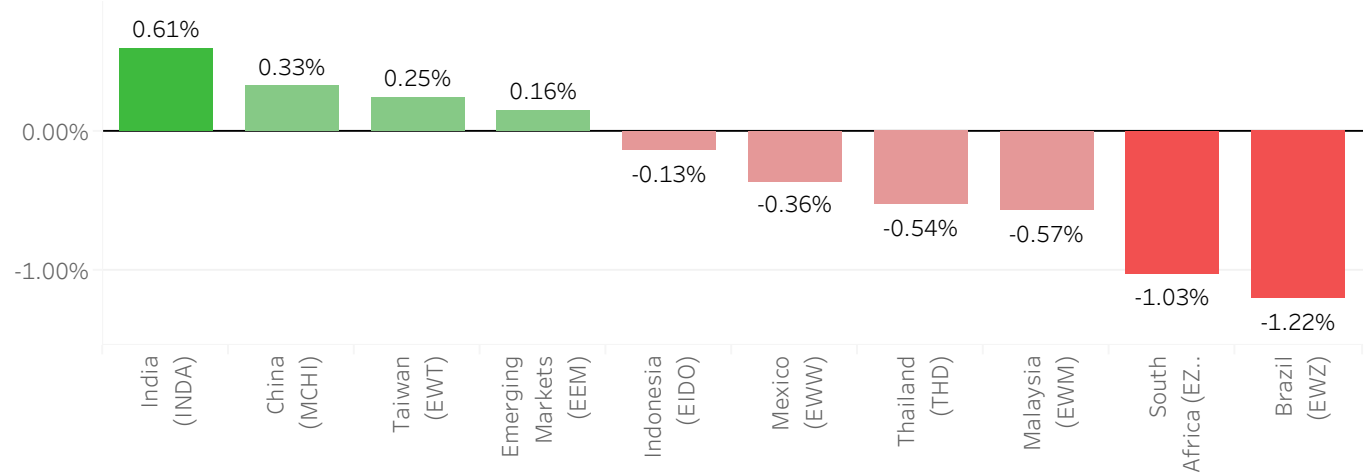
Ticker	Fund	Value
EWN	iShares MSCI Netherlands ETF	20.27
FSZ	First Trust Switzerland AlphaDEX Fund	20.39
BKCI	BNY Mellon Concentrated International ETF	21.97
EFAD	ProShares MSCI EAFE Dividend Growers ETF	23.35
EFG	iShares MSCI EAFE Growth ETF	23.62
EWG	iShares MSCI Germany ETF	24.05
FICS	First Trust International Developed Capital Strengt..	24.09
PIZ	Invesco Dorsey Wright Developed Markets Moment..	24.41
EUDG	WisdomTree Europe Quality Dividend Growth Fund	24.60
IQDG	WisdomTree International Quality Dividend Growth ..	24.67

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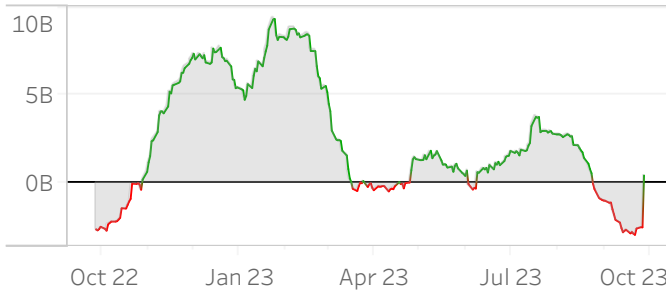
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



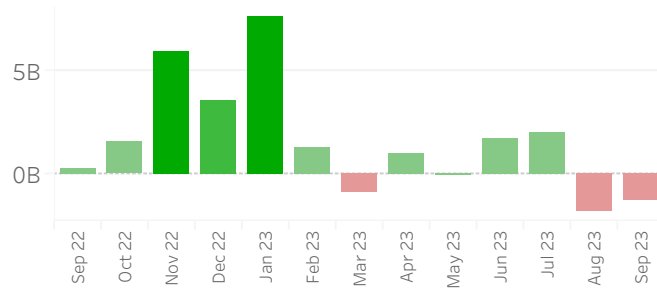
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	1.92%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.20%
KSA	iShares MSCI Saudi Arabia ETF	1.16%
GLIN	VanEck India Growth Leaders ETF	0.99%
NUEM	Nuveen ESG Emerging Markets Equity ETF	0.97%
PGJ	Invesco Golden Dragon China ETF	0.91%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.82%
PIN	Invesco India ETF	0.77%
FLIN	Franklin FTSE India ETF	0.69%
SMIN	iShares MSCI India Small Cap ETF	0.67%

Emerging Most Overbought

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	57.11
TUR	iShares MSCI Turkey ETF	56.30
GLIN	VanEck India Growth Leaders ETF	55.04
NFTY	First Trust India NIFTY 50 Equal Weight ETF	54.28
SMIN	iShares MSCI India Small Cap ETF	53.44
FLIN	Franklin FTSE India ETF	51.94
EPI	WisdomTree India Earnings Fund	51.73
INDA	iShares MSCI India ETF	51.31
PIN	Invesco India ETF	48.55
INDY	iShares India 50 ETF	46.08

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	-2.20%
ECH	iShares MSCI Chile ETF	-1.48%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.37%
EWZ	iShares MSCI Brazil ETF	-1.22%
FLN	First Trust Latin America AlphaDEX Fund	-1.06%
EZA	iShares MSCI South Africa ETF	-1.03%
FLBR	Franklin FTSE Brazil ETF	-0.99%
FLLA	Franklin FTSE Latin America ETF	-0.87%
TUR	iShares MSCI Turkey ETF	-0.81%
FRDM	Freedom 100 Emerging Markets ETF	-0.77%

Emerging Most Oversold

Ticker	Fund	Value
FRDM	Freedom 100 Emerging Markets ETF	21.40
ECH	iShares MSCI Chile ETF	23.30
EPOL	iShares MSCI Poland ETF	26.01
EELV	Invesco S&P Emerging Markets Low Volatility ETF	26.26
EPU	iShares MSCI Peru and Global Exposure ETF	26.63
ARGT	Global X MSCI Argentina ETF	26.65
THD	iShares MSCI Thailand ETF	28.32
EWZS	iShares MSCI Brazil Small-Cap ETF	29.01
FEM	First Trust Emerging Markets AlphaDEX Fund	29.43
KWT	iShares MSCI Kuwait ETF	29.58

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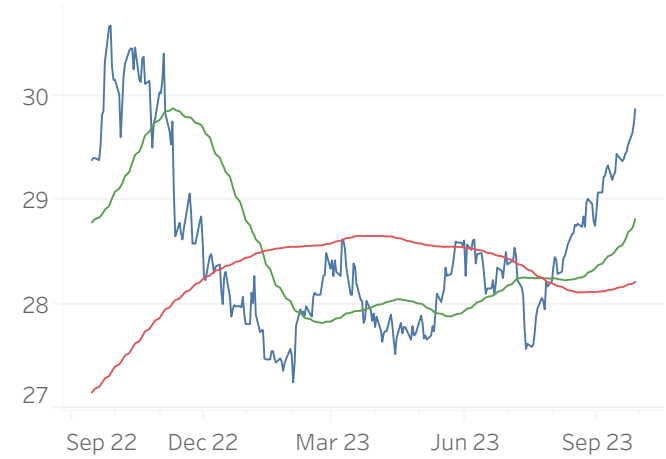
Fixed Income (AGG)



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	-0.35%	-1.84%	-1.23%
SHY	1-3 Year Treasury Bonds	-0.07%	0.12%	1.43%
IEF	7-10 Year Treasury Bonds	-0.45%	-2.28%	-2.88%
TLT	20+ Year Treasury Bonds	-0.52%	-6.87%	-9.28%
TIP	TIPS Bonds	-0.16%	-1.62%	-0.98%
FLOT	Floating Rate Bonds	0.02%	0.56%	4.82%
LQD	Investment Grade Corporate	-0.47%	-2.41%	-0.58%
HYG	High Yield Corporate	-0.14%	-1.05%	3.80%
BKLN	Senior Loan	-0.05%	0.71%	8.89%
PFF	Preferred & Income Securities	0.05%	-0.05%	2.81%
MUB	Municipal Bonds	-0.26%	-1.87%	-0.83%
MBB	MBS	-0.60%	-2.37%	-2.43%
EMB	Dollar Denominated EM Bonds	-0.43%	-2.49%	0.67%
LEMB	Local Currency EM Bond	-0.95%	-5.01%	-0.55%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.46%	0.56%	-3.59%
DBE	Energy	1.23%	7.31%	5.75%
USO	WTI Crude Oil	2.50%	14.42%	18.24%
BNO	Brent Crude Oil	1.90%	13.82%	15.91%
UNG	Natural Gas	1.66%	-2.04%	-52.34%
UGA	Gasoline	0.93%	-1.34%	19.55%
DBP	Precious Metals	-1.27%	-2.95%	0.40%
GLD	Gold	-1.24%	-1.98%	2.63%
SLV	Silver	-1.24%	-6.84%	-5.99%
PPLT	abrdn Physical Platin..	-1.62%	-5.85%	-17.29%
PALL	abrdn Physical Palla..	-0.34%	-0.57%	-31.83%
DBB	Base Metals	-0.05%	1.43%	-5.30%
CPER	Copper	-0.18%	-3.18%	-2.56%
DBA	Agriculture	-0.28%	-0.05%	7.25%
CORN	Corn	0.99%	0.22%	-17.04%
SOYB	Soybeans	0.26%	-3.71%	-3.47%
WEAT	Wheat	-1.02%	-5.05%	-26.94%
CANE	Sugar	0.58%	5.35%	53.99%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.47%	2.96%	7.41%
UDN	Short Dollar	-0.65%	-2.25%	-1.46%
FXE	Euro	-0.61%	-2.60%	-0.81%
FXB	British Pound Sterling	-0.09%	-3.21%	2.60%
FXF	Swiss Franc	-0.58%	-3.98%	0.13%
FXJ	Japanese Yen	-0.35%	-2.25%	-12.64%
FXC	Canadian Dollar	0.06%	0.96%	1.82%
FXA	Australian Dollar	-0.66%	-0.82%	-5.97%

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