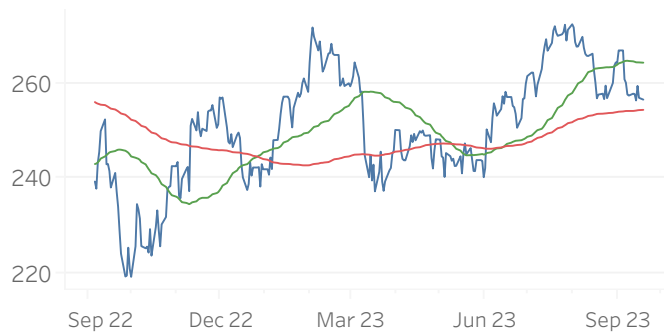


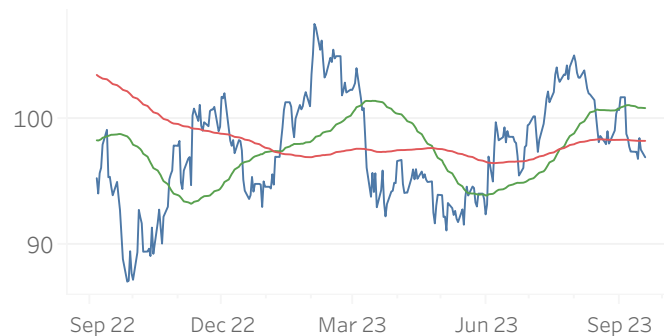
Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

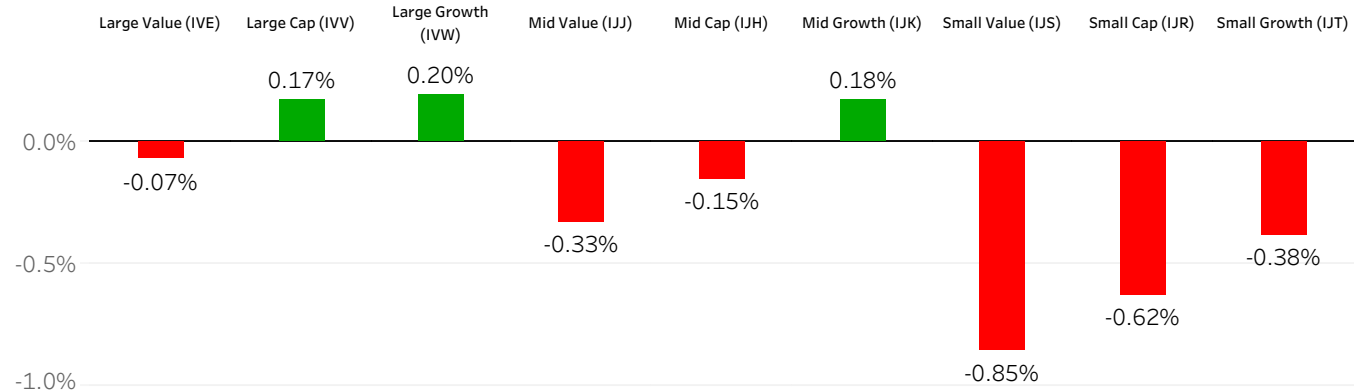


Small Cap Blend (S&P 600) IJR



■ 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
FTCS	First Trust Capital Strength ETF	0.51%
GLRY	Inspire Faithward Mid Cap Momentum ETF	0.49%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	0.42%
SPHQ	Invesco S&P 500 Quality ETF	0.41%
FLQL	Franklin LibertyQ U.S. Equity ETF	0.41%
FDLO	Fidelity Low Volatility Factor ETF	0.36%
VALQ	American Century U.S. Quality Value ETF	0.32%
XMHQ	Invesco S&P MidCap Quality ETF	0.32%
QUAL	iShares MSCI USA Quality Factor ETF	0.28%
ROUS	Hartford Multifactor US Equity ETF	0.27%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	64.80
ABEQ	Absolute Select Value ETF	58.63
QVAL	Alpha Architect US Quantitative Value ETF	57.00
SPMO	Invesco S&P 500 Momentum ETF	55.86
HDV	iShares Core High Dividend ETF	55.46
MGV	Vanguard Mega Cap Value ETF	54.42
FTCS	First Trust Capital Strength ETF	53.50
IWX	iShares Russell Top 200 Value ETF	53.37
PWV	Invesco Large Cap Value ETF	52.55
USMV	iShares MSCI USA Min Vol Factor ETF	52.48

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	-1.20%
IWC	iShares Micro-Cap ETF	-1.19%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	-1.15%
ISMD	Inspire Small/Mid Cap ETF	-0.95%
SQEW	LeaderShares Equity Skew ETF	-0.93%
WBIY	WBI Power Factor High Dividend ETF	-0.91%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.86%
IJS	iShares S&P Small-Cap 600 Value ETF	-0.85%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	-0.83%
LCG	Sterling Capital Focus Equity ETF	-0.81%

Size & Style Most Oversold

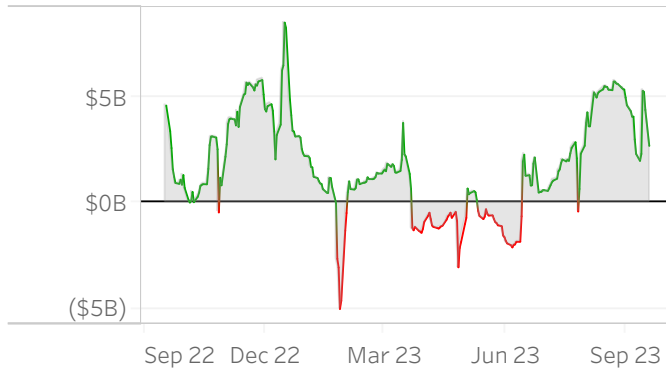
Ticker	Fund	Price
QQQN	VictoryShares Nasdaq Next 50 ETF	32.60
JSML	Janus Henderson Small Cap Growth Alpha ETF	32.85
QQJQ	Invesco NASDAQ Next Gen 100 ETF	34.20
IWC	iShares Micro-Cap ETF	34.62
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	34.96
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	35.04
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	35.74
NUMG	Nuveen ESG Mid-Cap Growth ETF	35.75
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	36.02
ISMD	Inspire Small/Mid Cap ETF	36.47

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

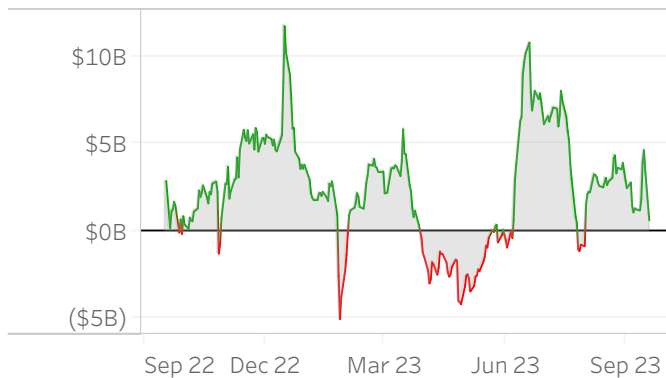
Large-Cap 30-Day Rolling Flows



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	\$1,459B	(\$1.82B)	\$34.38B	\$64.50B	\$76.50B
Large Cap, Beta, Beta: Growth	10	\$283B	\$1.48B	\$2.05B	\$6.70B	\$16.63B
Large Cap, Beta, Beta: Value	11	\$225B	\$0.80B	(\$0.11B)	(\$6.31B)	(\$3.76B)
Mid Cap, Beta, Beta	10	\$196B	\$0.77B	\$6.60B	\$5.89B	\$12.73B
Mid Cap, Beta, Beta: Growth	6	\$35B	\$0.06B	\$0.11B	\$0.71B	\$0.31B
Mid Cap, Beta, Beta: Value	6	\$39B	\$0.21B	(\$0.62B)	(\$2.00B)	(\$1.09B)
Small Cap, Beta, Beta	11	\$197B	(\$0.89B)	(\$2.25B)	\$1.97B	\$9.66B
Small Cap, Beta, Beta: Growth	7	\$33B	(\$0.05B)	\$0.25B	\$0.27B	\$1.04B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.24B	(\$0.33B)	(\$2.01B)	(\$0.44B)

U.S. Size & Style Flow Leaders

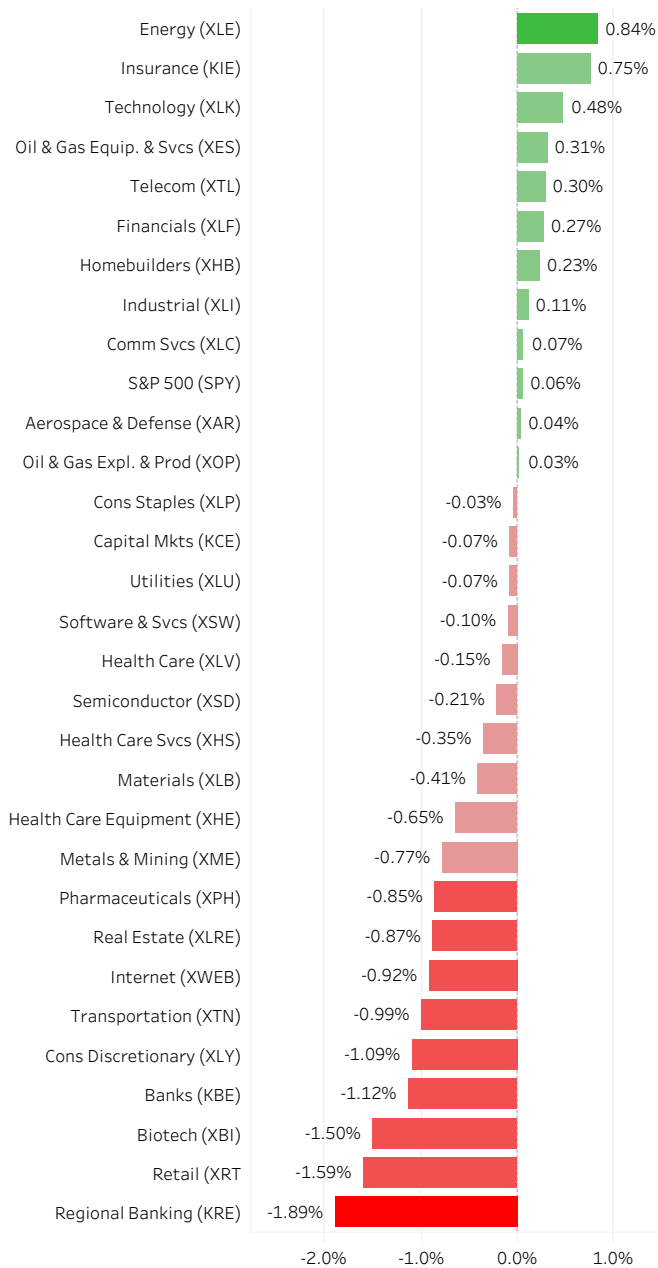
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$2.97B	\$19.36B	\$21.38B	\$20.41B	\$354.10B
VTI	Vanguard Total Stock Market ETF	\$1.07B	\$6.12B	\$9.47B	\$21.25B	\$316.90B
VUG	Vanguard Growth ETF	\$0.76B	(\$0.70B)	\$0.61B	\$4.31B	\$93.66B
VO	Vanguard Mid-Cap ETF	\$0.58B	\$0.48B	\$0.79B	\$2.20B	\$54.97B
IWD	iShares Russell 1000 Value ETF	\$0.36B	(\$0.78B)	(\$2.04B)	(\$3.77B)	\$50.94B
IWF	iShares Russell 1000 Growth ETF	\$0.35B	(\$0.82B)	(\$0.44B)	(\$1.19B)	\$71.08B
VTV	Vanguard Value ETF	\$0.31B	(\$0.35B)	(\$3.62B)	(\$2.72B)	\$102.17B
VB	Vanguard Small-Cap ETF	\$0.30B	\$0.88B	\$0.51B	\$2.02B	\$45.61B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.21B	\$0.13B	\$9.83B	\$9.27B	\$32.11B
VBR	Vanguard Small Cap Value ETF	\$0.19B	\$0.01B	(\$0.45B)	\$0.82B	\$25.13B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$1.34B)	\$15.13B	\$25.07B	\$33.27B	\$334.63B
IWM	iShares Russell 2000 ETF	(\$1.27B)	(\$5.88B)	(\$2.49B)	(\$0.77B)	\$50.63B
QQQ	Invesco QQQ Trust Series I	(\$1.15B)	(\$0.16B)	\$6.32B	\$1.66B	\$202.73B
IWB	iShares Russell 1000 ETF	(\$0.24B)	(\$0.58B)	(\$0.76B)	(\$0.39B)	\$30.32B
IWO	iShares Russell 2000 Growth ETF	(\$0.18B)	\$0.04B	(\$0.17B)	(\$0.11B)	\$9.54B
JHMM	John Hancock Multifactor Mid Cap ETF	(\$0.10B)	\$0.07B	\$0.22B	\$0.55B	\$3.17B
SDY	SPDR S&P Dividend ETF	(\$0.09B)	(\$0.73B)	(\$1.24B)	(\$0.64B)	\$21.02B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.07B)	(\$0.13B)	(\$0.21B)	(\$0.84B)	\$29.28B
IVW	iShares S&P 500 Growth ETF	(\$0.06B)	\$1.57B	\$1.94B	\$1.95B	\$35.03B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.05B)	(\$0.78B)	(\$0.97B)	(\$1.33B)	\$28.54B

* 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	-2.06%	48.40%	0.58%	13.28%	52.56
XLE	Energy Select Sector SPDR Fund	-2.09%	27.90%	5.04%	8.80%	61.06
SPY	SPDR S&P 500 ETF Trust	-3.09%	24.42%	-0.90%	6.08%	46.29
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.15%	34.34%	-0.34%	10.71%	49.61
XLI	Industrial Select Sector SPDR Fund	-5.47%	26.38%	-3.05%	2.12%	37.59
XLB	Materials Select Sector SPDR Fund	-5.53%	19.07%	-2.23%	0.18%	41.59
XLF	Financial Select Sector SPDR Fund	-6.03%	14.79%	0.30%	2.35%	55.99
XLK	Technology Select Sector SPDR Fund	-6.05%	45.29%	-1.99%	10.56%	43.80
XLV	Health Care Select Sector SPDR Fund	-6.17%	8.54%	-1.51%	-0.55%	40.06
XLP	Consumer Staples Select Sector SPDR Fund	-7.69%	7.58%	-2.88%	-3.42%	40.11
XLU	Utilities Select Sector SPDR Fund	-11.42%	4.63%	-0.59%	-4.03%	54.29
XLRE	Real Estate Select Sector SPDR Fund	-13.51%	7.14%	-3.11%	-3.68%	40.80

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	0.99%
IAK	iShares U.S. Insurance ETF	0.94%
PSI	Invesco Semiconductors ETF	0.87%
XLE	Energy Select Sector SPDR Fund	0.84%
FTXL	First Trust Nasdaq Semiconductor ETF	0.79%
KIE	SPDR S&P Insurance ETF	0.75%
AML	Alerian MLP ETF	0.70%
PPA	Invesco Aerospace & Defense ETF	0.64%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.60%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	0.60%

Sector & Industry Most Overbought

Ticker	Fund	Value
IAK	iShares U.S. Insurance ETF	67.35
BIZD	VanEck BDC Income ETF	65.67
KIE	SPDR S&P Insurance ETF	64.56
XES	SPDR S&P Oil & Gas Equipment & Services ETF	64.53
KBWP	Invesco KBW Property & Casualty Insurance ETF	63.53
IEZ	iShares U.S. Oil Equipment & Services ETF	63.21
VDE	Vanguard Energy ETF	63.08
AML	Alerian MLP ETF	61.71
IYE	iShares U.S. Energy ETF	61.68
FTXN	First Trust Nasdaq Oil & Gas ETF	61.31

Sector & Industry 1 Day Performance Laggards

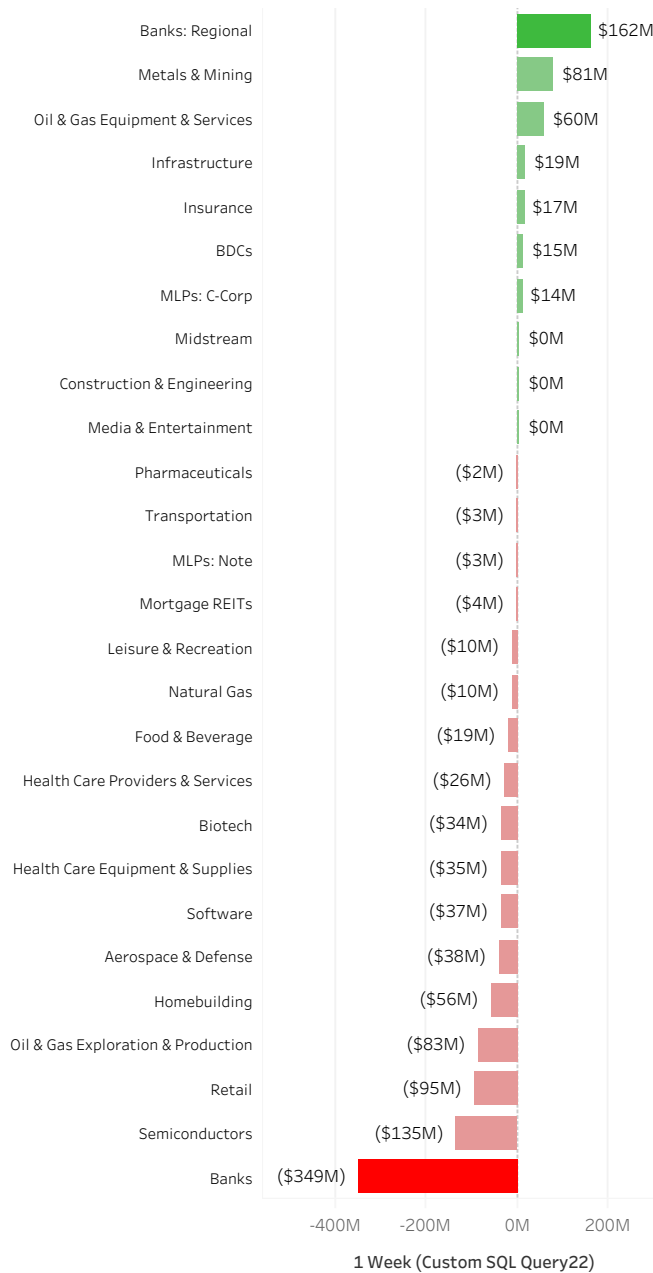
Ticker	Fund	1 Day Performance
KRE	SPDR S&P Regional Banking ETF	-1.89%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.86%
KBWR	Invesco KBW Regional Banking ETF	-1.68%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.65%
XRT	SPDR S&P Retail ETF	-1.59%
XBI	SPDR S&P BIOTECH ETF	-1.50%
NURE	Nuveen Short-Term REIT ETF	-1.32%
IAT	iShares U.S. Regional Banks ETF	-1.30%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-1.28%
REZ	iShares Residential and Multisector Real Estate ETF	-1.20%

Sector & Industry Most Oversold

Ticker	Fund	Value
XHS	SPDR S&P Health Care Services ETF	23.57
PSCH	Invesco S&P SmallCap Health Care ETF	27.74
XHE	SPDR S&P Health Care Equipment ETF	29.16
PBE	Invesco Biotechnology & Genome ETF	30.33
XBI	SPDR S&P BIOTECH ETF	31.84
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	32.59
ITA	iShares U.S. Aerospace & Defense ETF	32.72
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	32.81
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	33.06
FXH	First Trust Health Care AlphaDEX Fund	33.62

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

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$19B	(\$283M)	\$994M	\$2,879M	\$2,743M
Consumer Discretionary	12	\$28B	\$216M	\$1,616M	\$3,329M	\$2,508M
Consumer Staples	10	\$28B	\$106M	(\$1,304M)	(\$193M)	\$641M
Energy	31	\$75B	\$493M	\$1,164M	(\$5,350M)	(\$6,710M)
Financials	26	\$57B	(\$1,088M)	(\$585M)	(\$2,726M)	\$106M
Health Care	23	\$88B	\$133M	(\$2,240M)	(\$2,454M)	(\$3,917M)
Industrial	13	\$34B	\$32M	\$772M	\$1,048M	\$2,781M
Materials	9	\$13B	\$182M	(\$655M)	(\$1,789M)	(\$1,455M)
Multi-Sector	18	\$19B	(\$39M)	\$1,335M	\$2,733M	\$2,042M
Real Estate	25	\$55B	(\$42M)	\$304M	(\$1,226M)	(\$3,721M)
Technology	23	\$149B	(\$235M)	(\$1,640M)	\$1,693M	\$2,842M
Utilities	9	\$24B	(\$10M)	(\$847M)	(\$285M)	(\$1,427M)

U.S. Sector & Industry Flow Leaders

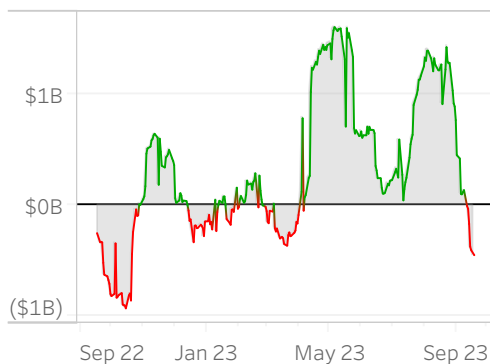
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$357M	\$334M	(\$2,640M)	(\$2,354M)	\$39,231M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$328M	\$1,279M	\$2,264M	\$1,250M	\$18,938M
XLV	Health Care Select Sector SPDR Fund	\$238M	(\$1,516M)	(\$291M)	(\$169M)	\$39,528M
KRE	SPDR S&P Regional Banking ETF	\$164M	(\$460M)	(\$969M)	\$634M	\$2,879M
XLP	Consumer Staples Select Sector SPDR Fund	\$162M	(\$262M)	\$750M	\$1,322M	\$17,039M
IEO	iShares U.S. Oil & Gas Exploration & Production..	\$116M	\$168M	(\$79M)	(\$108M)	\$904M
VDE	Vanguard Energy ETF	\$101M	\$484M	\$153M	(\$21M)	\$8,893M
IYW	iShares U.S. Technology ETF	\$92M	(\$1,603M)	(\$529M)	\$1,446M	\$11,093M
XLB	Materials Select Sector SPDR Fund	\$82M	(\$226M)	(\$76M)	(\$81M)	\$5,632M
XME	SPDR S&P Metals & Mining ETF	\$81M	(\$296M)	(\$402M)	\$4M	\$1,844M

U.S. Sector & Industry Flow Laggards

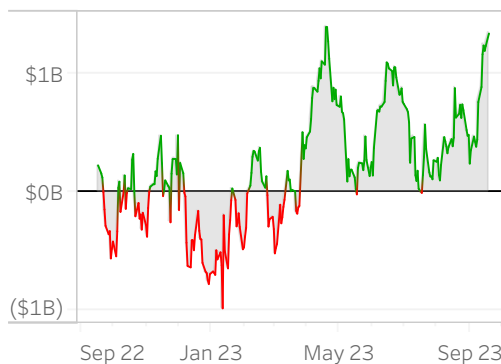
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$877M)	(\$245M)	(\$24M)	\$768M	\$32,378M
KBE	SPDR S&P Bank ETF	(\$354M)	(\$270M)	(\$266M)	(\$532M)	\$1,204M
XLC	Communication Services Select Sector SPDR Fu..	(\$293M)	\$624M	\$2,490M	\$2,398M	\$13,932M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$206M)	\$50M	(\$279M)	(\$620M)	\$3,730M
XLK	Technology Select Sector SPDR Fund	(\$188M)	(\$698M)	\$56M	(\$1,512M)	\$49,001M
SOXX	iShares Semiconductor ETF	(\$121M)	(\$201M)	\$82M	\$224M	\$8,512M
XRT	SPDR S&P Retail ETF	(\$95M)	(\$85M)	(\$218M)	\$155M	\$351M
ITA	iShares U.S. Aerospace & Defense ETF	(\$38M)	(\$275M)	(\$339M)	\$1,164M	\$5,218M
XLRE	Real Estate Select Sector SPDR Fund	(\$37M)	(\$19M)	(\$130M)	(\$222M)	\$4,447M
IGV	iShares Expanded Tech-Software Sector ETF	(\$36M)	\$133M	\$256M	\$1,422M	\$6,473M

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Communication Services



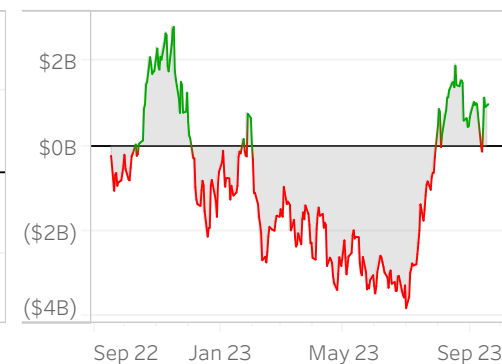
Consumer Discretionary



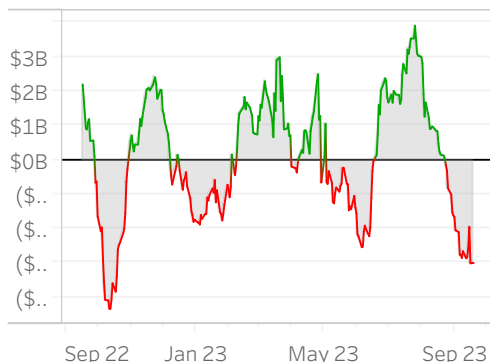
Consumer Staples



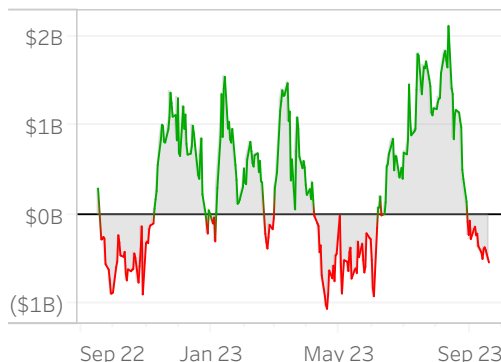
Energy



Financials



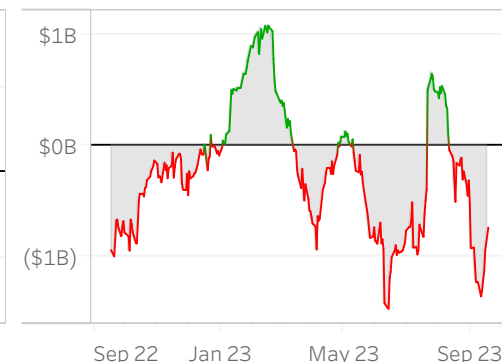
Industrial



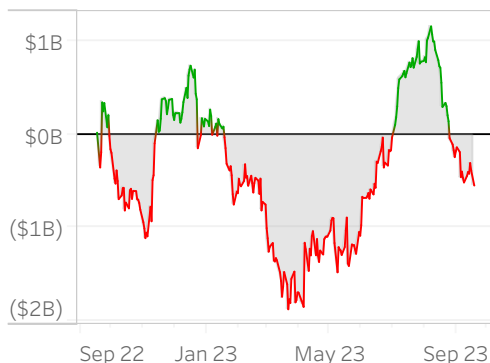
Health Care



Materials



Real Estate



Technology



Utilities

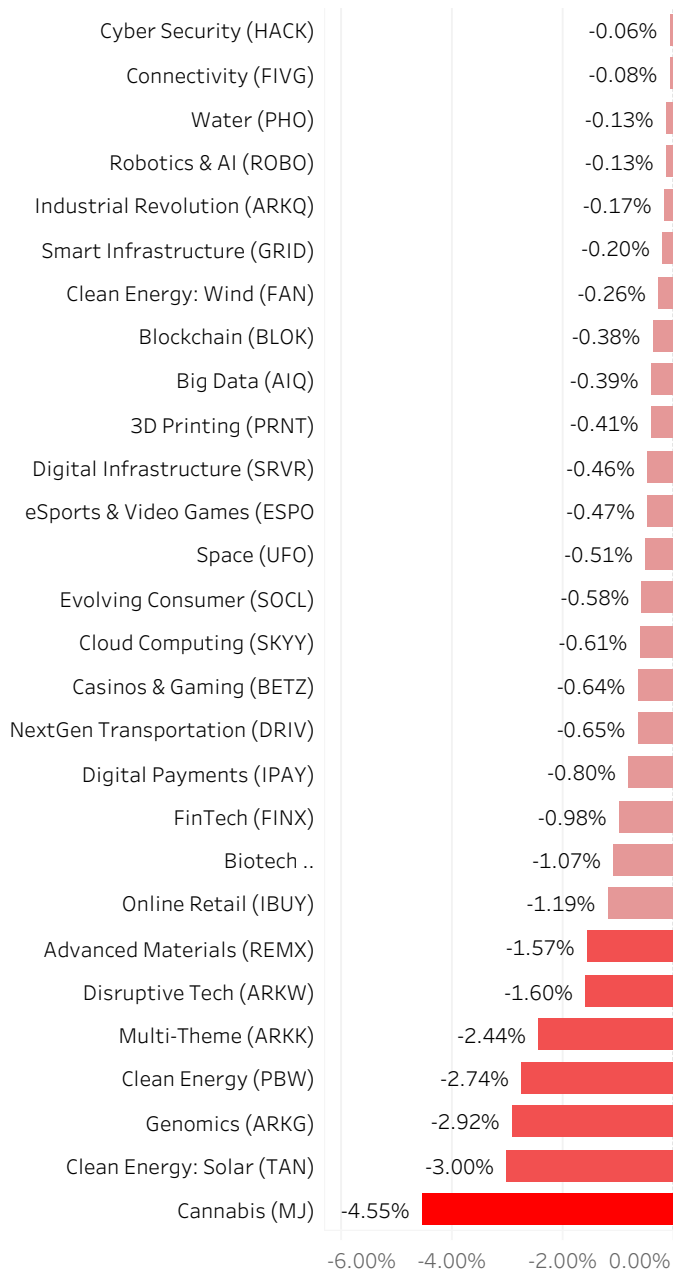


Multi-Sector

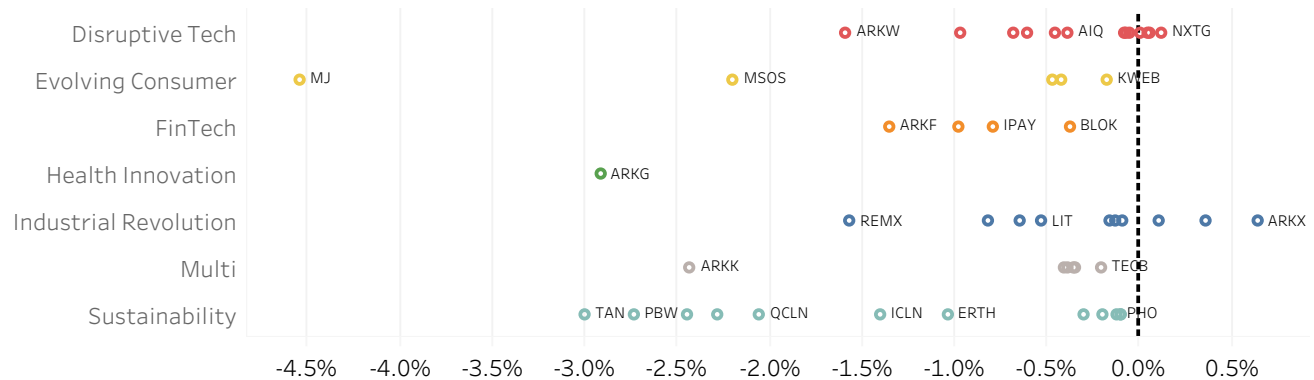


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ARKX	ARK Space Exploration & Innovation ETF	0.64%
BOTZ	Global X Robotics & Artificial Intelligence ETF	0.35%
SAMT	Strategas Macro Thematic Opportunities ETF	0.30%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	0.30%
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	0.18%
BKCH	Global X Blockchain ETF	0.12%
NXTG	First Trust Indxx NextG ETF	0.11%
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	0.10%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	0.08%
KLDW	Knowledge Leaders Developed World ETF	0.05%

Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	73.26
YOLO	AdvisorShares Pure Cannabis ETF	71.77
MJUS	ETFMG U.S. Alternative Harvest ETF	71.67
MJ	ETFMG Alternative Harvest ETF	64.49
IHAK	iShares Cybersecurity & Tech ETF	53.23
SAMT	Strategas Macro Thematic Opportunities ETF	51.52
BUG	Global X Cybersecurity ETF	51.48
LEGR	First Trust Indxx Innovative Transaction & Process ETF	51.14
NXTG	First Trust Indxx NextG ETF	50.73
HACK	ETFMG Prime Cyber Security ETF	49.94

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MJ	ETFMG Alternative Harvest ETF	-4.55%
YOLO	AdvisorShares Pure Cannabis ETF	-3.31%
MJUS	ETFMG U.S. Alternative Harvest ETF	-3.25%
TAN	Invesco Solar ETF	-3.00%
ARKG	ARK Genomic Revolution ETF	-2.92%
PBW	Invesco WilderHill Clean Energy ETF	-2.74%
GNOM	Global X Genomics & Biotechnology ETF	-2.48%
ACES	ALPS Clean Energy ETF	-2.45%
ARKK	ARK Innovation ETF	-2.44%
CNRG	SPDR S&P Kensho Clean Power ETF	-2.29%

Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	23.02
EDOC	Global X Telemedicine & Digital Health ETF Registered	24.37
HTEC	ROBO Global Healthcare Technology and Innovation ETF	27.84
ARKG	ARK Genomic Revolution ETF	31.20
CTEC	Global X CleanTech ETF	31.34
GNOM	Global X Genomics & Biotechnology ETF	31.84
GDOC	Goldman Sachs Future Health Care Equity ETF	32.13
TAN	Invesco Solar ETF	33.39
ROBO	ROBO Global Robotics & Automation Index ETF	33.48
IZRL	ARK Israel Innovative Technology ETF	33.65

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

Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$42M
AIQ	Global X Artificial Intelligence & Technology ETF	\$17M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$12M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$7M
TAN	Invesco Solar ETF	\$4M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$2M
MSOS	AdvisorShares Pure US Cannabis ETF	\$2M
THNQ	ROBO Global Artificial Intelligence ETF	\$2M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$2M
POTX	Global X Cannabis ETF	\$1M

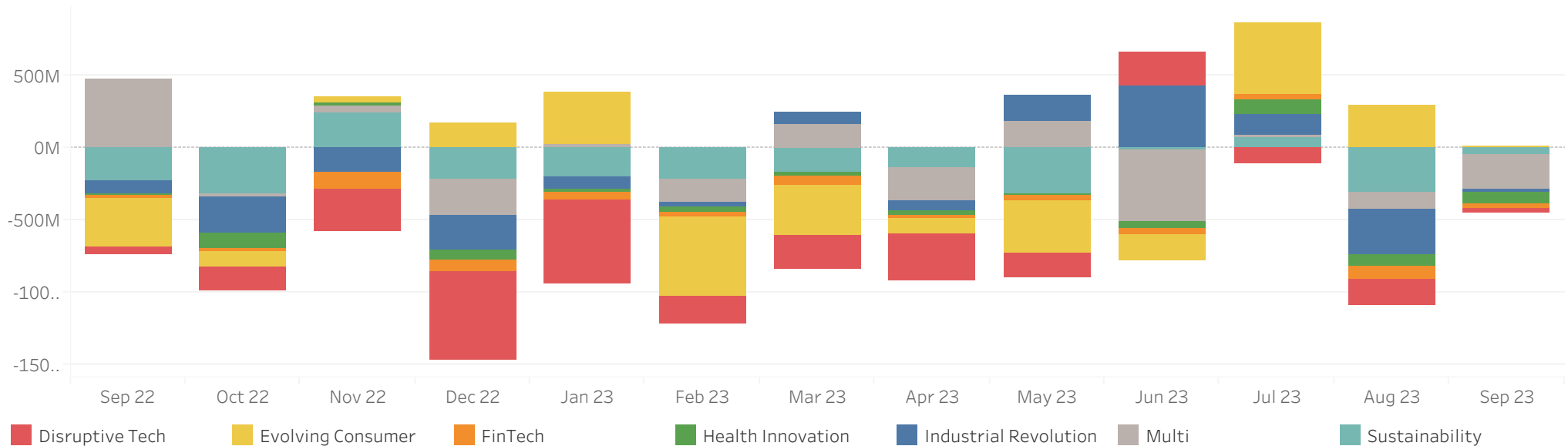
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	(\$45M)
LIT	Global X Lithium & Battery Tech ETF	(\$30M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$19M)
KWEB	KraneShares CSI China Internet ETF	(\$19M)
PBW	Invesco WilderHill Clean Energy ETF	(\$18M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$14M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$13M)
BUG	Global X Cybersecurity ETF	(\$13M)
IPAY	ETFMG Prime Mobile Payments ETFMG Prime Mobile Payments F..	(\$10M)
LEGR	First Trust Indxx Innovative Transaction & Process ETF	(\$10M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$55M)	(\$317M)	(\$679M)	(\$2,706M)
Evolving Consumer	40	\$9B	(\$6M)	\$777M	\$133M	(\$632M)
FinTech	17	\$3B	(\$20M)	(\$106M)	(\$199M)	(\$562M)
Health Innovation	18	\$3B	(\$35M)	(\$81M)	(\$230M)	(\$453M)
Industrial Revolution	30	\$11B	(\$29M)	(\$129M)	\$391M	(\$412M)
Multi	38	\$15B	\$61M	(\$604M)	(\$1,106M)	(\$631M)
Sustainability	40	\$14B	(\$46M)	(\$513M)	(\$863M)	(\$1,886M)
Grand Total	217	\$71B	(\$131M)	(\$973M)	(\$2,554M)	(\$7,282M)

Thematic Monthly Flows

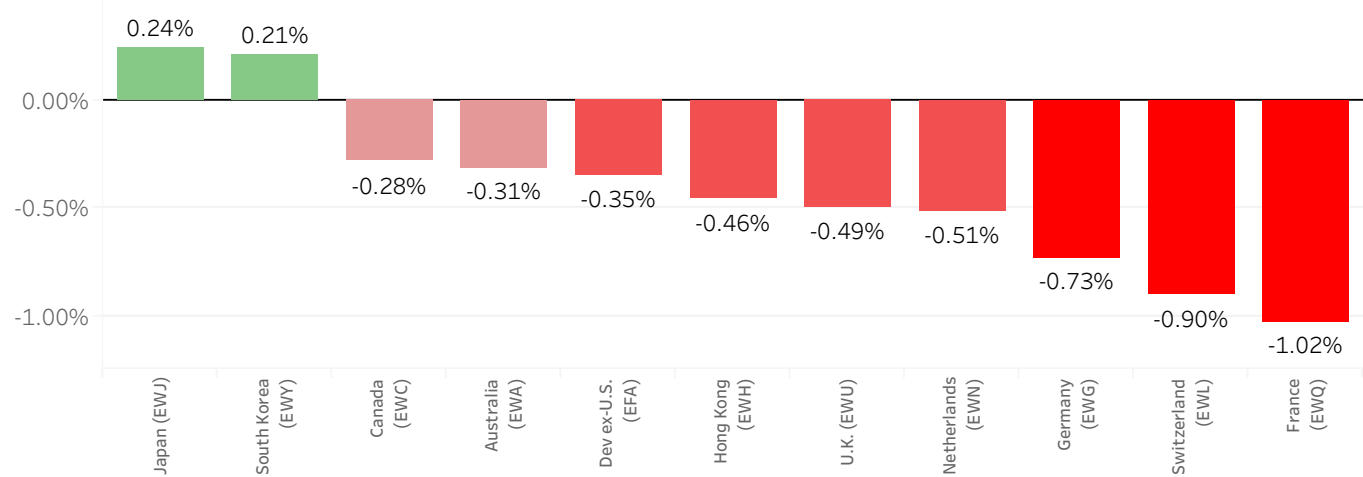


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

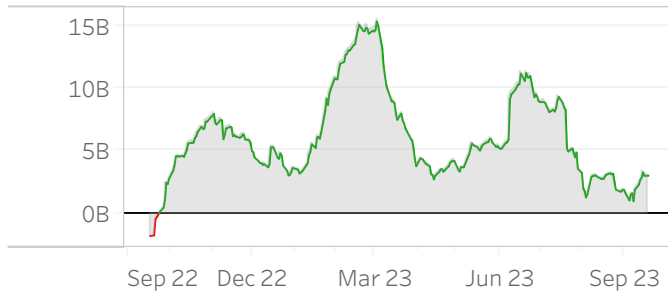
Developed ex-U.S. (EFA)



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



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



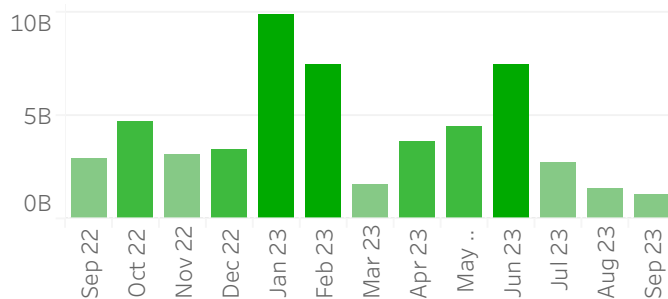
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
ENZL	iShares MSCI New Zealand ETF	0.95%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.31%
FLKR	Franklin FTSE South Korea ETF	0.31%
SCJ	iShares MSCI Japan Small-Cap ETF	0.30%
FLJP	Franklin FTSE Japan ETF	0.29%
JPXN	iShares JPX-Nikkei 400 ETF	0.28%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.27%
BBJP	JPMorgan BetaBuilders Japan ETF	0.27%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.24%
EWJ	iShares MSCI Japan ETF	0.24%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	75.77
EWJV	iShares MSCI Japan Value ETF	75.09
HEWJ	iShares Currency Hedged MSCI Japan ETF	73.52
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	73.44
FLJP	Franklin FTSE Japan Hedged ETF	72.83
FJP	First Trust Japan AlphaDEX Fund	72.30
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	72.21
LVHI	Franklin International Low Volatility High Dividend Index ..	65.39
BBJP	JPMorgan BetaBuilders Japan ETF	63.78
FLJP	Franklin FTSE Japan ETF	63.38

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EIRL	iShares MSCI Ireland ETF	-1.44%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.29%
EWQ	iShares MSCI Europe ETF	-1.02%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	-0.97%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.95%
EWL	iShares MSCI Switzerland ETF	-0.90%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.90%
IDHQ	Invesco S&P International Developed High Quality ETF	-0.81%
EWS	iShares MSCI Singapore ETF	-0.80%
FEP	First Trust Europe AlphaDEX Fund	-0.76%

Developed ex-U.S. Most Oversold

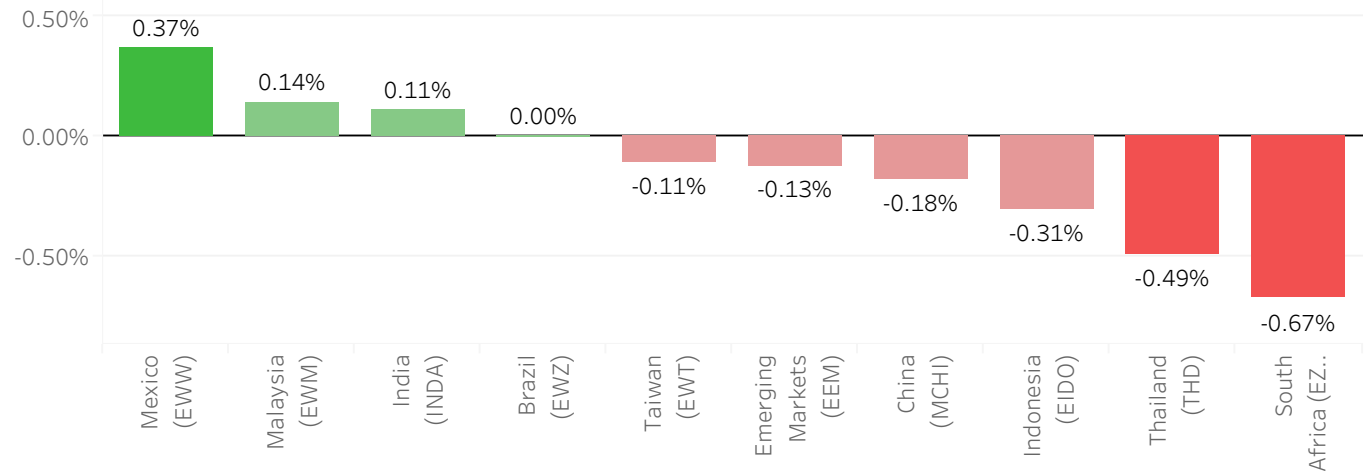
Ticker	Fund	Value
EWN	iShares MSCI Netherlands ETF	30.52
EWH	iShares MSCI Hong Kong ETF	33.82
IEUS	iShares MSCI Europe Small-Cap ETF	36.34
GREK	Global X MSCI Greece ETF	37.58
EFG	iShares MSCI EAFE Growth ETF	38.75
EIRL	iShares MSCI Ireland ETF	38.99
ISRA	VanEck Israel ETF	39.26
DFE	WisdomTree Europe SmallCap Dividend Fund	39.87
PIZ	Invesco Dorsey Wright Developed Markets Moment..	39.95
FEZ	SPDR EURO STOXX 50 ETF	39.98

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

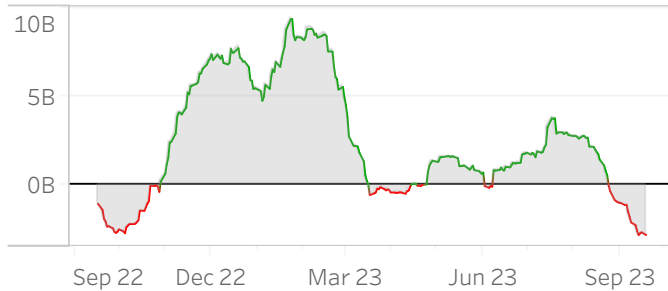
Emerging (EEM)



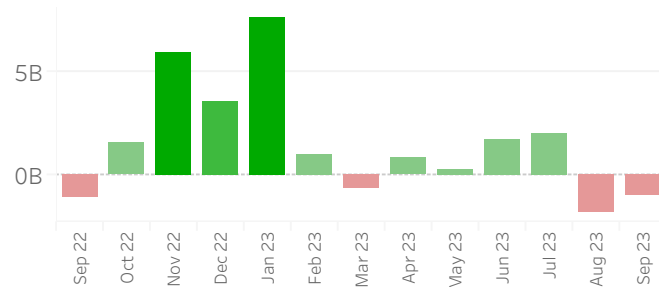
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	0.80%
CNYA	iShares MSCI China A ETF	0.68%
ECNS	iShares MSCI China Small-Cap ETF	0.64%
RAYC	Rayliant Quantamental China Equity ETF	0.56%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.54%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.41%
EWZ	iShares MSCI Mexico ETF	0.37%
EPU	iShares MSCI Peru and Global Exposure ETF	0.25%
FLCH	Franklin FTSE China ETF	0.23%
QAT	iShares MSCI Qatar ETF	0.17%

Emerging Most Overbought

Ticker	Fund	Value
INDA	iShares MSCI India ETF	63.04
NFTY	First Trust India NIFTY 50 Equal Weight ETF	62.66
INDY	iShares India 50 ETF	62.48
FLIN	Franklin FTSE India ETF	60.82
EPI	WisdomTree India Earnings Fund	60.72
EYLD	Cambria Emerging Shareholder Yield ETF	60.08
DEM	WisdomTree Emerging Markets High Dividend Fund	59.40
GLIN	VanEck India Growth Leaders ETF	59.28
DVYE	iShares Emerging Markets Dividend ETF	57.86
EWZ	iShares MSCI Brazil ETF	57.13

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-3.52%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.60%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-1.15%
KSA	iShares MSCI Saudi Arabia ETF	-1.11%
ECH	iShares MSCI Chile ETF	-1.10%
EPOL	iShares MSCI Poland ETF	-0.90%
GLIN	VanEck India Growth Leaders ETF	-0.87%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.75%
EZA	iShares MSCI South Africa ETF	-0.67%
THD	iShares MSCI Thailand ETF	-0.49%

Emerging Most Oversold

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	28.95
KSA	iShares MSCI Saudi Arabia ETF	30.85
EPHE	iShares MSCI Philippines ETF	34.47
ECH	iShares MSCI Chile ETF	35.62
PIE	Invesco Dorsey Wright Emerging Markets Momentu..	37.64
EELV	Invesco S&P Emerging Markets Low Volatility ETF	38.42
FRDM	Freedom 100 Emerging Markets ETF	38.71
THD	iShares MSCI Thailand ETF	38.75
EZA	iShares MSCI South Africa ETF	39.85
QAT	iShares MSCI Qatar ETF	40.15

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

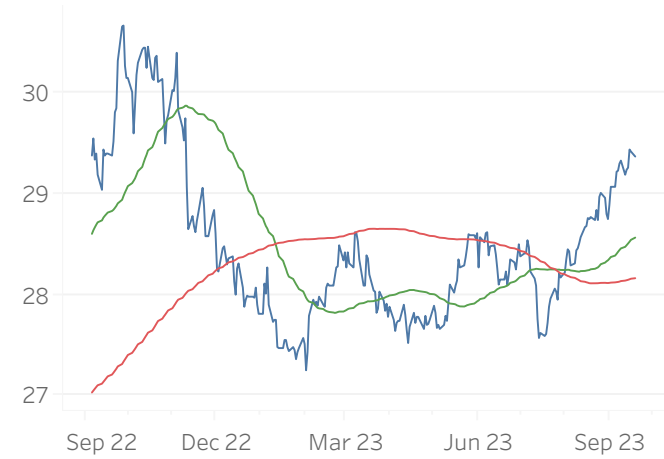
Fixed Income (AGG)



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	0.15%	0.28%	0.65%
SHY	1-3 Year Treasury Bonds	-0.01%	0.11%	1.52%
IEF	7-10 Year Treasury Bonds	0.10%	-0.19%	-0.90%
TLT	20+ Year Treasury Bonds	0.57%	0.00%	-4.07%
TIP	TIPS Bonds	0.21%	0.55%	0.87%
FLOT	Floating Rate Bonds	0.06%	0.52%	4.67%
LQD	Investment Grade Corporate	0.19%	0.81%	1.86%
HYG	High Yield Corporate	0.07%	1.28%	5.51%
BKLN	Senior Loan	0.09%	1.98%	9.78%
PFF	Preferred & Income Securities	0.36%	2.12%	4.74%
MUB	Municipal Bonds	0.11%	-0.12%	1.09%
MBB	MBS	0.12%	0.38%	0.04%
EMB	Dollar Denominated EM Bonds	0.06%	0.80%	3.19%
LEMB	Local Currency EM Bond	0.24%	-1.67%	2.90%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.03%	4.02%	-1.84%
DBE	Energy	0.12%	8.24%	6.66%
USO	WTI Crude Oil	0.20%	11.90%	16.17%
BNO	Brent Crude Oil	0.37%	12.40%	14.71%
UNG	Natural Gas	2.06%	0.14%	-50.71%
UGA	Gasoline	-0.35%	4.72%	24.05%
DBP	Precious Metals	0.58%	2.23%	3.39%
GLD	Gold	0.59%	2.32%	5.75%
SLV	Silver	0.90%	2.06%	-3.27%
PPLT	abrdn Physical Platin..	0.58%	2.33%	-13.24%
PALL	abrdn Physical Palla..	-0.24%	-0.80%	-30.40%
DBB	Base Metals	0.65%	4.72%	-4.16%
CPER	Copper	-0.47%	1.52%	1.04%
DBA	Agriculture	-0.72%	3.89%	10.07%
CORN	Corn	-0.68%	-3.11%	-18.98%
SOYB	Soybeans	-1.57%	-2.54%	-3.19%
WEAT	Wheat	-2.17%	-7.00%	-26.69%
CANE	Sugar	1.00%	13.09%	58.66%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.17%	2.09%	5.61%
UDN	Short Dollar	0.16%	-1.54%	0.11%
FXE	Euro	0.31%	-1.52%	0.89%
FXB	British Pound Sterling	-0.03%	-2.55%	4.52%
FXF	Swiss Franc	-0.01%	-1.71%	2.74%
FXJ	Japanese Yen	0.08%	-1.72%	-11.56%
FXC	Canadian Dollar	0.22%	0.59%	1.82%
FXA	Australian Dollar	0.08%	0.71%	-4.76%

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