

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

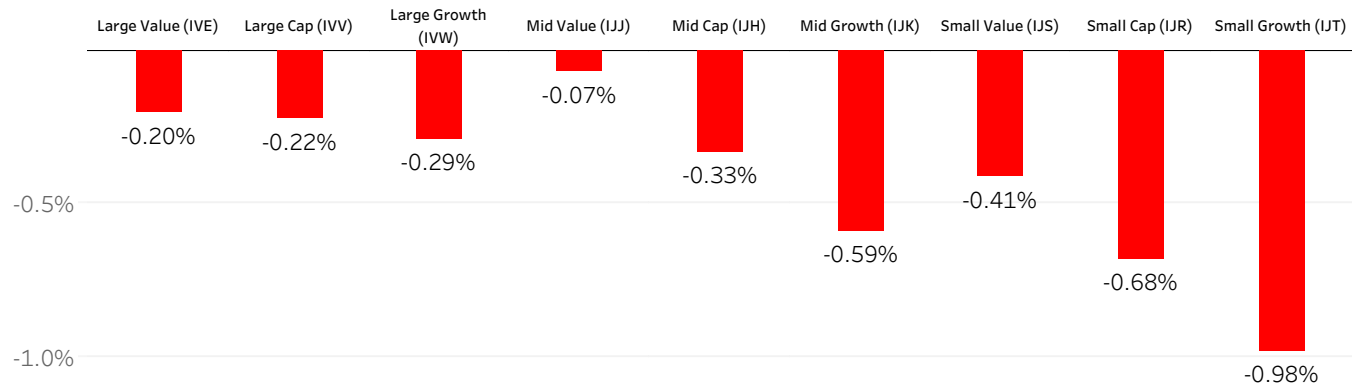


Small Cap Blend (S&P 600) IJR



■ 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
IPO	Renaissance IPO ETF	0.96%
LCG	Sterling Capital Focus Equity ETF	0.69%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.63%
BUZZ	VanEck Social Sentiment ETF	0.55%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	0.52%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.48%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.31%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.29%
QQQN	VictoryShares Nasdaq Next 50 ETF	0.27%
EDOW	First Trust Dow 30 Equal Weight ETF	0.24%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	63.94
QVAL	Alpha Architect US Quantitative Value ETF	50.89
XSVM	Invesco S&P SmallCap Value with Momentum ETF	49.96
CALF	Pacer US Small Cap Cash Cows 100 ETF	48.83
XMMO	Invesco S&P MidCap Momentum ETF	48.70
IPO	Renaissance IPO ETF	48.01
MGMT	Ballast Small/Mid Cap ETF	46.73
SYLD	Cambria Shareholder Yield ETF	46.66
SIXS	ETC 6 Meridian Small Cap Equity ETF	46.03
CSD	Invesco S&P Spin-Off ETF	45.65

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
XSMO	Invesco S&P SmallCap Momentum ETF	-1.41%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-1.23%
VIOG	Vanguard S&P Small-Cap 600 Growth ETF	-1.20%
SLYG	SPDR S&P 600 Small Cap Growth ETF	-1.16%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-1.10%
QVAL	Alpha Architect US Quantitative Value ETF	-1.09%
QMOM	Momentumshares US Quantitative Momentum ETF	-1.06%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-0.99%
IJT	iShares S&P Small-Cap 600 Growth ETF	-0.98%
XSHQ	Invesco S&P SmallCap Quality ETF	-0.92%

Size & Style Most Oversold

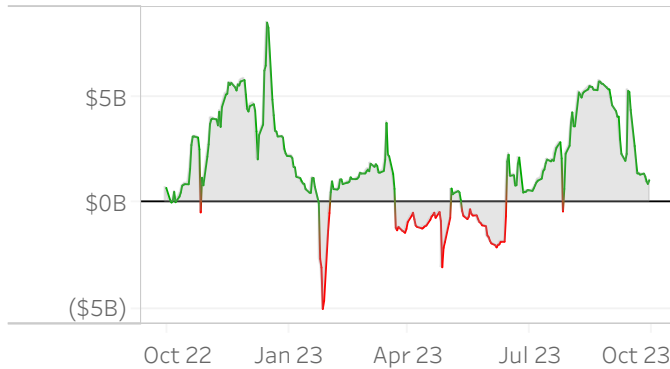
Ticker	Fund	Price
FVD	First Trust Value Line Dividend Index Fund	23.07
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	23.58
SDY	SPDR S&P Dividend ETF	23.78
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	24.41
CDL	VictoryShares US Large Cap High Dividend Volatility ..	26.01
SPLV	Invesco S&P 500 Low Volatility ETF	26.05
DVY	iShares Select Dividend ETF	26.70
VIG	Vanguard Dividend Appreciation ETF	26.80
VOOV	Vanguard S&P 500 Value ETF	26.96
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	27.04

*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	\$1.68B	\$27.72B	\$69.15B	\$76.09B
Large Cap, Beta, Beta: Growth	10	\$272B	(\$0.14B)	\$3.42B	\$5.27B	\$16.46B
Large Cap, Beta, Beta: Value	11	\$216B	\$0.07B	\$1.29B	(\$3.74B)	(\$5.15B)
Mid Cap, Beta, Beta	10	\$190B	(\$0.01B)	\$6.23B	\$6.48B	\$12.50B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.01B)	\$0.25B	\$0.83B	\$0.87B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.08B)	(\$0.51B)	(\$1.36B)	(\$0.97B)
Small Cap, Beta, Beta	11	\$195B	\$2.06B	\$3.85B	\$8.12B	\$11.59B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.11B	\$0.28B	\$0.62B	\$1.14B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.09B)	(\$0.57B)	(\$1.55B)	(\$0.64B)

U.S. Size & Style Flow Leaders

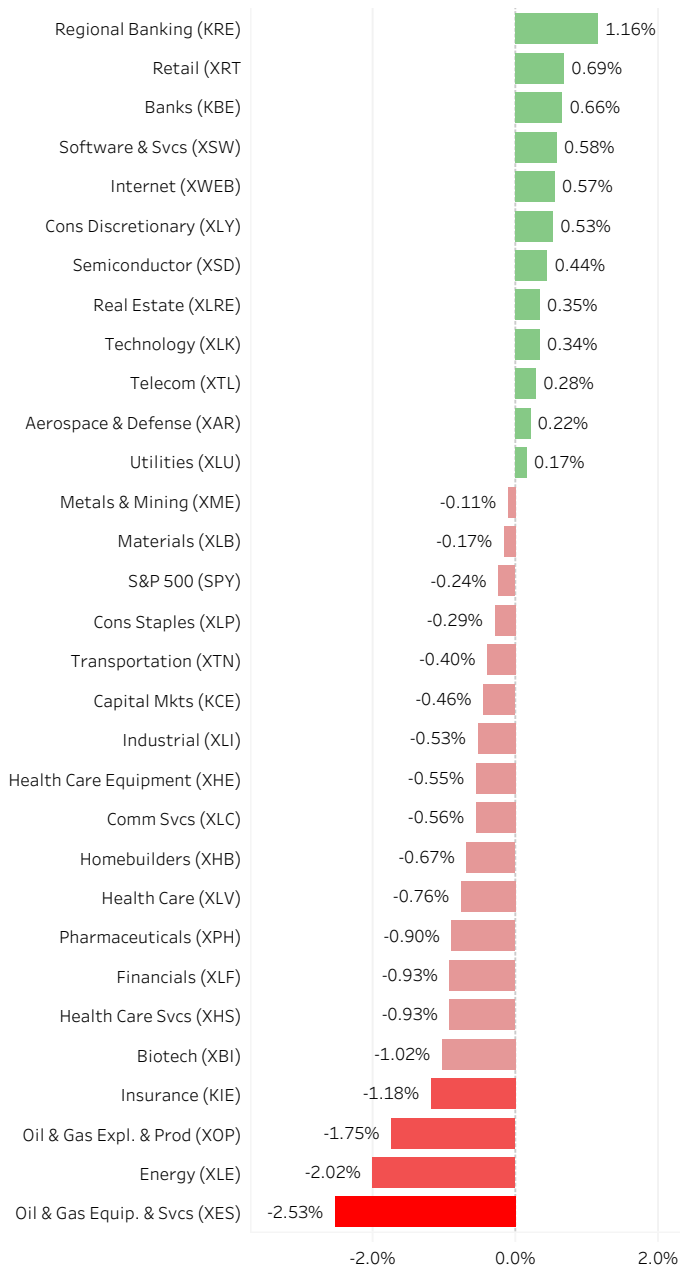
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$5.19B	\$18.89B	\$22.05B	\$19.73B	\$340.85B
IWM	iShares Russell 2000 ETF	\$1.73B	\$0.53B	\$2.36B	\$1.33B	\$52.39B
CGDV	Capital Group Dividend Value ETF	\$0.79B	\$1.39B	\$1.86B	\$2.82B	\$3.86B
VTI	Vanguard Total Stock Market ETF	\$0.62B	\$5.17B	\$10.93B	\$20.82B	\$304.89B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.34B	(\$0.33B)	(\$0.47B)	(\$1.60B)	\$28.23B
VOO	Vanguard S&P 500 ETF	\$0.28B	\$9.11B	\$25.27B	\$33.25B	\$323.58B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.25B	\$0.43B	\$0.67B	(\$2.09B)	\$43.61B
DGRW	WisdomTree US Quality Dividend Growth Fund	\$0.22B	\$0.79B	\$1.42B	\$2.15B	\$9.67B
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	\$0.20B	\$0.79B	\$3.23B	\$3.95B	\$8.05B
PBUS	Invesco MSCI USA ETF	\$0.17B	\$0.74B	\$0.67B	\$0.66B	\$3.10B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.41B)	(\$0.37B)	\$2.26B	\$9.06B	\$30.77B
QQQ	Invesco QQQ Trust Series I	(\$0.32B)	\$3.50B	\$4.93B	\$0.62B	\$197.11B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.28B)	(\$0.91B)	(\$0.71B)	(\$1.51B)	\$27.98B
IWD	iShares Russell 1000 Value ETF	(\$0.16B)	(\$1.17B)	(\$2.42B)	(\$5.17B)	\$48.24B
CDC	VictoryShares US EQ Income Enhanced Volatil..	(\$0.13B)	(\$0.36B)	(\$0.59B)	(\$0.64B)	\$1.18B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.11B)	(\$0.20B)	(\$0.46B)	(\$1.59B)	\$10.78B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.11B)	(\$0.47B)	(\$0.89B)	(\$1.83B)	\$8.21B
IWF	iShares Russell 1000 Growth ETF	(\$0.11B)	\$0.02B	\$0.07B	(\$0.43B)	\$69.19B
SCHG	Schwab U.S. Large-Cap Growth ETF	(\$0.09B)	\$0.07B	\$0.64B	\$1.60B	\$18.80B
QQQM	Invesco NASDAQ 100 ETF	(\$0.09B)	\$0.93B	\$4.20B	\$7.35B	\$14.14B

* 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)
XLE	Energy Select Sector SPDR Fund	-3.92%	18.02%	1.48%	6.48%	50.44
XLC	Communication Services Select Sector SPDR Fund	-4.71%	44.40%	-1.89%	8.76%	42.90
SPY	SPDR S&P 500 ETF Trust	-6.62%	19.53%	-3.79%	1.74%	33.39
XLV	Health Care Select Sector SPDR Fund	-8.11%	4.02%	-3.30%	-2.38%	32.84
XLB	Materials Select Sector SPDR Fund	-8.36%	15.21%	-4.22%	-2.80%	36.50
XLI	Industrial Select Sector SPDR Fund	-8.46%	19.64%	-5.00%	-1.26%	32.56
XLY	Consumer Discretionary Select Sector SPDR Fund	-9.04%	27.50%	-4.24%	4.19%	38.62
XLK	Technology Select Sector SPDR Fund	-9.06%	40.35%	-3.93%	5.89%	38.11
XLF	Financial Select Sector SPDR Fund	-10.35%	7.07%	-3.82%	-2.33%	32.57
XLP	Consumer Staples Select Sector SPDR Fund	-11.21%	1.90%	-5.56%	-6.81%	26.11
XLRE	Real Estate Select Sector SPDR Fund	-18.55%	1.40%	-7.00%	-8.97%	29.65
XLU	Utilities Select Sector SPDR Fund	-18.91%	0.17%	-7.76%	-11.60%	23.93

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	1.18%
IAT	iShares U.S. Regional Banks ETF	1.17%
KRE	SPDR S&P Regional Banking ETF	1.16%
QABA	First Trust NASDAQ ABA Community Bank Index F..	0.74%
XRT	SPDR S&P Retail ETF	0.69%
KBE	SPDR S&P Bank ETF	0.66%
XSW	SPDR S&P Software & Services ETF	0.58%
JPRE	JPMorgan Realty Income ETF	0.56%
VCR	Vanguard Consumer Discretionary ETF	0.54%
XLY	Consumer Discretionary Select Sector SPDR Fund	0.53%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
BIZD	VanEck BDC Income ETF	57.89
AMLP	Alerian MLP ETF	57.35
MLPA	Global X MLP ETF	55.63
PXI	Invesco Dorsey Wright Energy Momentum ETF	53.94
XME	SPDR S&P Metals & Mining ETF	53.73
FENY	Fidelity MSCI Energy Index ETF	51.29
PXE	Invesco Energy Exploration & Production ETF	51.08
PSCE	Invesco S&P SmallCap Energy ETF	50.95
FTXN	First Trust Nasdaq Oil & Gas ETF	50.51
XLE	Energy Select Sector SPDR Fund	50.44

Sector & Industry 1 Day Performance Laggards

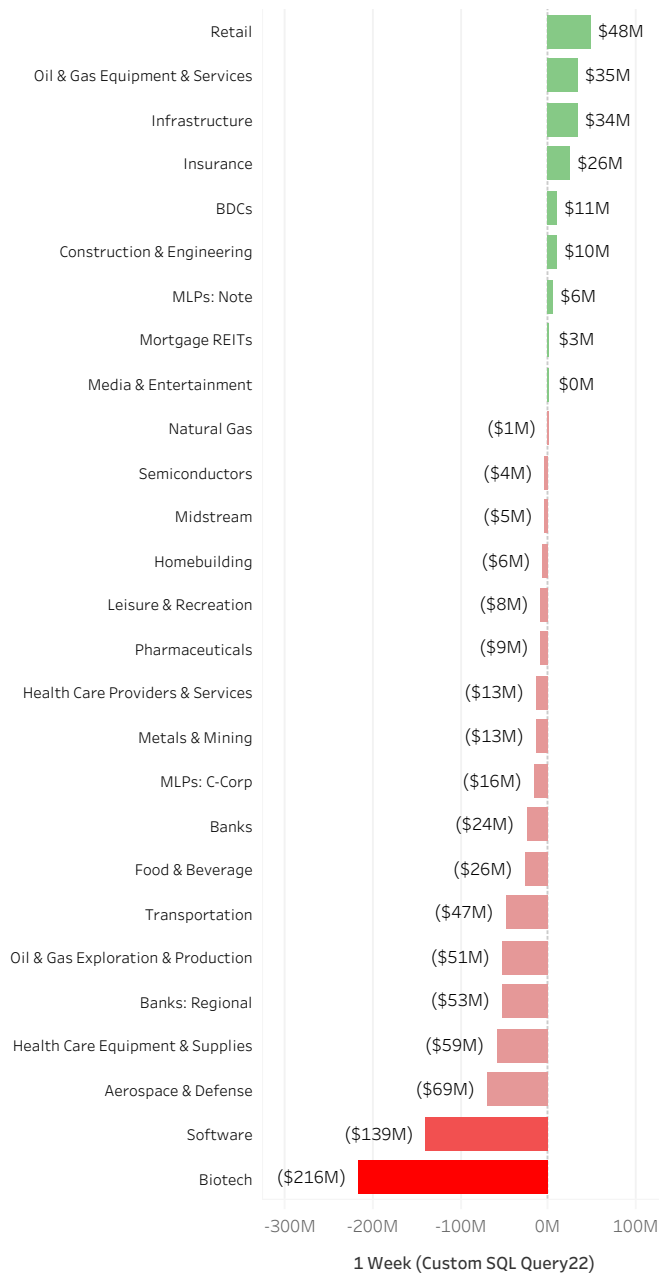
Ticker	Fund	1 Day Performance
IEZ	iShares U.S. Oil Equipment & Services ETF	-3.18%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.53%
PSCE	Invesco S&P SmallCap Energy ETF	-2.31%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	-2.17%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.08%
XLE	Energy Select Sector SPDR Fund	-2.02%
VDE	Vanguard Energy ETF	-1.98%
FENY	Fidelity MSCI Energy Index ETF	-1.97%
PXI	Invesco Dorsey Wright Energy Momentum ETF	-1.91%
IYE	iShares U.S. Energy ETF	-1.90%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	21.97
FTXG	First Trust Nasdaq Food & Beverage ETF	22.34
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	22.61
VPU	Vanguard Utilities ETF	22.87
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	22.99
PJP	Invesco Pharmaceuticals ETF	23.14
IHE	iShares U.S. Pharmaceuticals ETF	23.25
FUTY	Fidelity MSCI Utilities Index ETF	23.53
IDU	iShares U.S. Utilities ETF	23.63
FXU	First Trust Utilities AlphaDEX Fund	23.64

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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	(\$156M)	\$295M	\$2,224M	\$2,667M
Consumer Discretionary	12	\$27B	\$63M	\$1,667M	\$2,799M	\$2,986M
Consumer Staples	10	\$27B	(\$228M)	(\$1,166M)	(\$537M)	\$917M
Energy	31	\$76B	\$549M	\$2,740M	(\$2,876M)	(\$6,656M)
Financials	26	\$54B	\$163M	(\$1,917M)	(\$999M)	(\$85M)
Health Care	23	\$85B	(\$539M)	(\$2,989M)	(\$2,963M)	(\$3,562M)
Industrial	13	\$32B	(\$568M)	\$601M	\$743M	\$2,710M
Materials	9	\$12B	(\$109M)	(\$820M)	(\$2,005M)	(\$1,783M)
Multi-Sector	18	\$18B	(\$11M)	\$818M	\$2,614M	\$2,366M
Real Estate	25	\$51B	\$92M	\$416M	(\$1,033M)	(\$3,538M)
Technology	23	\$145B	(\$30M)	\$15M	\$843M	\$3,108M
Utilities	9	\$21B	(\$449M)	(\$820M)	(\$707M)	(\$2,040M)

U.S. Sector & Industry Flow Leaders

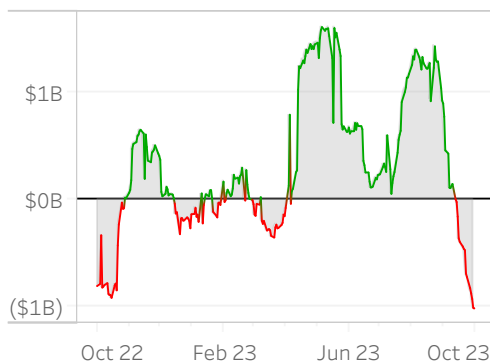
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$599M	\$1,839M	(\$1,873M)	(\$2,428M)	\$39,996M
XLF	Financial Select Sector SPDR Fund	\$226M	(\$1,756M)	(\$227M)	\$713M	\$30,549M
XLK	Technology Select Sector SPDR Fund	\$124M	\$676M	\$383M	(\$1,180M)	\$47,503M
RSPT	Invesco S&P 500 Equal Weight Technology ETF	\$117M	\$99M	\$355M	\$750M	\$3,032M
RSPD	Invesco S&P 500 Equal Weight Consumer Discr..	\$96M	\$104M	\$94M	\$186M	\$564M
VHT	Vanguard Health Care ETF	\$77M	\$112M	(\$87M)	\$208M	\$16,456M
IYR	iShares U.S. Real Estate ETF	\$56M	\$56M	(\$514M)	(\$986M)	\$2,625M
XRT	SPDR S&P Retail ETF	\$48M	(\$76M)	(\$3M)	\$110M	\$420M
QTEC	First Trust NASDAQ-100 Technology Sector Ind..	\$36M	\$970M	\$1,056M	\$942M	\$2,796M
SCHH	Schwab U.S. REIT ETF	\$31M	\$156M	\$266M	\$542M	\$5,412M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$444M)	\$447M	\$661M	\$889M	\$14,523M
XLU	Utilities Select Sector SPDR Fund	(\$398M)	(\$582M)	(\$296M)	(\$1,318M)	\$13,139M
XLV	Health Care Select Sector SPDR Fund	(\$318M)	(\$1,844M)	(\$426M)	(\$246M)	\$38,210M
XLC	Communication Services Select Sector SPDR Fu..	(\$173M)	(\$96M)	\$1,797M	\$2,373M	\$13,156M
XLP	Consumer Staples Select Sector SPDR Fund	(\$170M)	\$10M	\$636M	\$1,482M	\$16,193M
XBI	SPDR S&P BIOTECH ETF	(\$142M)	(\$211M)	(\$729M)	(\$851M)	\$5,550M
IGV	iShares Expanded Tech-Software Sector ETF	(\$135M)	\$32M	\$290M	\$195M	\$6,253M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$96M)	\$1,303M	\$2,156M	\$1,653M	\$17,445M
XLB	Materials Select Sector SPDR Fund	(\$94M)	(\$615M)	(\$249M)	(\$385M)	\$5,018M
VDE	Vanguard Energy ETF	(\$78M)	\$388M	\$164M	(\$84M)	\$8,818M

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Communication Services



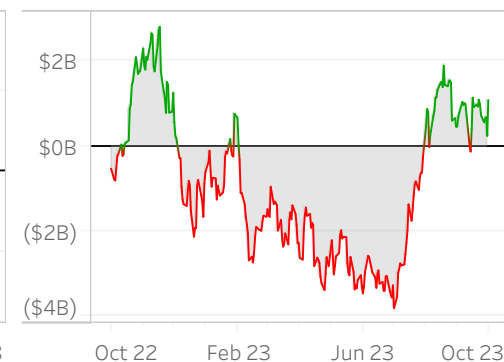
Consumer Discretionary



Consumer Staples



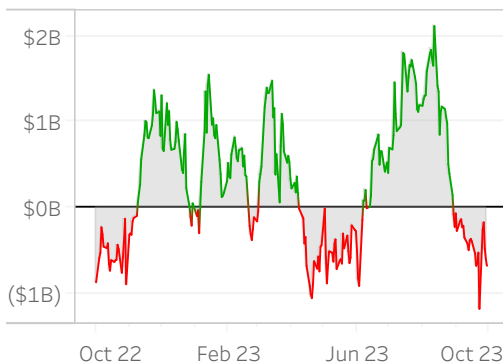
Energy



Financials



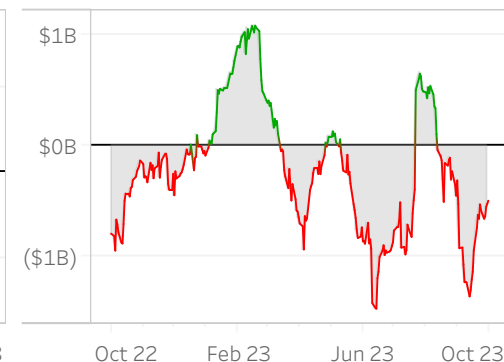
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

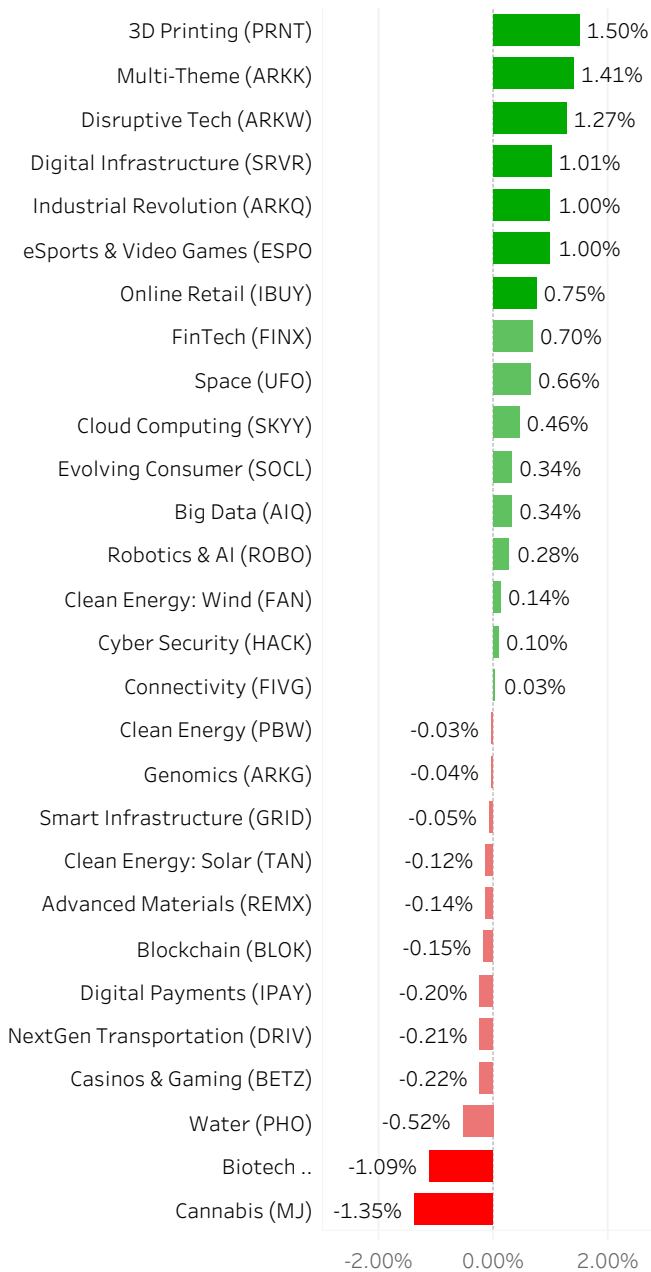


Multi-Sector

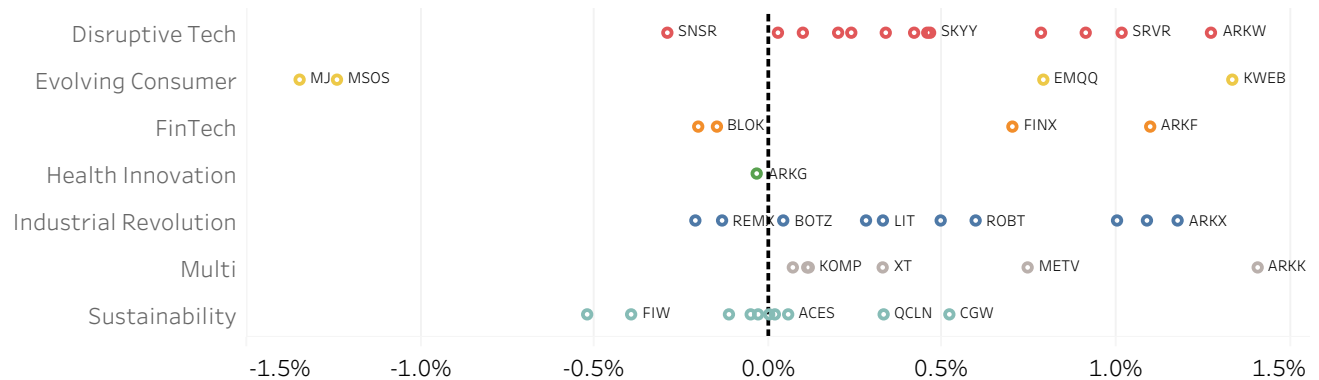


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PRNT	3D Printing ETF	1.50%
ARKK	ARK Innovation ETF	1.41%
HERO	Global X Video Games & Esports ETF	1.36%
KWEB	KraneShares CSI China Internet ETF	1.33%
ARKW	ARK Next Generation Internet ETF	1.27%
ARKX	ARK Space Exploration & Innovation ETF	1.18%
ONLN	ProShares Online Retail ETF	1.10%
ARKF	ARK Fintech Innovation ETF	1.10%
IDRV	iShares Self-driving EV & Tech ETF	1.09%
SRVR	Pacer Data & Infrastructure Real Estate ETF	1.01%

Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	56.01
MJUS	ETFMG U.S. Alternative Harvest ETF	51.12
HACK	ETFMG Prime Cyber Security ETF	49.16
IHAK	iShares Cybersecurity & Tech ETF	47.51
BUG	Global X Cybersecurity ETF	47.51
MJ	ETFMG Alternative Harvest ETF	47.28
KWEB	KraneShares CSI China Internet ETF	46.14
CIBR	First Trust NASDAQ Cybersecurity ETF	44.91
IZRL	ARK Israel Innovative Technology ETF	44.00
EBIZ	Global X E-Commerce ETF	43.59

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MJ	ETFMG Alternative Harvest ETF	-1.35%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.24%
SBIO	ALPS Medical Breakthroughs ETF	-1.09%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.04%
EVX	VanEck Environmental Services ETF	-0.97%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.78%
MJUS	ETFMG U.S. Alternative Harvest ETF	-0.74%
AGNG	Global X Aging Population ETF	-0.72%
BATT	Amplify Lithium & Battery Technology ETF	-0.63%
BITQ	Bitwise Crypto Industry Innovators ETF	-0.59%

Thematic Most Oversold

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	19.35
PAWZ	ProShares Pet Care ETF	21.80
RNRG	Global X Renewable Energy Producers ETF	23.87
BETZ	Roundhill Sports Betting & iGaming ETF	24.19
IDNA	iShares Genomics Immunology and Healthcare ETF	24.93
ICLN	iShares Global Clean Energy ETF	25.92
HTEC	ROBO Global Healthcare Technology and Innovation ETF	25.99
ACES	ALPS Clean Energy ETF	26.22
CNRG	SPDR S&P Kensho Clean Power ETF	26.26
CGW	Invesco S&P Global Water Index ETF	26.48

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
GNOM	Global X Genomics & Biotechnology ETF	\$50M
ARKG	ARK Genomic Revolution ETF	\$18M
SOCL	Global X Social Media ETF	\$16M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$11M
AIQ	Global X Artificial Intelligence & Technology ETF	\$11M
FIW	First Trust Water ETF	\$8M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$5M
QTUM	Defiance Quantum ETF	\$5M
TAN	Invesco Solar ETF	\$4M

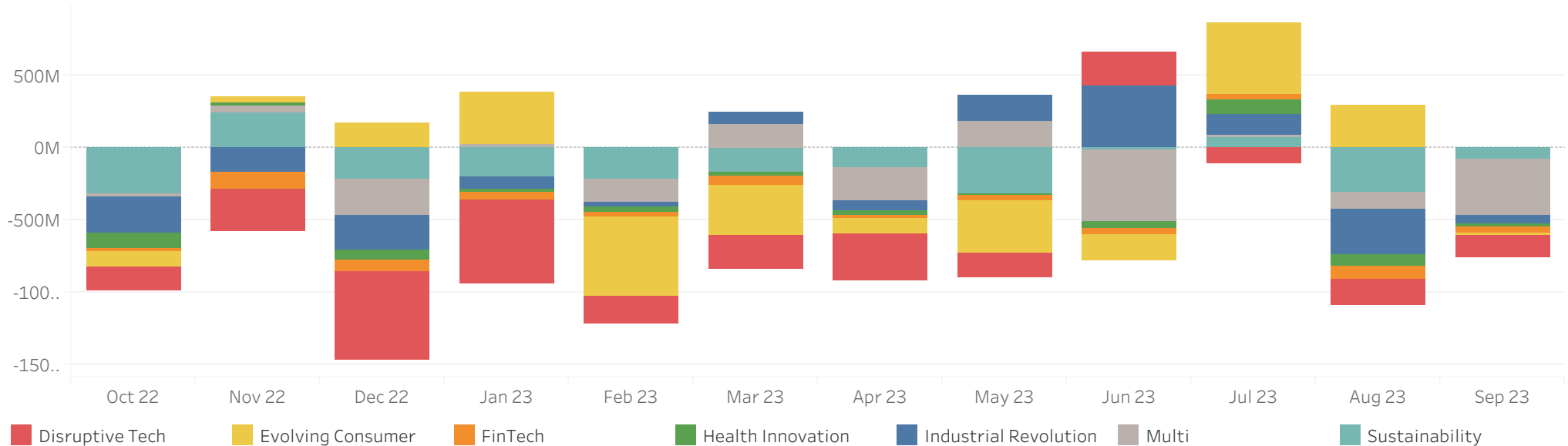
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$38M)
HERO	Global X Video Games & Esports ETF	(\$27M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$20M)
ICLN	iShares Global Clean Energy ETF	(\$12M)
WCLD	WisdomTree Cloud Computing Fund	(\$12M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$11M)
SKYY	First Trust Cloud Computing ETF	(\$11M)
HACK	ETFMG Prime Cyber Security ETF	(\$10M)
LIT	Global X Lithium & Battery Tech ETF	(\$9M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)

Thematic Landscape Assets & Flows

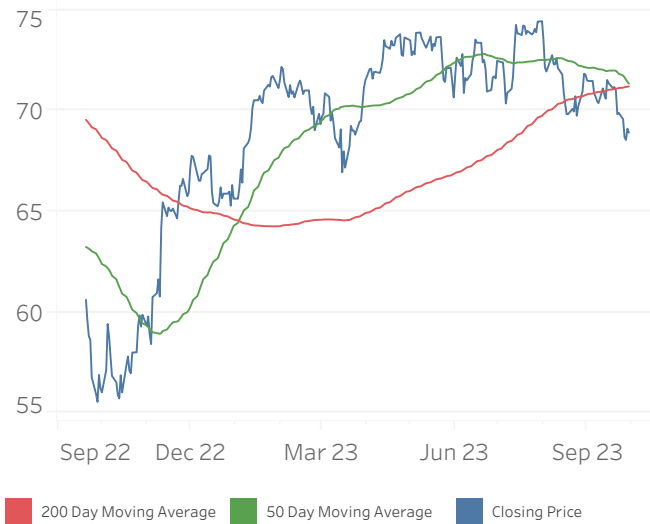
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$32M)	(\$443M)	(\$711M)	(\$2,781M)
Evolving Consumer	40	\$9B	\$2M	\$753M	\$116M	(\$320M)
FinTech	17	\$2B	\$1M	(\$90M)	(\$189M)	(\$544M)
Health Innovation	18	\$3B	\$16M	(\$7M)	(\$117M)	(\$380M)
Industrial Revolution	30	\$10B	(\$19M)	(\$224M)	\$332M	(\$366M)
Multi	38	\$13B	\$20M	(\$494M)	(\$1,042M)	(\$1,244M)
Sustainability	40	\$14B	(\$12M)	(\$318M)	(\$796M)	(\$1,689M)
Grand Total	217	\$67B	(\$26M)	(\$824M)	(\$2,407M)	(\$7,325M)

Thematic Monthly Flows

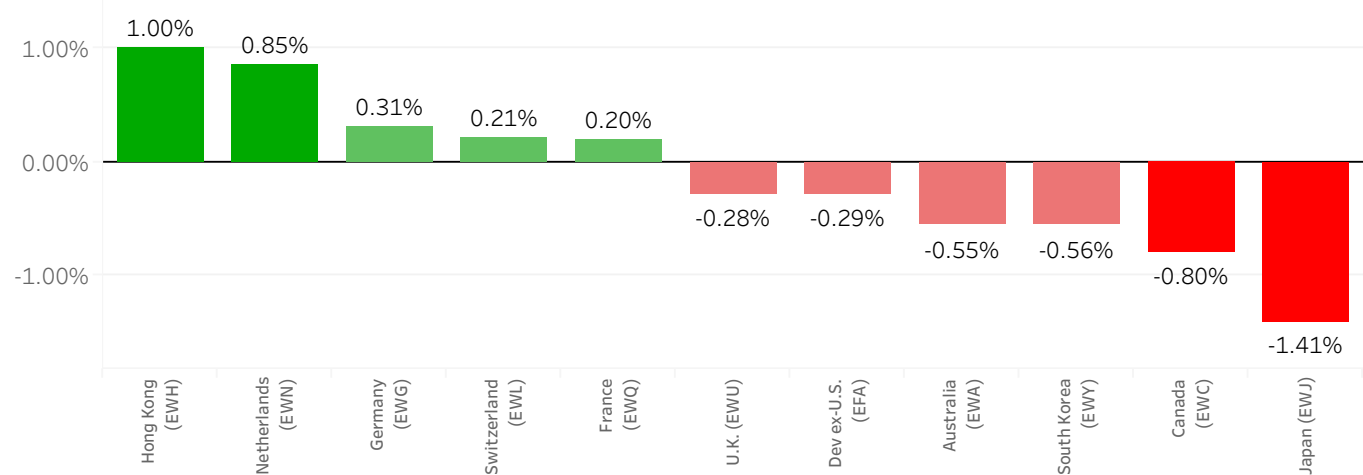


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

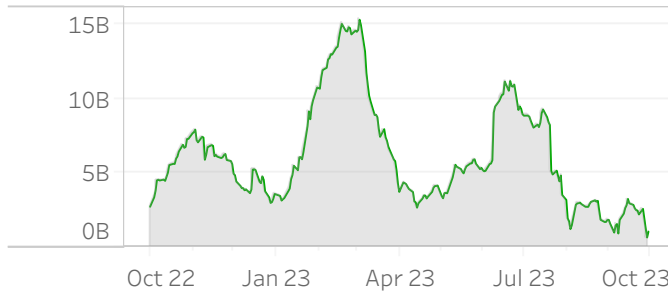
Developed ex-U.S. (EFA)



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



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



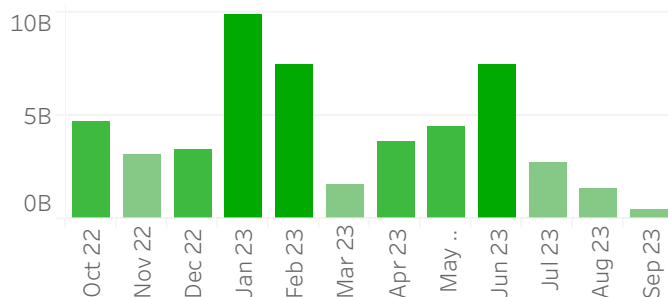
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	1.00%
IEUS	iShares MSCI Europe Small-Cap ETF	0.90%
EWN	iShares MSCI Netherlands ETF	0.85%
DFE	WisdomTree Europe SmallCap Dividend Fund	0.73%
GREK	Global X MSCI Greece ETF	0.67%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.64%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	0.60%
AIA	iShares Asia 50 ETF	0.47%
EWO	iShares MSCI Austria ETF	0.44%
FSZ	First Trust Switzerland AlphaDEX Fund	0.40%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
NORW	Global X MSCI Norway ETF	54.68
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	49.70
EWD	iShares MSCI Sweden ETF	49.63
DXJ	WisdomTree Japan Hedged Equity Fund	49.40
EWS	iShares MSCI Singapore ETF	48.97
FLJH	Franklin FTSE Japan Hedged ETF	46.82
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	46.74
EIS	iShares MSCI Israel ETF	46.46
HEWJ	iShares Currency Hedged MSCI Japan ETF	46.29
HEDJ	WisdomTree Europe Hedged Equity Fund	45.33

Developed ex-U.S. Monthly Flows



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

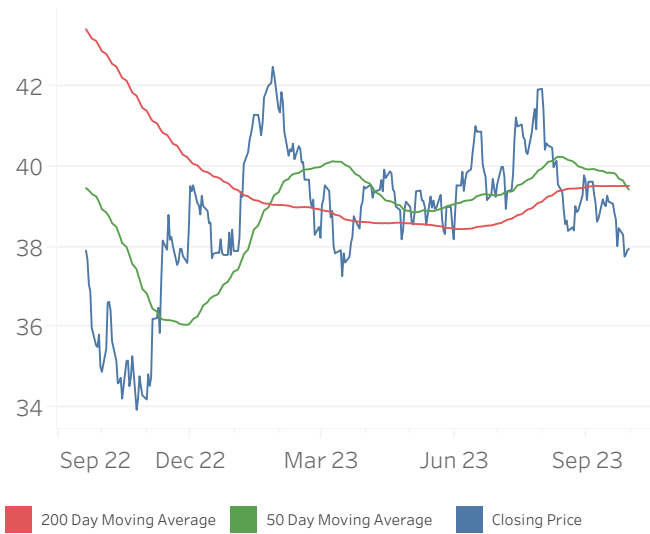
Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-2.79%
EWJV	iShares MSCI Japan Value ETF	-1.96%
DXJ	WisdomTree Japan Hedged Equity Fund	-1.81%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.65%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-1.54%
JPXN	iShares JPX-Nikkei 400 ETF	-1.51%
FLJP	Franklin FTSE Japan ETF	-1.42%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.41%
EWJ	iShares MSCI Japan ETF	-1.41%
IVAL	Alpha Architect International Quantitative Value ETF	-1.39%

Developed ex-U.S. Most Oversold

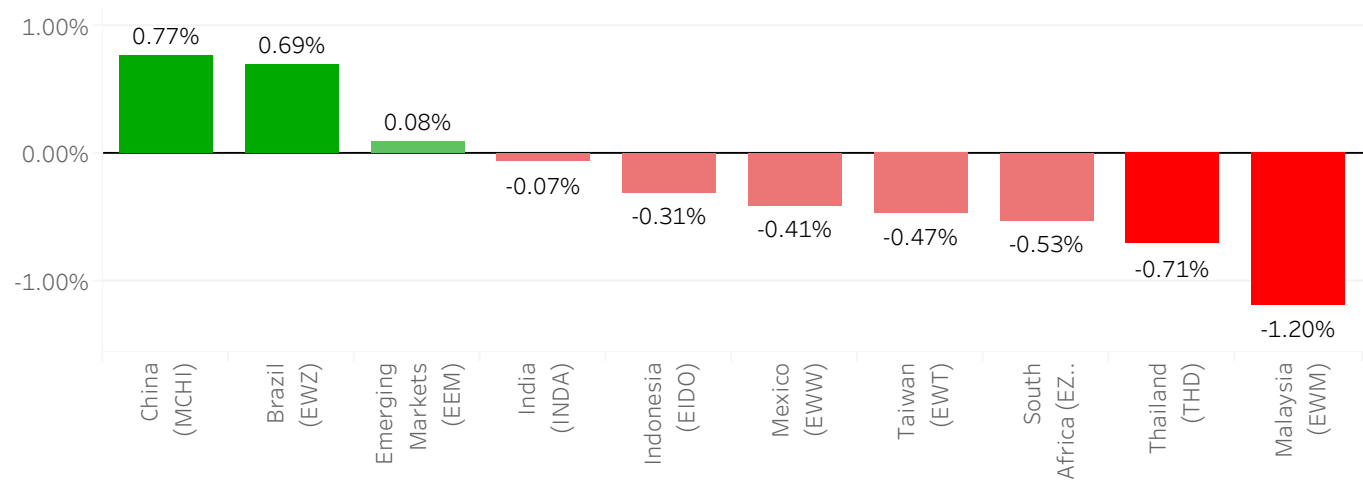
Ticker	Fund	Value
BKCI	BNY Mellon Concentrated International ETF	27.07
EFAD	ProShares MSCI EAFE Dividend Growers ETF	27.55
IDLV	Invesco S&P International Developed Low Volatility ...	29.06
EFG	iShares MSCI EAFE Growth ETF	30.50
FICS	First Trust International Developed Capital Strengt..	30.80
PDN	Invesco FTSE RAFI Developed Markets ex-US Small-...	30.90
DEEF	Xtrackers FTSE Developed ex US Multifactor ETF	31.94
EWN	iShares MSCI Netherlands ETF	31.97
EFV	iShares MSCI EAFE Min Vol Factor ETF	32.29
EWY	iShares MSCI South Korea ETF	32.72

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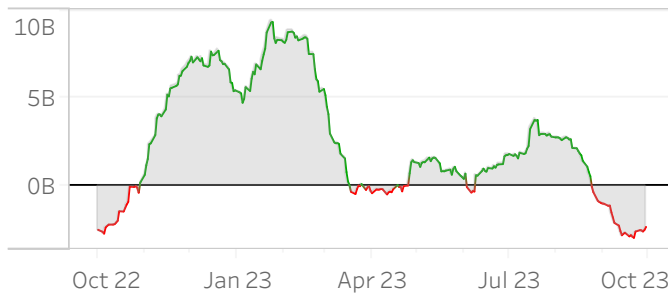
Emerging (EEM)



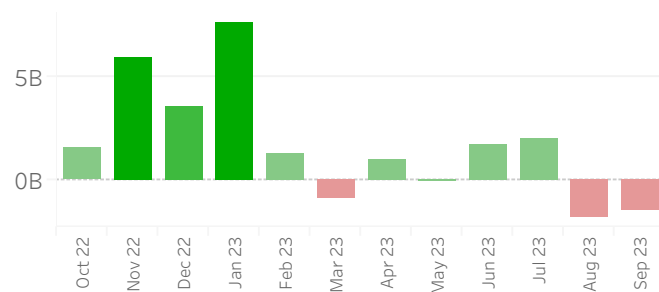
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	1.60%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.52%
PGJ	Invesco Golden Dragon China ETF	1.42%
ECH	iShares MSCI Chile ETF	1.40%
TUR	iShares MSCI Turkey ETF	1.37%
FXI	iShares China Large-Cap ETF	1.03%
FLCH	Franklin FTSE China ETF	0.99%
FLBR	Franklin FTSE Brazil ETF	0.94%
GXC	SPDR S&P China ETF	0.85%
EPU	iShares MSCI Peru and Global Exposure ETF	0.84%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	58.29
EPHE	iShares MSCI Philippines ETF	55.63
GLIN	VanEck India Growth Leaders ETF	52.90
NFTY	First Trust India NIFTY 50 Equal Weight ETF	52.09
SMIN	iShares MSCI India Small Cap ETF	52.05
EPI	WisdomTree India Earnings Fund	49.47
RAYC	Rayliant Quantamental China Equity ETF	47.64
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	47.02
EYLD	Cambria Emerging Shareholder Yield ETF	46.74
CNYA	iShares MSCI China A ETF	46.68

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWM	iShares MSCI Malaysia ETF	-1.20%
EPHE	iShares MSCI Philippines ETF	-1.11%
QAT	iShares MSCI Qatar ETF	-0.80%
THD	iShares MSCI Thailand ETF	-0.71%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-0.64%
EZA	iShares MSCI South Africa ETF	-0.53%
FLTW	Franklin FTSE Taiwan ETF	-0.50%
EWT	iShares MSCI Taiwan ETF	-0.47%
SMIN	iShares MSCI India Small Cap ETF	-0.46%
KSA	iShares MSCI Saudi Arabia ETF	-0.44%

Emerging Most Oversold

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	25.68
ARGT	Global X MSCI Argentina ETF	28.71
FRDM	Freedom 100 Emerging Markets ETF	30.08
KWT	iShares MSCI Kuwait ETF	30.51
EELV	Invesco S&P Emerging Markets Low Volatility ETF	30.73
EPOL	iShares MSCI Poland ETF	32.62
FM	iShares Frontier and Select EM ETF	32.92
KSA	iShares MSCI Saudi Arabia ETF	33.08
VNM	VanEck Vietnam ETF	33.67
EWM	iShares MSCI Malaysia ETF	34.73

* 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	-0.10%	-2.49%	-1.03%
SHY	1-3 Year Treasury Bonds	0.01%	0.02%	1.62%
IEF	7-10 Year Treasury Bonds	0.02%	-2.95%	-2.59%
TLT	20+ Year Treasury Bonds	0.01%	-7.63%	-9.00%
TIP	TIPS Bonds	-0.20%	-1.86%	-0.68%
FLOT	Floating Rate Bonds	0.02%	0.58%	4.90%
LQD	Investment Grade Corporate	-0.22%	-3.53%	-0.62%
HYG	High Yield Corporate	-0.15%	-1.72%	4.14%
BKLN	Senior Loan	0.19%	0.47%	9.10%
PFF	Preferred & Income Securities	0.00%	-0.63%	3.13%
MUB	Municipal Bonds	-0.04%	-2.46%	-1.10%
MBB	MBS	-0.27%	-2.99%	-2.11%
EMB	Dollar Denominated EM Bonds	-0.11%	-3.68%	0.79%
LEMB	Local Currency EM Bond	0.46%	-4.47%	0.35%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.35%	-0.71%	-4.66%
DBE	Energy	-1.31%	4.70%	3.26%
USO	WTI Crude Oil	-0.87%	10.28%	15.33%
BNO	Brent Crude Oil	-0.93%	10.36%	13.40%
UNG	Natural Gas	-0.15%	-0.44%	-51.56%
UGA	Gasoline	-2.88%	-3.57%	12.89%
DBP	Precious Metals	-1.21%	-5.89%	-1.18%
GLD	Gold	-1.03%	-4.68%	1.07%
SLV	Silver	-1.93%	-10.44%	-7.63%
PPLT	abrdn Physical Platin..	-0.17%	-7.48%	-15.77%
PALL	abrdn Physical Palla..	-1.96%	0.07%	-30.30%
DBB	Base Metals	1.32%	4.41%	-1.49%
CPER	Copper	0.49%	-2.66%	-0.30%
DBA	Agriculture	-1.79%	-1.79%	6.25%
CORN	Corn	-2.09%	-1.26%	-18.23%
SOYB	Soybeans	-1.67%	-6.46%	-5.02%
WEAT	Wheat	-4.13%	-6.86%	-30.20%
CANE	Sugar	-1.35%	4.82%	55.09%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.07%	3.23%	6.90%
UDN	Short Dollar	0.14%	-2.29%	-0.70%
FXE	Euro	0.09%	-2.73%	-0.16%
FXB	British Pound Sterling	0.04%	-3.27%	3.09%
FXF	Swiss Franc	-0.01%	-4.10%	0.71%
FXJ	Japanese Yen	-0.10%	-2.42%	-12.53%
FXC	Canadian Dollar	-0.66%	0.15%	1.33%
FXA	Australian Dollar	0.09%	-0.76%	-4.83%

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