

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

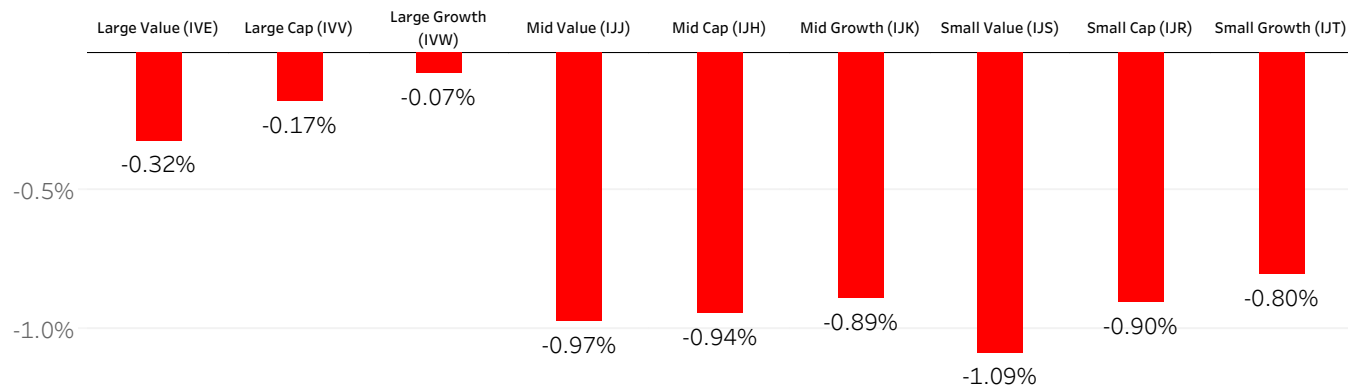


Small Cap Blend (S&P 600) IJR



■ 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
SPMO	Invesco S&P 500 Momentum ETF	0.69%
QQH	HCM Defender 100 Index ETF	0.50%
IPO	Renaissance IPO ETF	0.43%
MGK	Vanguard Mega Cap Growth ETF	0.41%
SCHG	Schwab U.S. Large-Cap Growth ETF	0.40%
WINN	Harbor Long-Term Growers ETF	0.40%
IWY	iShares Russell Top 200 Growth ETF	0.38%
TMFC	Motley Fool 100 Index ETF	0.38%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	0.37%
VUG	Vanguard Growth ETF	0.32%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	59.61
SPMO	Invesco S&P 500 Momentum ETF	42.51
PTNQ	Pacer Trendpilot 100 ETF	41.26
IPO	Renaissance IPO ETF	41.04
IWY	iShares Russell Top 200 Growth ETF	40.98
MGK	Vanguard Mega Cap Growth ETF	40.67
SCHG	Schwab U.S. Large-Cap Growth ETF	40.52
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	40.42
WINN	Harbor Long-Term Growers ETF	40.38
TMFC	Motley Fool 100 Index ETF	40.16

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-1.49%
SPVU	Invesco S&P 500 Enhanced Value ETF	-1.33%
XMLV	Invesco S&P MidCap Low Volatility ETF	-1.24%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-1.23%
IWC	iShares Micro-Cap ETF	-1.23%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-1.21%
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	-1.20%
RWK	Invesco S&P MidCap 400 Revenue ETF	-1.20%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.19%
SPDV	AAM S&P 500 High Dividend Value ETF	-1.19%

Size & Style Most Oversold

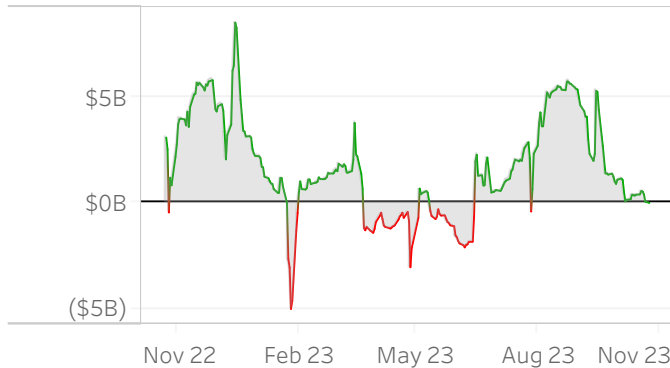
Ticker	Fund	Value
IWC	iShares Micro-Cap ETF	26.91
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	27.77
RPV	Invesco S&P 500 Pure Value ETF	28.64
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	28.78
AIVL	WisdomTree U.S. AI Enhanced Value Fund	29.04
CZA	Invesco Zacks Mid-Cap ETF	29.06
NULV	Nuveen ESG Large-Cap Value ETF	29.14
ISCG	iShares Morningstar Small-Cap Growth ETF	29.21
SDY	SPDR S&P Dividend ETF	29.37
QQQJ	Invesco NASDAQ Next Gen 100 ETF	29.45

*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	\$1,402B	\$1.49B	\$21.72B	\$73.40B	\$71.84B
Large Cap, Beta, Beta: Growth	10	\$273B	\$0.24B	\$6.65B	\$8.06B	\$17.19B
Large Cap, Beta, Beta: Value	11	\$210B	\$0.06B	\$1.11B	(\$2.48B)	(\$6.10B)
Mid Cap, Beta, Beta	10	\$181B	(\$0.40B)	\$4.56B	\$5.50B	\$10.82B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.06B)	(\$0.27B)	\$0.55B	\$0.23B
Mid Cap, Beta, Beta: Value	6	\$35B	(\$0.10B)	(\$0.67B)	(\$1.73B)	(\$2.04B)
Small Cap, Beta, Beta	11	\$182B	(\$1.22B)	\$1.23B	\$6.19B	\$8.74B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.05B	\$0.00B	\$0.27B	\$0.72B
Small Cap, Beta, Beta: Value	7	\$44B	(\$0.04B)	(\$0.82B)	(\$1.29B)	(\$0.70B)

U.S. Size & Style Flow Leaders

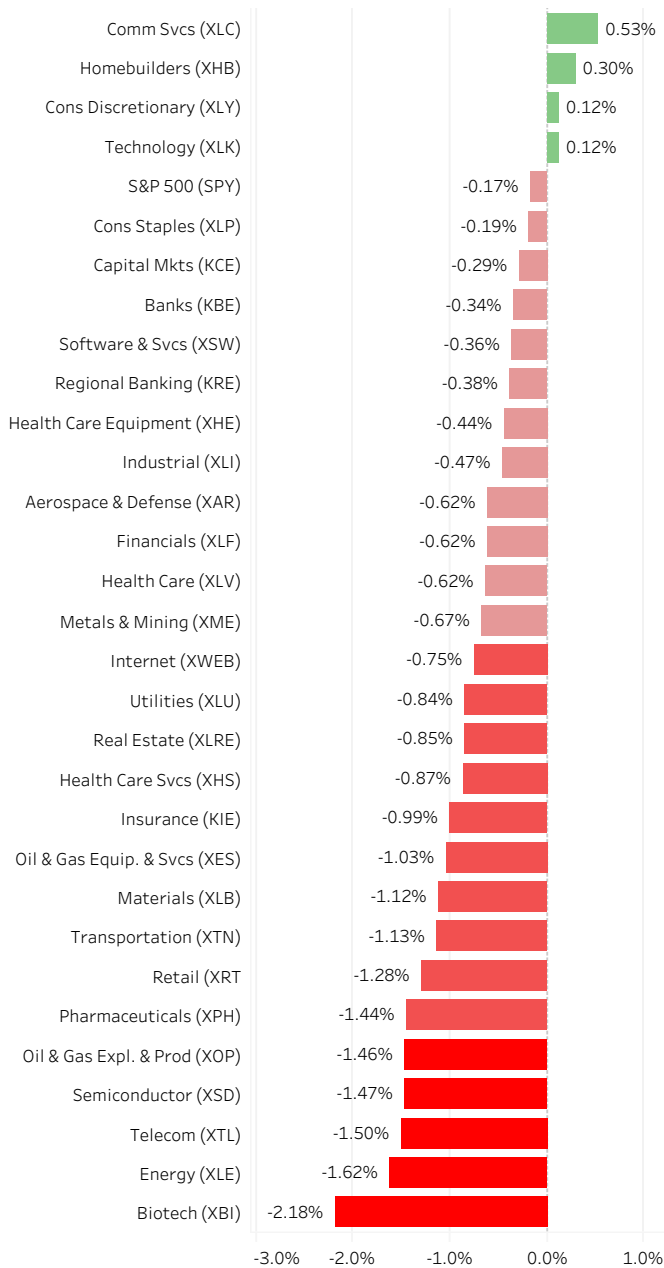
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$2.42B	\$17.27B	\$27.99B	\$24.43B	\$342.50B
OEF	iShares S&P 100 ETF	\$1.95B	\$2.36B	\$2.32B	\$1.67B	\$10.31B
SPY	SPDR S&P 500 ETF Trust	\$1.21B	(\$8.54B)	\$3.14B	(\$3.47B)	\$390.28B
VTI	Vanguard Total Stock Market ETF	\$0.31B	\$5.65B	\$11.61B	\$19.59B	\$299.79B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.24B	\$1.17B	\$1.29B	\$9.46B	\$30.95B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.22B	\$1.31B	\$2.42B	\$3.93B	\$19.44B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.20B	(\$0.06B)	(\$0.49B)	(\$0.03B)	\$17.58B
XMHQ	Invesco S&P MidCap Quality ETF	\$0.18B	\$0.60B	\$1.03B	\$1.25B	\$1.61B
USMC	Principal U.S. Mega-Cap ETF	\$0.17B	\$0.21B	\$0.22B	\$0.37B	\$1.62B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.16B	\$2.05B	\$3.82B	\$5.40B	\$6.03B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$3.89B)	(\$1.91B)	\$7.08B	\$3.60B	\$195.22B
IWM	iShares Russell 2000 ETF	(\$1.39B)	(\$1.07B)	\$0.40B	(\$2.01B)	\$46.88B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$1.15B)	(\$1.12B)	(\$2.00B)	(\$2.74B)	\$26.58B
VXF	Vanguard Extended Market ETF	(\$0.90B)	\$0.06B	\$0.64B	\$1.21B	\$14.29B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.59B)	\$3.31B	\$3.86B	\$6.99B	\$67.08B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.47B)	(\$1.57B)	(\$0.61B)	(\$1.52B)	\$27.21B
VOO	Vanguard S&P 500 ETF	(\$0.46B)	\$9.01B	\$24.90B	\$32.61B	\$320.22B
DFAC	Dimensional U.S. Core Equity 2 ETF	(\$0.15B)	\$0.91B	\$2.01B	\$4.55B	\$20.60B
IWB	iShares Russell 1000 ETF	(\$0.14B)	(\$0.62B)	(\$0.52B)	(\$1.32B)	\$28.71B
SDY	SPDR S&P Dividend ETF	(\$0.14B)	(\$0.84B)	(\$1.45B)	(\$1.33B)	\$19.18B

* 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	-2.82%	46.26%	0.25%	8.41%	49.40
XLE	Energy Select Sector SPDR Fund	-5.61%	15.94%	-0.88%	4.47%	47.17
SPY	SPDR S&P 500 ETF Trust	-8.15%	12.38%	-3.84%	-0.73%	34.47
XLK	Technology Select Sector SPDR Fund	-8.95%	35.69%	-2.70%	3.78%	40.37
XLV	Health Care Select Sector SPDR Fund	-9.16%	2.51%	-3.19%	-3.16%	35.65
XLI	Industrial Select Sector SPDR Fund	-11.30%	3.33%	-5.56%	-4.41%	33.35
XLB	Materials Select Sector SPDR Fund	-13.14%	0.00%	-6.80%	-7.64%	30.50
XLP	Consumer Staples Select Sector SPDR Fund	-13.37%	1.39%	-4.52%	-8.33%	37.75
XLF	Financial Select Sector SPDR Fund	-13.51%	3.29%	-5.27%	-5.34%	31.10
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.18%	20.28%	-7.53%	-3.06%	31.49
XLU	Utilities Select Sector SPDR Fund	-20.82%	2.40%	-6.34%	-12.33%	36.67
XLRE	Real Estate Select Sector SPDR Fund	-22.38%	0.00%	-8.05%	-12.47%	30.90

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	0.72%
PKB	Invesco Building & Construction ETF	0.64%
XLC	Communication Services Select Sector SPDR Fund	0.53%
PNQI	Invesco NASDAQ Internet ETF	0.50%
XNTK	SPDR NYSE Technology ETF	0.50%
PEJ	Invesco Leisure and Entertainment ETF	0.42%
IGM	iShares Expanded Tech Sector ETF	0.39%
IETC	iShares U.S. Tech Independence Focused ETF	0.34%
VOX	Vanguard Communication Services ETF	0.34%
FCOM	Fidelity MSCI Communication Services Index ETF	0.30%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
AMLP	Alerian MLP ETF	56.16
MLPA	Global X MLP ETF	55.04
FCG	First Trust Natural Gas ETF	52.75
PXE	Invesco Energy Exploration & Production ETF	52.58
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	52.39
FXN	First Trust Energy AlphaDEX Fund	51.37
RSPG	Invesco S&P 500 Equal Weight Energy ETF	51.10
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	51.05
MLPX	Global X MLP & Energy Infrastructure ETF	50.38
FTXN	First Trust Nasdaq Oil & Gas ETF	49.79

Sector & Industry 1 Day Performance Laggards

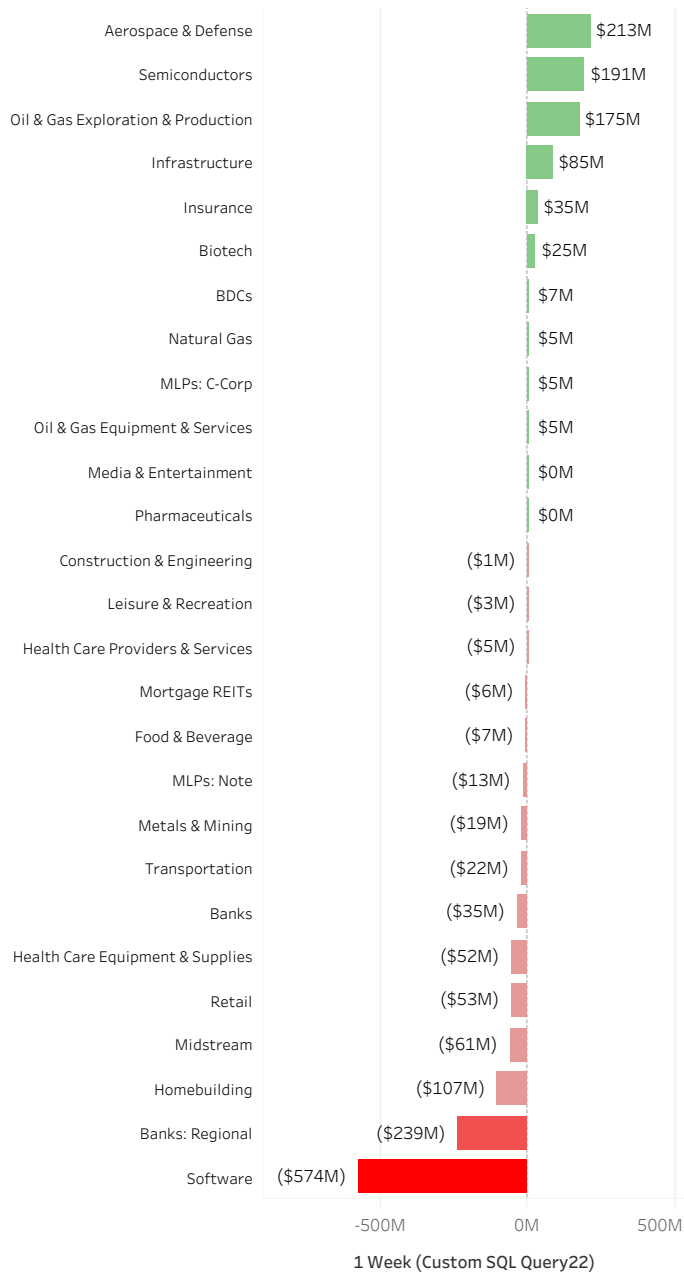
Ticker	Fund	1 Day Performance
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-2.78%
XBI	SPDR S&P BIOTECH ETF	-2.18%
FXZ	First Trust Materials AlphaDEX Fund	-1.95%
RSPM	Invesco S&P 500 Equal Weight Materials ETF	-1.83%
XLE	Energy Select Sector SPDR Fund	-1.62%
VDE	Vanguard Energy ETF	-1.61%
IYE	iShares U.S. Energy ETF	-1.61%
FENY	Fidelity MSCI Energy Index ETF	-1.57%
FTXN	First Trust Nasdaq Oil & Gas ETF	-1.55%
PYZ	Invesco Dorsey Wright Basic Materials Momentum ETF	-1.53%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	19.71
KBWD	Invesco KBW High Dividend Yield Financial ETF	23.84
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	24.03
FBT	First Trust NYSE Arca Biotechnology Index Fund	24.62
XBI	SPDR S&P BIOTECH ETF	25.09
INDS	Pacer Industrial Real Estate ETF	25.72
REM	iShares Mortgage Real Estate ETF	27.39
PSCT	Invesco S&P SmallCap Information Technology ETF	27.53
IBB	iShares Biotechnology ETF	27.56
MORT	VanEck Mortgage REIT Income ETF	27.67

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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	\$159M	\$91M	\$1,726M	\$2,988M
Consumer Discretionary	12	\$24B	\$138M	\$626M	\$1,585M	\$1,925M
Consumer Staples	10	\$26B	(\$257M)	(\$1,832M)	(\$2,239M)	\$544M
Energy	31	\$77B	\$955M	\$3,529M	(\$968M)	(\$7,032M)
Financials	26	\$50B	(\$949M)	(\$5,674M)	(\$4,245M)	(\$2,101M)
Health Care	23	\$81B	(\$706M)	(\$3,427M)	(\$3,946M)	(\$5,165M)
Industrial	13	\$32B	\$176M	(\$401M)	\$1,015M	\$3,115M
Materials	9	\$11B	(\$83M)	(\$1,154M)	(\$2,057M)	(\$1,565M)
Multi-Sector	18	\$17B	(\$114M)	(\$459M)	\$2,206M	\$2,085M
Real Estate	25	\$49B	\$165M	(\$114M)	\$62M	(\$2,541M)
Technology	23	\$144B	\$50M	\$2,152M	\$1,348M	\$977M
Utilities	9	\$20B	(\$274M)	(\$1,235M)	(\$1,081M)	(\$1,534M)

U.S. Sector & Industry Flow Leaders

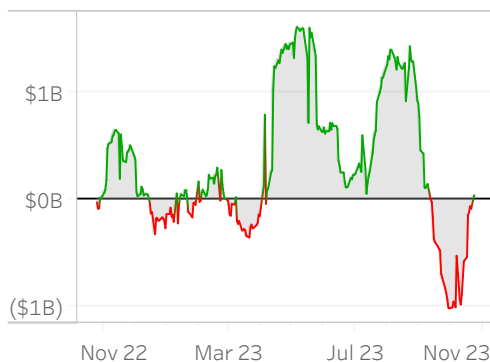
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$727M	\$2,820M	(\$580M)	(\$2,270M)	\$40,174M
IYW	iShares U.S. Technology ETF	\$693M	\$617M	(\$488M)	\$397M	\$11,510M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$236M	\$680M	\$994M	\$750M	\$15,800M
SOXX	iShares Semiconductor ETF	\$187M	\$725M	\$217M	\$486M	\$8,387M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$183M	(\$275M)	(\$168M)	(\$1,171M)	\$3,775M
IYR	iShares U.S. Real Estate ETF	\$157M	(\$108M)	\$75M	(\$424M)	\$2,519M
XLC	Communication Services Select Sector SPDR Fu..	\$111M	(\$20M)	\$1,309M	\$2,516M	\$13,913M
ITA	iShares U.S. Aerospace & Defense ETF	\$99M	(\$194M)	(\$524M)	\$1,070M	\$5,002M
VDE	Vanguard Energy ETF	\$90M	\$199M	\$215M	(\$87M)	\$8,704M
XLI	Industrial Select Sector SPDR Fund	\$87M	(\$182M)	\$848M	\$1,021M	\$14,081M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$574M)	(\$816M)	(\$516M)	(\$719M)	\$5,538M
XLV	Health Care Select Sector SPDR Fund	(\$502M)	(\$1,597M)	(\$1,081M)	(\$1,003M)	\$37,224M
XLF	Financial Select Sector SPDR Fund	(\$416M)	(\$3,623M)	(\$2,432M)	\$102M	\$28,996M
XLK	Technology Select Sector SPDR Fund	(\$297M)	(\$8M)	\$285M	(\$1,786M)	\$47,364M
VFH	Vanguard Financials ETF	(\$277M)	(\$438M)	(\$118M)	(\$710M)	\$7,501M
FUTY	Fidelity MSCI Utilities Index ETF	(\$240M)	(\$359M)	(\$484M)	(\$456M)	\$1,301M
KRE	SPDR S&P Regional Banking ETF	(\$234M)	(\$865M)	(\$560M)	(\$130M)	\$2,112M
XLP	Consumer Staples Select Sector SPDR Fund	(\$223M)	(\$158M)	(\$605M)	\$1,408M	\$15,640M
IYH	iShares U.S. Healthcare ETF	(\$121M)	(\$92M)	(\$161M)	(\$147M)	\$2,947M
VIS	Vanguard Industrials ETF	(\$87M)	(\$122M)	\$218M	\$344M	\$3,966M

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Communication Services



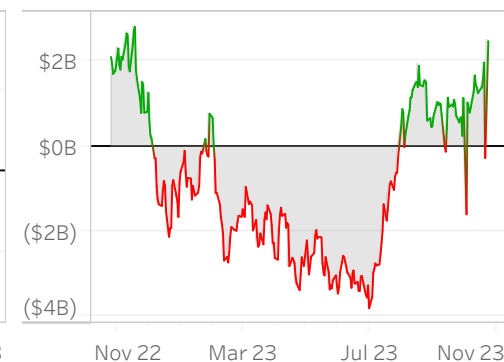
Consumer Discretionary



Consumer Staples



Energy



Financials



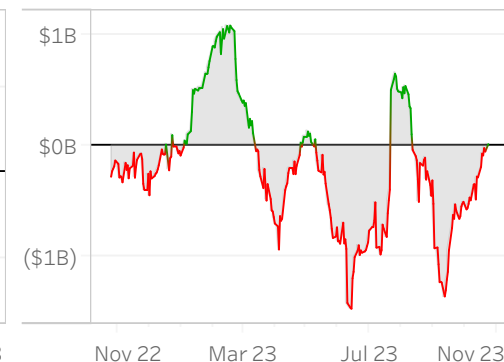
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

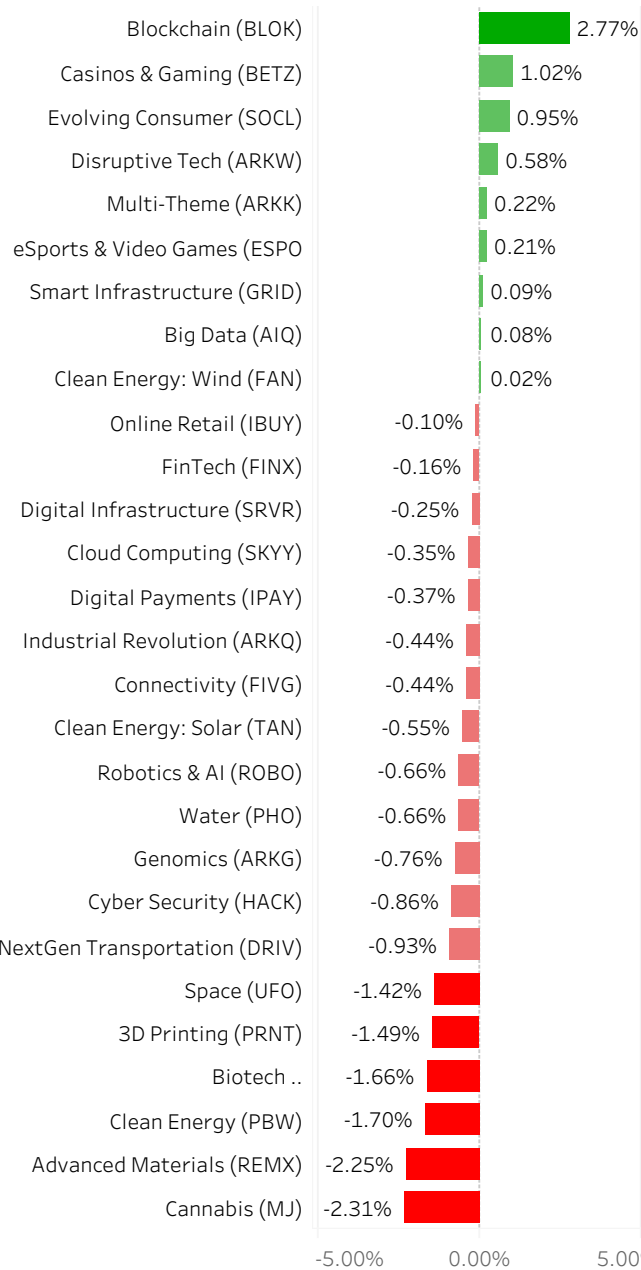


Multi-Sector

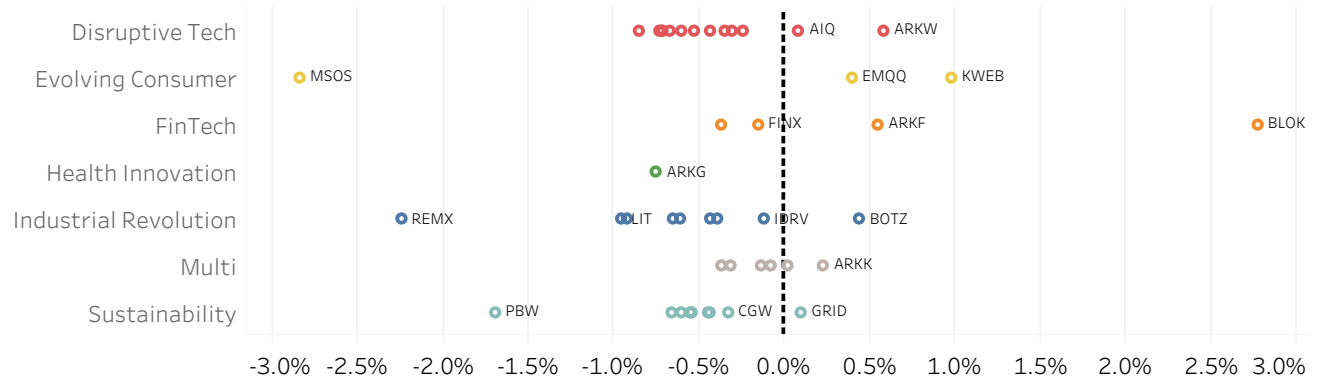


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	6.46%
BITQ	Bitwise Crypto Industry Innovators ETF	4.88%
BLOK	Amplify Transformational Data Sharing ETF	2.77%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	2.14%
BETZ	Roundhill Sports Betting & iGaming ETF	1.02%
KWEB	KraneShares CSI China Internet ETF	0.98%
SOCL	Global X Social Media ETF	0.95%
ARKW	ARK Next Generation Internet ETF	0.58%
ARKF	ARK Fintech Innovation ETF	0.54%
GBUY	Goldman Sachs Future Consumer Equity ETF	0.44%

Thematic Most Overbought

Ticker	Fund	Value
BKCH	Global X Blockchain ETF	49.69
BITQ	Bitwise Crypto Industry Innovators ETF	49.51
BLOK	Amplify Transformational Data Sharing ETF	48.81
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	41.41
ARKW	ARK Next Generation Internet ETF	40.93
METV	Roundhill Ball Metaverse ETF	40.68
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security ..	40.66
ARKF	ARK Fintech Innovation ETF	39.79
SAMT	Stratigas Macro Thematic Opportunities ETF	39.63
KWEB	KraneShares CSI China Internet ETF	37.80

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-2.84%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-2.31%
REMX	VanEck Rare Earth/Strategic Metals ETF	-2.25%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.89%
PBW	Invesco WilderHill Clean Energy ETF	-1.70%
SBIO	ALPS Medical Breakthroughs ETF	-1.66%
PRNT	3D Printing ETF	-1.49%
EVX	VanEck Environmental Services ETF	-1.44%
IDNA	iShares Genomics Immunology and Healthcare ETF	-1.22%
LIT	Global X Lithium & Battery Tech ETF	-0.96%

Thematic Most Oversold

Ticker	Fund	Value
IDNA	iShares Genomics Immunology and Healthcare ETF	18.38
IZRL	ARK Israel Innovative Technology ETF	21.44
ARKG	ARK Genomic Revolution ETF	22.47
REMX	VanEck Rare Earth/Strategic Metals ETF	22.91
BATT	Amplify Lithium & Battery Technology ETF	22.99
SBIO	ALPS Medical Breakthroughs ETF	23.40
HTEC	ROBO Global Healthcare Technology and Innovation ETF	23.46
EDOC	Global X Telemedicine & Digital Health ETF Registered	23.52
GNOM	Global X Genomics & Biotechnology ETF	24.75
KLDW	Knowledge Leaders Developed World ETF	25.35

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Thematic 1 Week Flow Leaders

Ticker	Fund	
MSOS	AdvisorShares Pure US Cannabis ETF	\$27M
AIQ	Global X Artificial Intelligence & Technology ETF	\$18M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$15M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$12M
PBW	Invesco WilderHill Clean Energy ETF	\$7M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$7M
CNCR	Range Cancer Therapeutics ETF	\$4M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$2M
FMIL	Fidelity New Millennium ETF	\$2M
ONLN	ProShares Online Retail ETF	\$2M

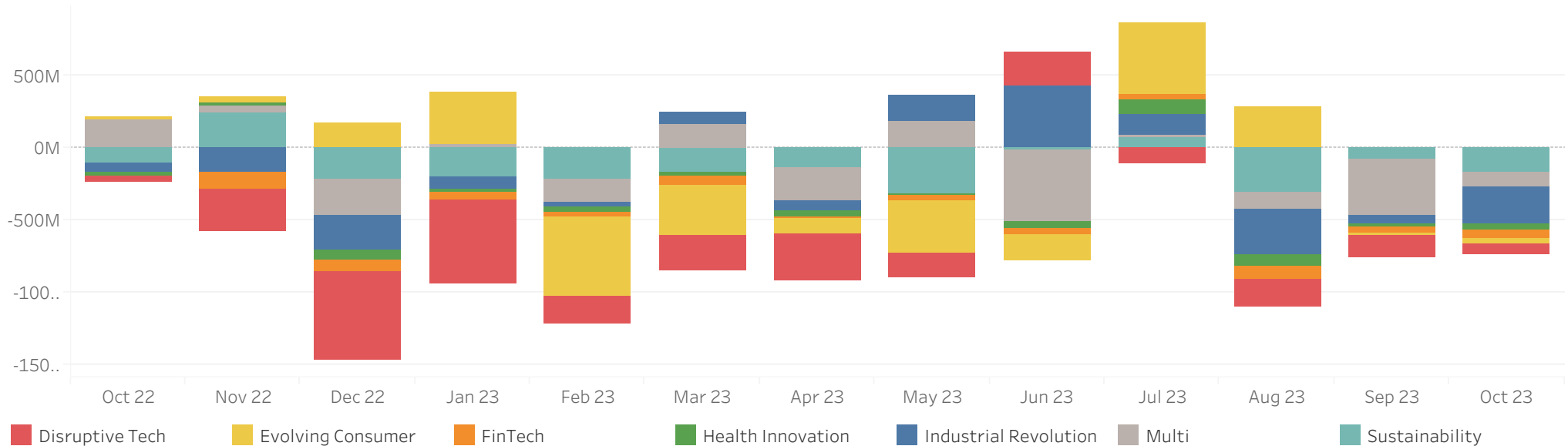
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$101M)
KWEB	KraneShares CSI China Internet ETF	(\$84M)
SKYY	First Trust Cloud Computing ETF	(\$57M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$29M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$26M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$21M)
LIT	Global X Lithium & Battery Tech ETF	(\$19M)
ICLN	iShares Global Clean Energy ETF	(\$18M)
ARKW	ARK Next Generation Internet ETF	(\$16M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$14M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$15B	(\$47M)	(\$427M)	(\$525M)	(\$2,736M)
Evolving Consumer	38	\$8B	(\$51M)	\$347M	\$102M	(\$223M)
FinTech	17	\$2B	(\$8M)	(\$201M)	(\$249M)	(\$594M)
Health Innovation	18	\$2B	\$0M	(\$110M)	(\$129M)	(\$332M)
Industrial Revolution	30	\$9B	(\$50M)	(\$658M)	\$85M	(\$437M)
Multi	37	\$13B	(\$106M)	(\$649M)	(\$973M)	(\$1,137M)
Sustainability	40	\$12B	(\$47M)	(\$611M)	(\$901M)	(\$1,654M)
Grand Total	213	\$62B	(\$309M)	(\$2,309M)	(\$2,590M)	(\$7,113M)

Thematic Monthly Flows

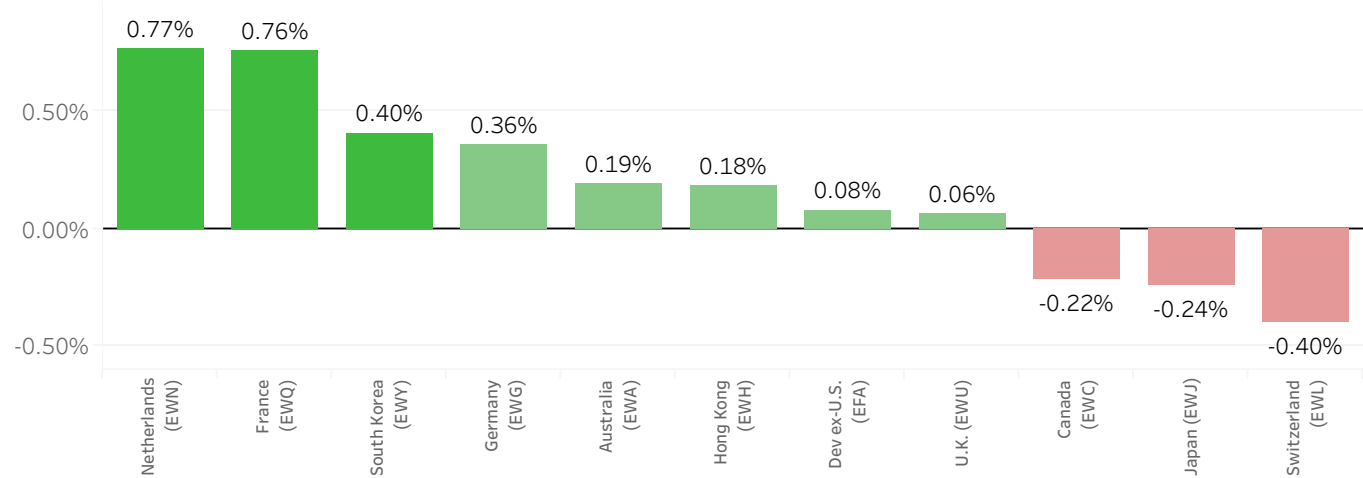


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Developed ex-U.S. (EFA)



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



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



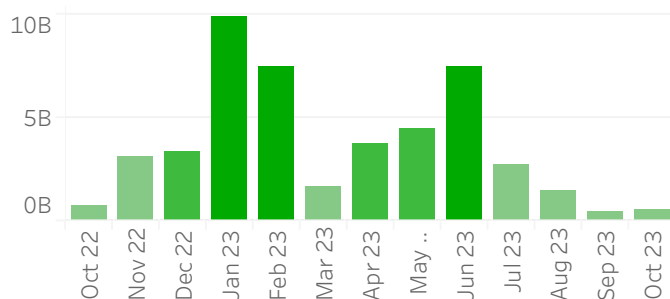
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.71%
EIRL	iShares MSCI Ireland ETF	1.30%
EWN	iShares MSCI Netherlands ETF	0.77%
EWQ	iShares MSCI France ETF	0.76%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.73%
FEZ	SPDR EURO STOXX 50 ETF	0.69%
EZU	iShares MSCI Eurozone ETF	0.63%
EWS	iShares MSCI Singapore ETF	0.52%
EWI	iShares MSCI Italy ETF	0.51%
EWY	iShares MSCI South Korea ETF	0.40%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
GREK	Global X MSCI Greece ETF	53.62
EWI	iShares MSCI Italy ETF	41.29
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	40.46
DXJ	WisdomTree Japan Hedged Equity Fund	39.96
FEZ	SPDR EURO STOXX 50 ETF	39.11
EWO	iShares MSCI Austria ETF	38.98
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	38.85
AIA	iShares Asia 50 ETF	38.73
EWP	iShares MSCI Spain ETF	38.46
HEWJ	iShares Currency Hedged MSCI Japan ETF	38.42

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	-2.13%
NORW	Global X MSCI Norway ETF	-1.59%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.89%
EWD	iShares MSCI Sweden ETF	-0.79%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.57%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.57%
HSCJ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.55%
DDLS	WisdomTree Dynamic Currency Hedged International Sma..	-0.50%
AVDV	Avantis International Small Cap Value ETF	-0.47%
IDOG	ALPS International Sector Dividend Dogs ETF	-0.46%

Developed ex-U.S. Most Oversold

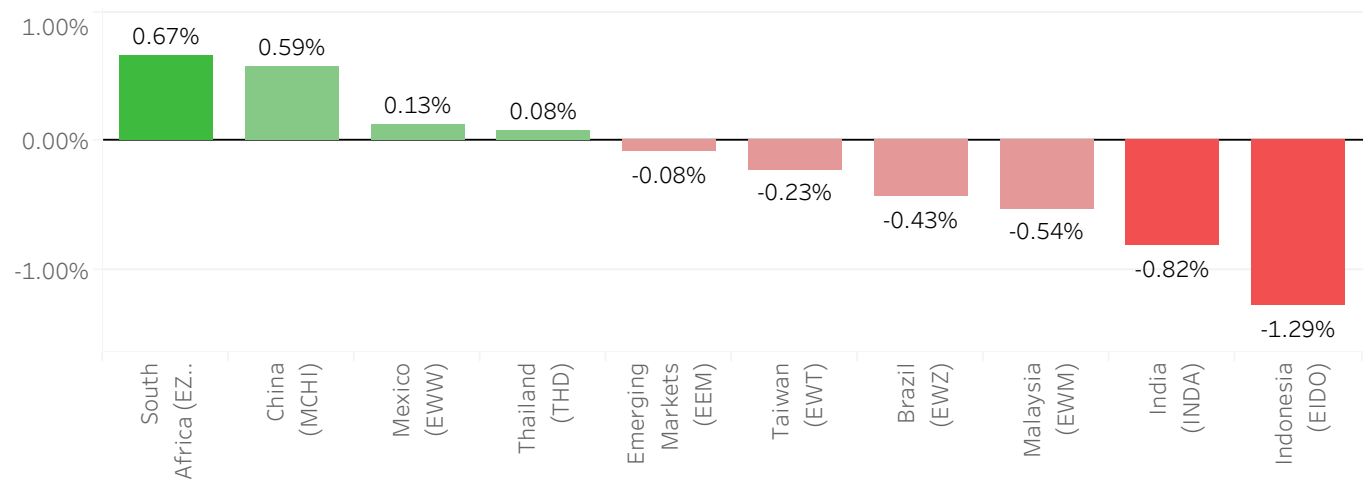
Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	17.55
HSCJ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	26.91
GWX	SPDR S&P International Small Cap ETF	27.06
PDN	Invesco FTSE RAFI Developed Markets ex-US Small-..	27.18
FNDC	Schwab Fundamental International Small Co. Index ..	27.92
SCZ	iShares MSCI EAFE Small-Cap ETF	27.97
IHDG	WisdomTree International Hedged Quality Dividend ..	28.20
ISCF	iShares International SmallCap Equity Factor ETF	28.24
SCHC	Schwab International Small-Cap Equity ETF	28.50
DDLS	WisdomTree Dynamic Currency Hedged Internation..	29.00

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

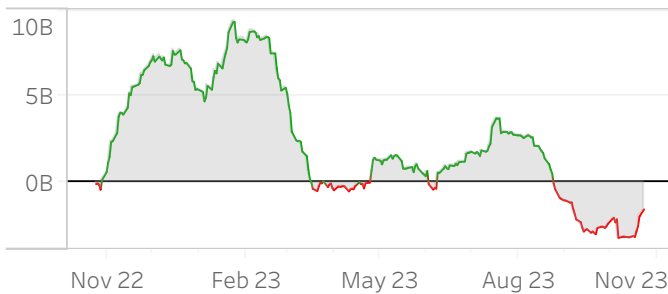
Emerging (EEM)



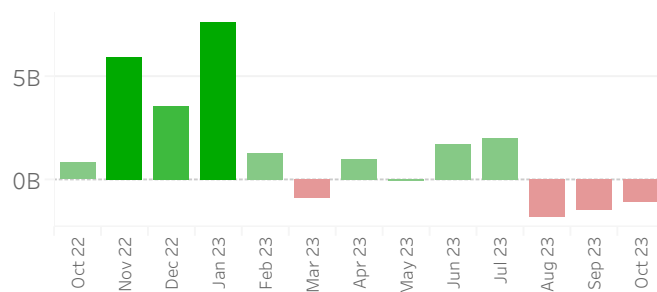
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	2.68%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.38%
PGJ	Invesco Golden Dragon China ETF	0.97%
FXI	iShares China Large-Cap ETF	0.88%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.73%
EZA	iShares MSCI South Africa ETF	0.67%
QAT	iShares MSCI Qatar ETF	0.67%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	0.63%
MCHI	iShares MSCI China ETF	0.59%
ECNS	iShares MSCI China Small-Cap ETF	0.44%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	56.60
NFTY	First Trust India NIFTY 50 Equal Weight ETF	45.14
EZA	iShares MSCI South Africa ETF	44.64
FLBR	Franklin FTSE Brazil ETF	42.94
EWZ	iShares MSCI Brazil ETF	42.82
KWT	iShares MSCI Kuwait ETF	42.43
GLIN	VanEck India Growth Leaders ETF	41.62
FRDM	Freedom 100 Emerging Markets ETF	40.11
EWZS	iShares MSCI Brazil Small-Cap ETF	39.90
EWT	iShares MSCI Taiwan ETF	39.72

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	-2.70%
KSA	iShares MSCI Saudi Arabia ETF	-2.21%
GLIN	VanEck India Growth Leaders ETF	-1.40%
EPI	WisdomTree India Earnings Fund	-1.31%
EIDO	iShares MSCI Indonesia ETF	-1.29%
EPHE	iShares MSCI Philippines ETF	-1.16%
FLIN	Franklin FTSE India ETF	-1.08%
INDY	iShares India 50 ETF	-0.93%
PIN	Invesco India ETF	-0.90%
INDA	iShares MSCI India ETF	-0.82%

Emerging Most Oversold

Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	18.49
RAYC	Rayliant Quantamental China Equity ETF	22.20
CNYA	iShares MSCI China A ETF	23.45
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	24.24
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	24.71
JPEM	JPMorgan Diversified Return Emerging Markets Equ..	27.30
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	27.31
FEM	First Trust Emerging Markets AlphaDEX Fund	27.33
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	27.38
EWX	SPDR S&P Emerging Markets Small Cap ETF	27.86

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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	0.39%	-2.56%	-2.53%
SHY	1-3 Year Treasury Bonds	0.06%	0.37%	1.91%
IEF	7-10 Year Treasury Bonds	0.48%	-2.50%	-4.15%
TLT	20+ Year Treasury Bonds	1.20%	-7.57%	-13.28%
TIP	TIPS Bonds	0.02%	-1.52%	-1.34%
FLOT	Floating Rate Bonds	0.04%	0.43%	5.24%
LQD	Investment Grade Corporate	0.78%	-3.86%	-2.75%
HYG	High Yield Corporate	0.40%	-1.89%	2.56%
BKLN	Senior Loan	0.05%	-0.28%	9.00%
PFF	Preferred & Income Securities	0.18%	-5.29%	-1.78%
MUB	Municipal Bonds	-0.05%	-2.30%	-2.04%
MBB	MBS	0.20%	-3.95%	-4.62%
EMB	Dollar Denominated EM Bonds	0.57%	-3.40%	-1.12%
LEMB	Local Currency EM Bond	0.18%	-3.21%	-1.27%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.92%	-1.19%	-4.18%
DBE	Energy	-1.74%	-2.31%	2.21%
USO	WTI Crude Oil	-2.24%	-2.16%	12.52%
BNO	Brent Crude Oil	-1.96%	-1.59%	11.53%
UNG	Natural Gas	0.44%	1.64%	-51.70%
UGA	Gasoline	-1.77%	-7.69%	9.34%
DBP	Precious Metals	-0.63%	1.44%	4.80%
GLD	Gold	-0.34%	2.44%	7.86%
SLV	Silver	-1.64%	-2.46%	-4.41%
PPLT	abrdn Physical Platin..	0.17%	-3.24%	-16.59%
PALL	abrdn Physical Palla..	2.19%	-9.75%	-37.02%
DBB	Base Metals	-0.11%	-3.49%	-7.56%
CPER	Copper	0.95%	-2.41%	-3.46%
DBA	Agriculture	0.05%	0.32%	8.83%
CORN	Corn	-0.66%	3.14%	-15.89%
SOYB	Soybeans	-0.73%	0.00%	-4.35%
WEAT	Wheat	0.51%	1.72%	-26.07%
CANE	Sugar	2.15%	1.00%	59.60%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.50%	0.54%	6.76%
UDN	Short Dollar	0.68%	0.24%	0.03%
FXE	Euro	0.72%	0.46%	0.90%
FXB	British Pound Sterling	0.68%	0.27%	3.62%
FXF	Swiss Franc	0.08%	1.78%	3.44%
FXJ	Japanese Yen	0.15%	-0.83%	-12.69%
FXC	Canadian Dollar	0.17%	-1.36%	0.54%
FXA	Australian Dollar	0.39%	-1.55%	-6.15%

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

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