

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

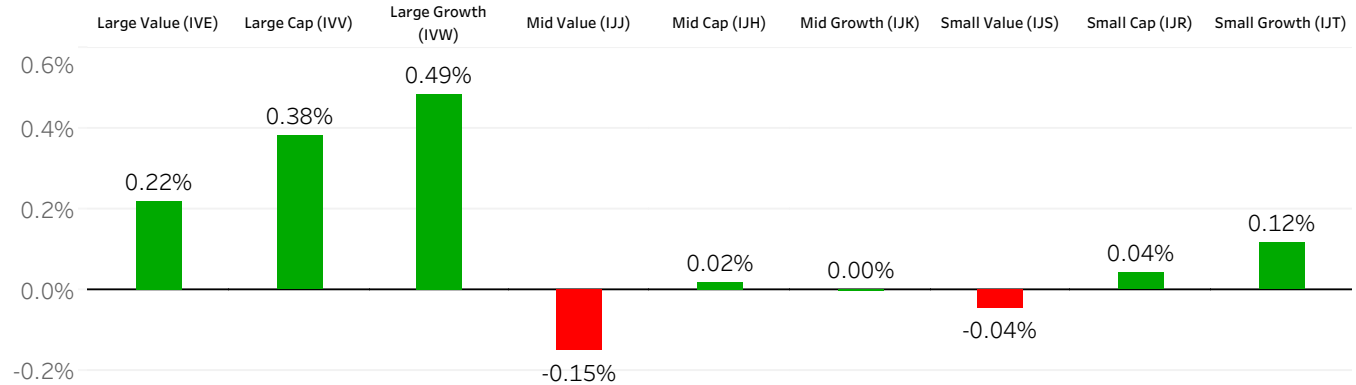


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
FFTY	Innovator IBD 50 ETF	2.35%
IPO	Renaissance IPO ETF	1.92%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.71%
BUZZ	VanEck Social Sentiment ETF	1.46%
FPX	First Trust US Equity Opportunities ETF	1.33%
AIEQ	AI Powered Equity ETF	1.20%
TMFC	Motley Fool 100 Index ETF	0.98%
DWAS	Invesco DWA SmallCap Momentum ETF	0.95%
PDP	Invesco DWA Momentum ETF	0.90%
HDV	iShares Core High Dividend ETF	0.89%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	62.80
PTLC	Pacer Trendpilot US Large Cap ETF	58.11
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	54.24
FPX	First Trust US Equity Opportunities ETF	51.85
FCTR	First Trust Lunt U.S. Factor Rotation ETF	51.81
IPO	Renaissance IPO ETF	51.31
ONOF	Global X Adaptive U.S. Risk Management ETF	50.73
LSAT	Leadershares Alphafactor Tactical Focused ETF	50.67
FFTY	Innovator IBD 50 ETF	49.27
VFMO	Vanguard U.S. Momentum Factor ETF	48.84

Size & Style 1-Day Performance Laggards

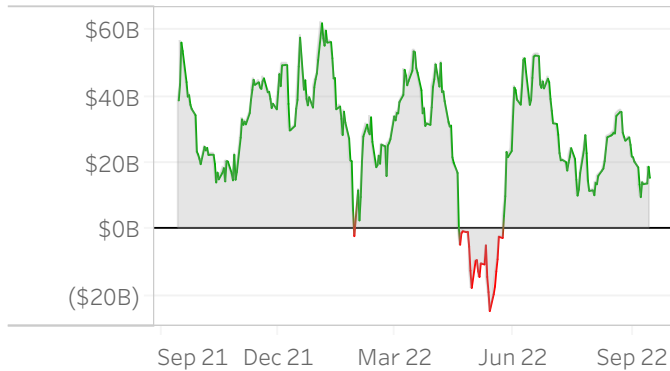
Ticker	Fund	Performance
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-9.36%
QVMM	Invesco S&P MidCap 400 QVM Multi-factor ETF	-3.94%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-3.60%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-2.08%
RPHS	Regents Park Hedged Market Strategy ETF	-1.60%
EQRR	ProShares Equities for Rising Rates ETF	-1.16%
XMVM	Invesco S&P MidCap Value with Momentum ETF	-1.05%
QVAL	Alpha Architect U.S. Quantitative Value ETF	-1.01%
PKW	Invesco Buyback Achievers ETF	-0.89%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.76%

Size & Style Most Oversold

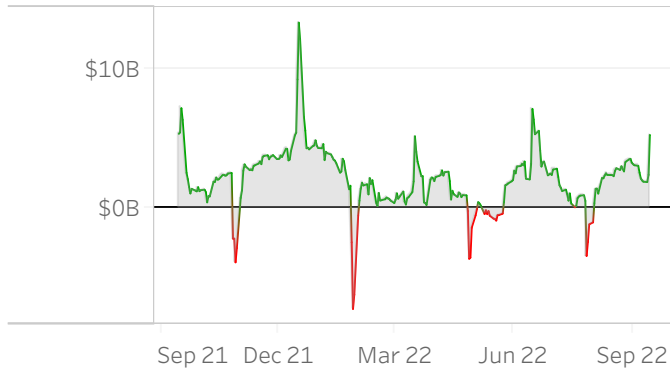
Ticker	Fund	Price
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	15.07
PTMC	Pacer Trendpilot US Mid Cap ETF	19.62
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	21.12
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	27.04
RPHS	Regents Park Hedged Market Strategy ETF	31.13
SIXS	ETC 6 Meridian Small Cap Equity ETF	34.10
CSB	VictoryShares US Small Cap High Dividend Volatility ..	34.69
XSVM	Invesco S&P SmallCap Value with Momentum ETF	36.00
DJD	Invesco Dow Jones Industrial Average Dividend ETF	36.59
RZV	Invesco S&P Smallcap 600 Pure Value ETF	37.10

*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 Growth, Beta	25	\$1,206B	(\$3.75B)	\$17.09B	\$25.97B	\$94.95B
Large Cap, Beta Growth, Beta: Growth	10	\$225B	\$0.69B	\$6.39B	\$13.41B	\$12.75B
Large Cap, Beta Growth, Beta: Value	11	\$214B	\$1.03B	(\$0.62B)	\$4.55B	\$25.33B
Mid Cap, Beta, Beta	10	\$180B	\$2.55B	\$1.11B	\$6.93B	\$12.37B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.75B	\$1.06B	\$1.72B	\$0.85B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.80B	(\$0.13B)	\$0.57B	\$1.72B
Small Cap, Beta, Beta	13	\$191B	\$1.76B	(\$1.53B)	(\$3.09B)	\$7.35B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.67B	(\$0.01B)	\$0.84B	\$0.71B
Small Cap, Beta, Beta: Value	7	\$50B	\$1.28B	(\$1.78B)	(\$3.00B)	(\$1.31B)

U.S. Size & Style Flow Leaders

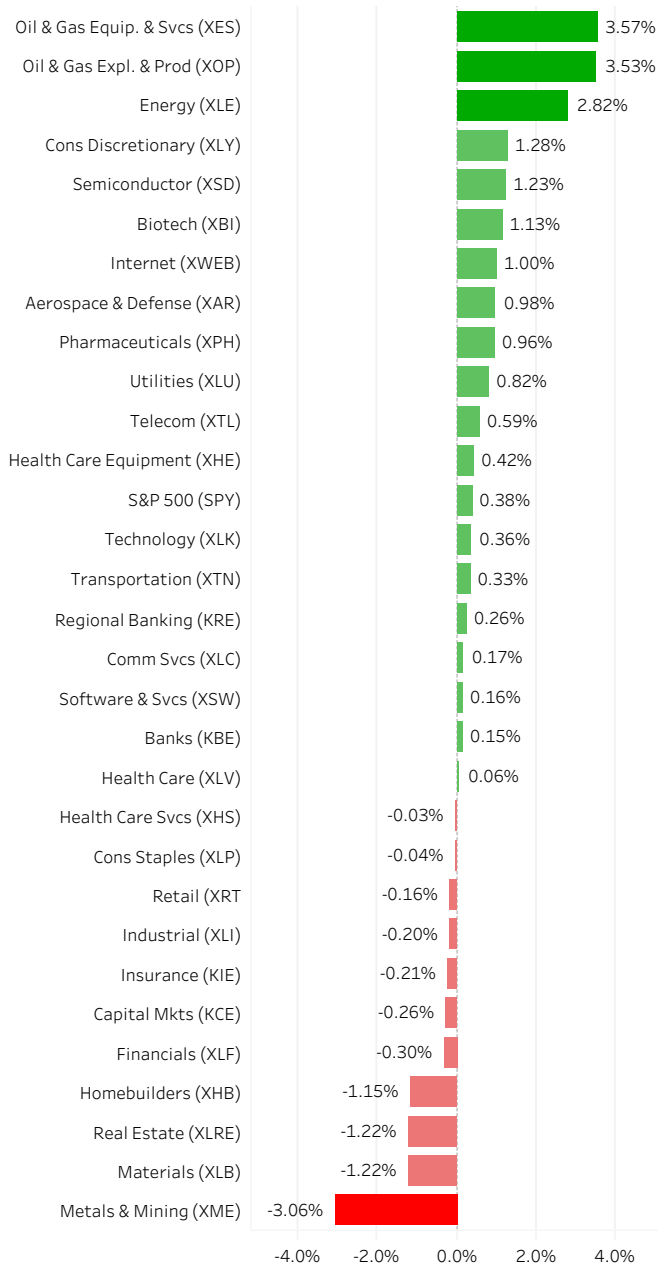
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$4.32B	\$6.46B	\$13.30B	\$32.74B	\$265.00B
VO	Vanguard Mid-Cap ETF	\$2.50B	\$0.17B	\$4.17B	\$4.98B	\$52.90B
VB	Vanguard Small-Cap ETF	\$1.96B	(\$0.83B)	\$0.63B	\$1.45B	\$43.60B
VBR	Vanguard Small Cap Value ETF	\$1.36B	(\$0.43B)	(\$0.44B)	\$1.33B	\$24.45B
VUG	Vanguard Growth ETF	\$1.16B	\$3.14B	\$6.99B	\$4.85B	\$74.58B
VTV	Vanguard Value ETF	\$1.00B	\$0.74B	\$5.66B	\$18.13B	\$99.05B
VOT	Vanguard Mid-Cap Growth ETF	\$0.73B	\$0.46B	\$0.96B	\$0.50B	\$10.57B
VOE	Vanguard Mid-Cap Value ETF	\$0.73B	(\$0.65B)	\$1.08B	\$2.33B	\$16.50B
QQQ	Invesco QQQ Trust	\$0.63B	\$0.86B	\$5.58B	\$13.05B	\$170.87B
VBK	Vanguard Small-Cap Growth ETF	\$0.58B	(\$0.08B)	\$0.53B	(\$0.08B)	\$13.19B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$5.17B)	(\$0.67B)	(\$3.42B)	(\$5.67B)	\$351.20B
IWM	iShares Russell 2000 ETF	(\$0.26B)	(\$3.25B)	(\$3.88B)	(\$1.93B)	\$52.43B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.26B)	\$1.15B	\$1.91B	\$1.64B	\$13.32B
IWB	iShares Russell 1000 ETF	(\$0.20B)	\$0.02B	\$0.66B	\$0.16B	\$27.03B
IWY	iShares Russell Top 200 Growth ETF	(\$0.15B)	\$0.19B	\$0.89B	\$1.29B	\$4.89B
PSC	Principal U.S. Small-Cap Multi-Factor ETF	(\$0.12B)	(\$0.35B)	(\$0.38B)	(\$1.20B)	\$0.30B
USMC	Principal U.S. Mega-Cap ETF	(\$0.12B)	(\$0.30B)	(\$0.31B)	(\$0.84B)	\$1.09B
IWR	iShares Russell Midcap ETF	(\$0.04B)	\$0.02B	\$0.93B	\$1.91B	\$27.49B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.04B)	(\$1.40B)	(\$1.31B)	(\$1.08B)	\$7.00B
RDVY	First Trust Rising Dividend Achievers ETF	(\$0.04B)	(\$0.13B)	(\$0.02B)	\$3.84B	\$8.17B

* 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)
XLU	Utilities Select Sector SPDR Fund	-1.87%	20.61%	3.67%	7.13%	55.41
XLE	Energy Select Sector SPDR Fund	-10.85%	57.94%	7.72%	12.03%	58.23
XLP	Consumer Staples Select Sector SPDR Fund	-10.93%	4.30%	-3.20%	-4.21%	37.11
XLV	Health Care Select Sector SPDR Fund	-11.01%	6.01%	-2.15%	-3.54%	45.17
XLI	Industrial Select Sector SPDR Fund	-14.05%	7.68%	-1.73%	-5.24%	40.69
XLB	Materials Select Sector SPDR Fund	-17.16%	5.82%	-1.88%	-9.15%	42.88
SPY	SPDR S&P 500 ETF Trust	-17.40%	7.86%	-2.21%	-6.93%	42.82
XLF	Financial Select Sector SPDR Fund	-19.72%	8.17%	-0.61%	-7.77%	45.24
XLRE	Real Estate Select Sector SPDR Fund	-20.40%	6.15%	-3.82%	-8.96%	38.71
XLY	Consumer Discretionary Select Sector SPDR Fund	-24.30%	18.87%	0.92%	-5.55%	49.36
XLK	Technology Select Sector SPDR Fund	-25.00%	7.28%	-5.09%	-10.26%	39.17
XLC	Communication Services Select Sector SPDR Fund	-35.55%	0.17%	-5.72%	-17.10%	38.83

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FCG	First Trust Natural Gas ETF	4.37%
PXI	Invesco DWA Energy Momentum ETF	4.32%
FXN	First Trust Energy AlphaDEX Fund	3.93%
PSCE	Invesco S&P SmallCap Energy ETF	3.84%
IEZ	iShares U.S. Oil Equipment & Services ETF	3.82%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.76%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	3.57%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.53%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.36%
AMZA	InfraCap MLP ETF	3.34%

Sector & Industry Most Overbought

Ticker	Fund	Technical Indicator
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	61.82
FXN	First Trust Energy AlphaDEX Fund	61.49
AMZA	InfraCap MLP ETF	60.59
IYE	iShares U.S. Energy ETF	60.15
FCG	First Trust Natural Gas ETF	60.14
AMLP	Alerian MLP ETF	59.59
MLPA	Global X MLP ETF	59.49
FENY	Fidelity MSCI Energy Index ETF	59.07
VDE	Vanguard Energy ETF	58.95
PXE	Invesco Dynamic Energy Exploration & Production ETF	58.78

Sector & Industry 1 Day Performance Laggards

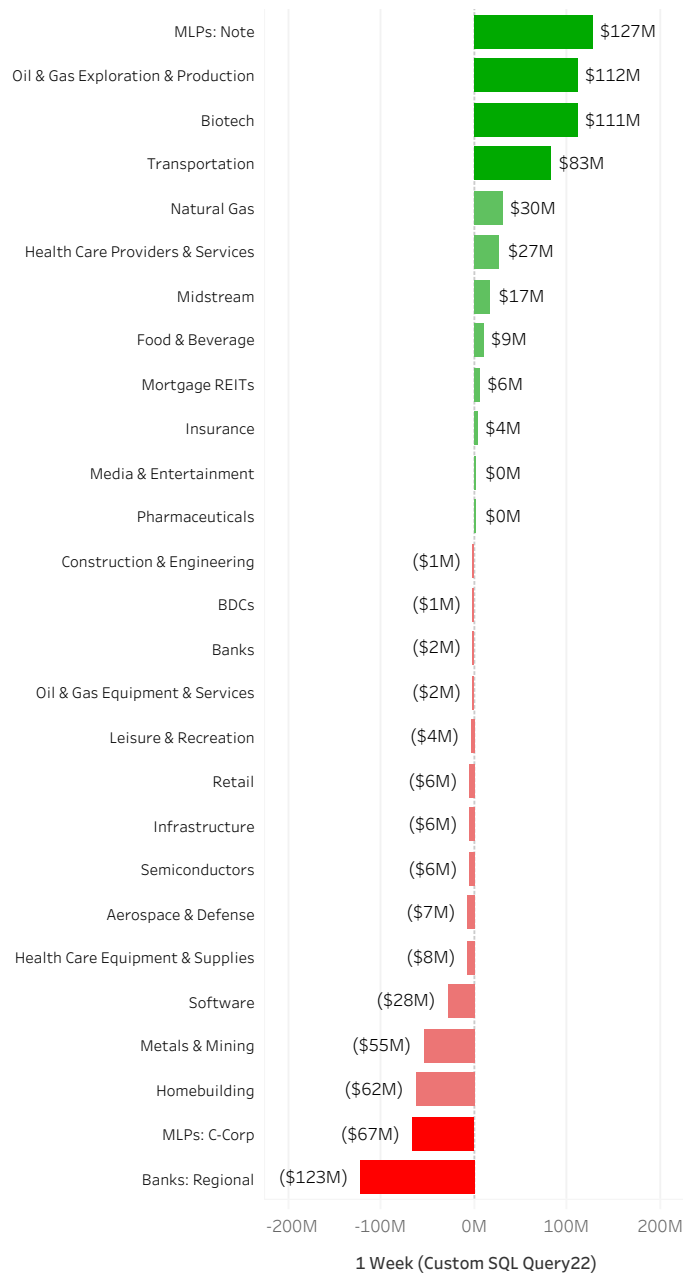
Ticker	Fund	1 Day Performance
FXZ	First Trust Materials AlphaDEX Fund	-3.23%
XME	SPDR S&P Metals & Mining ETF	-3.06%
PYZ	Invesco DWA Basic Materials Momentum ETF	-1.92%
PAVE	Global X U.S. Infrastructure Development ETF	-1.64%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-1.58%
FMAT	Fidelity MSCI Materials Index ETF	-1.50%
IYM	iShares U.S. Basic Materials ETF	-1.49%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.47%
RTM	Invesco S&P 500 Equal Weight Materials ETF	-1.42%
VAW	Vanguard Materials ETF	-1.42%

Sector & Industry Most Oversold

Ticker	Fund	Technical Indicator
KBWY	Invesco KBW Premium Yield Equity REIT ETF	33.44
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	34.75
FXG	First Trust Consumer Staples AlphaDEX Fund	35.15
IYZ	iShares U.S. Telecommunications ETF	35.43
ITB	iShares U.S. Home Construction ETF	35.55
FTXG	First Trust Nasdaq Food & Beverage ETF	35.76
PSCI	Invesco S&P SmallCap Industrials ETF	35.94
PKB	Invesco Dynamic Building & Construction ETF	36.18
NETL	NETlease Corporate Real Estate ETF	36.45
IYK	iShares U.S. Consumer Staples ETF	36.98

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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	8	\$13B	(\$351M)	(\$152M)	(\$656M)	(\$1,798M)
Consumer Discretionary	13	\$24B	\$277M	(\$580M)	(\$1,934M)	(\$4,185M)
Consumer Staples	11	\$28B	\$1,406M	\$2,357M	\$4,421M	\$7,412M
Energy	34	\$75B	\$332M	(\$4,325M)	(\$6,184M)	\$1,845M
Financials	27	\$60B	(\$374M)	(\$105M)	(\$12,359M)	(\$6,499M)
Health Care	24	\$90B	\$15M	\$1,165M	\$6,672M	\$11,038M
Industrial	14	\$28B	\$9M	(\$1,420M)	(\$3,254M)	(\$4,096M)
Materials	10	\$13B	(\$165M)	(\$2,872M)	(\$2,496M)	(\$1,422M)
Multi-Sector	19	\$14B	(\$37M)	(\$1,753M)	(\$2,878M)	(\$4,585M)
Real Estate	25	\$66B	\$261M	(\$2,158M)	(\$2,893M)	(\$755M)
Technology	24	\$109B	(\$447M)	(\$419M)	\$1,403M	\$468M
Utilities	10	\$29B	\$195M	\$1,440M	\$4,852M	\$5,196M

U.S. Sector & Industry Flow Leaders

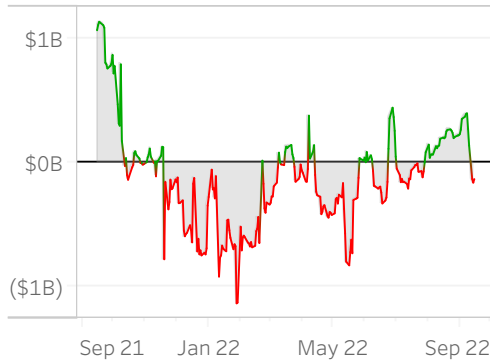
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	\$1,359M	\$1,583M	\$1,739M	\$3,734M	\$16,451M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$312M	(\$428M)	\$117M	(\$645M)	\$16,083M
XLRE	Real Estate Select Sector SPDR Fund	\$185M	\$299M	\$697M	\$1,698M	\$5,443M
IBB	iShares Biotechnology ETF	\$185M	\$50M	(\$57M)	\$67M	\$7,918M
AMJ	J.P. Morgan Alerian MLP Index ETN	\$127M	\$122M	\$126M	\$116M	\$2,717M
XLU	Utilities Select Sector SPDR Fund	\$122M	\$922M	\$3,369M	\$3,072M	\$18,131M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$108M	(\$365M)	(\$2,032M)	(\$741M)	\$4,466M
XLE	Energy Select Sector SPDR Fund	\$96M	(\$1,897M)	(\$2,398M)	(\$825M)	\$36,827M
VNQ	Vanguard Real Estate ETF	\$88M	(\$1,170M)	(\$1,867M)	\$357M	\$38,559M
IYT	iShares US Transportation ETF	\$83M	\$12M	(\$525M)	(\$507M)	\$917M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLC	Communication Services Select Sector SPDR Fu..	(\$372M)	(\$63M)	(\$338M)	(\$1,381M)	\$8,893M
IGM	iShares Expanded Tech Sector ETF	(\$350M)	(\$465M)	(\$338M)	\$485M	\$3,129M
XLF	Financial Select Sector SPDR Fund	(\$317M)	\$392M	(\$6,428M)	(\$3,048M)	\$32,180M
XLV	Health Care Select Sector SPDR Fund	(\$168M)	\$50M	\$4,898M	\$6,968M	\$38,046M
KRE	SPDR S&P Regional Banking ETF	(\$115M)	\$49M	(\$1,931M)	(\$764M)	\$3,271M
XLB	Materials Select Sector SPDR Fund	(\$90M)	(\$1,306M)	(\$1,006M)	(\$1,770M)	\$5,413M
XBI	SPDR S&P BIOTECH ETF	(\$75M)	\$250M	\$841M	\$3,076M	\$7,523M
AMPLP	Alerian MLP ETF	(\$68M)	(\$283M)	(\$88M)	\$447M	\$6,581M
XME	SPDR S&P Metals & Mining ETF	(\$55M)	(\$729M)	(\$1,047M)	(\$117M)	\$1,783M
XLI	Industrial Select Sector SPDR Fund	(\$38M)	(\$1,208M)	(\$2,186M)	(\$3,843M)	\$12,593M

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Communication Services



Consumer Discretionary



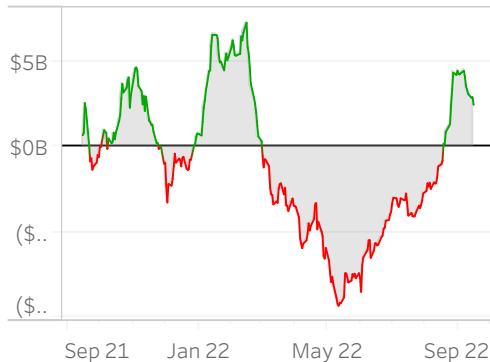
Consumer Staples



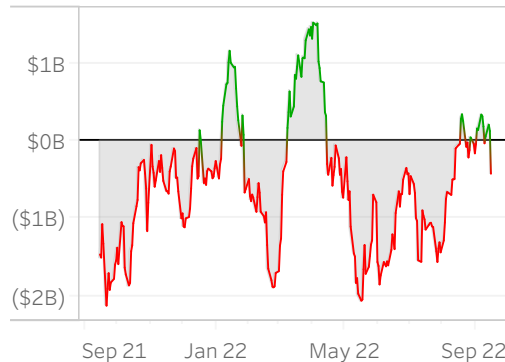
Energy



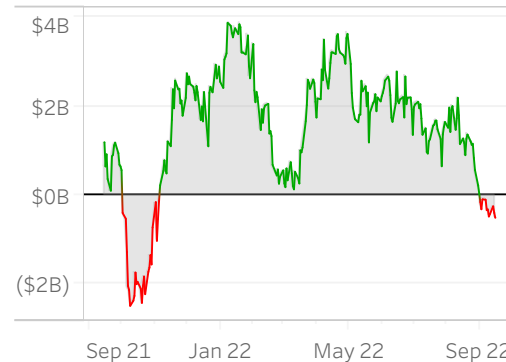
Financials



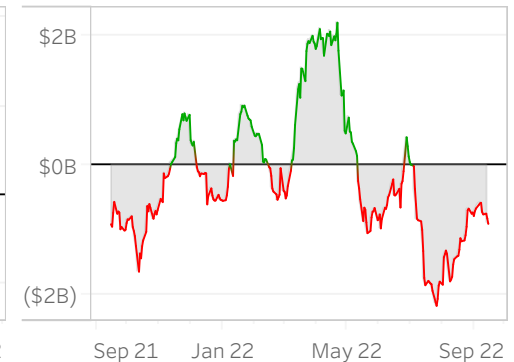
Industrial



Health Care



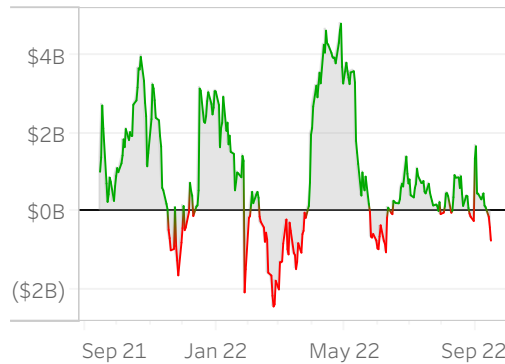
Materials



Real Estate



Technology



Utilities

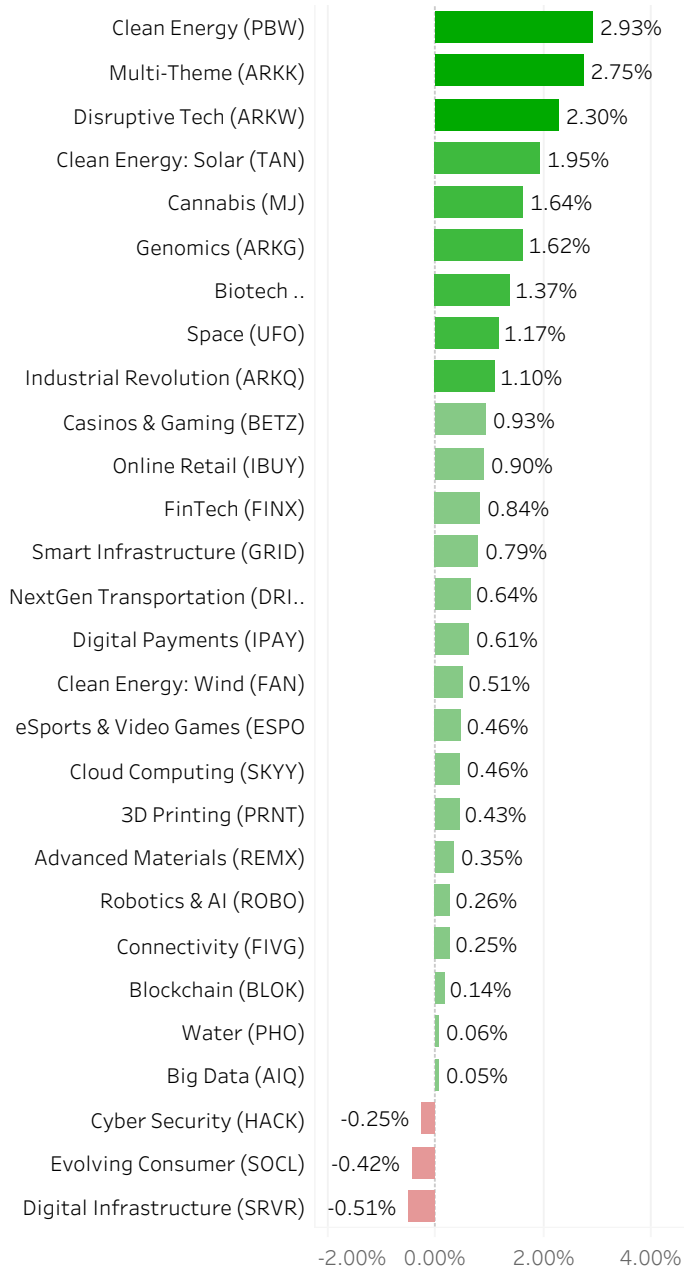


Multi-Sector

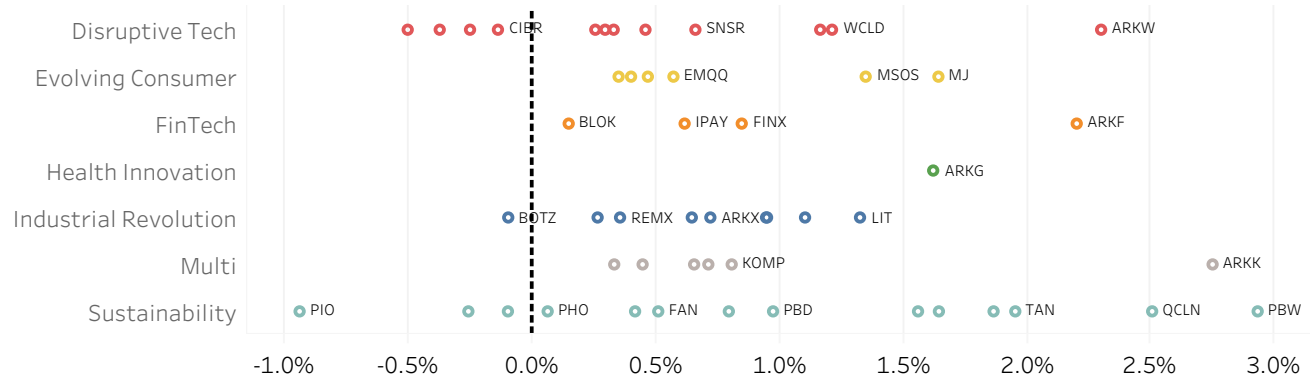


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
AWAY	ETFMG Travel Tech ETF	3.00%
PBW	Invesco WilderHill Clean Energy ETF	2.93%
ARKK	ARK Innovation ETF	2.75%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	2.50%
ARKW	ARK Next Generation Internet ETF	2.30%
ARKF	ARK Fintech Innovation ETF	2.20%
TAN	Invesco Solar ETF	1.95%
ACES	ALPS Clean Energy ETF	1.86%
CNRG	SPDR S&P Kensho Clean Power ETF	1.64%
MJ	ETFMG Alternative Harvest ETF	1.64%

Thematic Most Overbought

Ticker	Fund	Price
ACES	ALPS Clean Energy ETF	62.15
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	61.07
TAN	Invesco Solar ETF	59.82
CNRG	SPDR S&P Kensho Clean Power ETF	57.13
ICLN	iShares Global Clean Energy ETF	56.45
PBW	Invesco WilderHill Clean Energy ETF	56.26
AWAY	ETFMG Travel Tech ETF	54.56
CTEC	Global X CleanTech ETF	54.47
REMX	VanEck Rare Earth/Strategic Metals ETF	54.45
SMOG	VanEck Low Carbon Energy ETF	53.70

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
PIO	Invesco Global Water ETF	-0.94%
HDRO	Defiance Next Gen H2 ETF	-0.92%
YOLO	AdvisorShares Pure Cannabis ETF	-0.78%
BJK	VanEck Gaming ETF	-0.62%
POTX	Global X Cannabis ETF	-0.61%
MJUS	ETFMG U.S. Alternative Harvest ETF	-0.58%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.57%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-0.51%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.45%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-0.42%

Thematic Most Oversold

Ticker	Fund	Price
VPN	Global X Data Center REITs & Digital Infrastructure ETF	35.79
YOLO	AdvisorShares Pure Cannabis ETF	36.28
NXTG	First Trust Indxx NextG ETF	36.48
PAWZ	ProShares Pet Care ETF	36.72
KGRN	KraneShares MSCI China Clean Technology Index ETF	37.56
FIVG	Defiance Next Gen Connectivity ETF	37.89
ESPO	VanEck Video Gaming and eSports ETF	38.38
BOTZ	Global X Robotics & Artificial Intelligence ETF	38.50
HERO	Global X Video Games & Esports ETF	38.54
MJUS	ETFMG U.S. Alternative Harvest ETF	38.63

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$134M
FIW	First Trust Water ETF	\$20M
ARKW	ARK Next Generation Internet ETF	\$15M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$10M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$10M
ARKF	ARK Fintech Innovation ETF	\$7M
CLOU	Global X Cloud Computing ETF	\$5M
PBW	Invesco WilderHill Clean Energy ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M
TENG	Direxion Daily 5G Communications Bull 2X Shares	\$3M

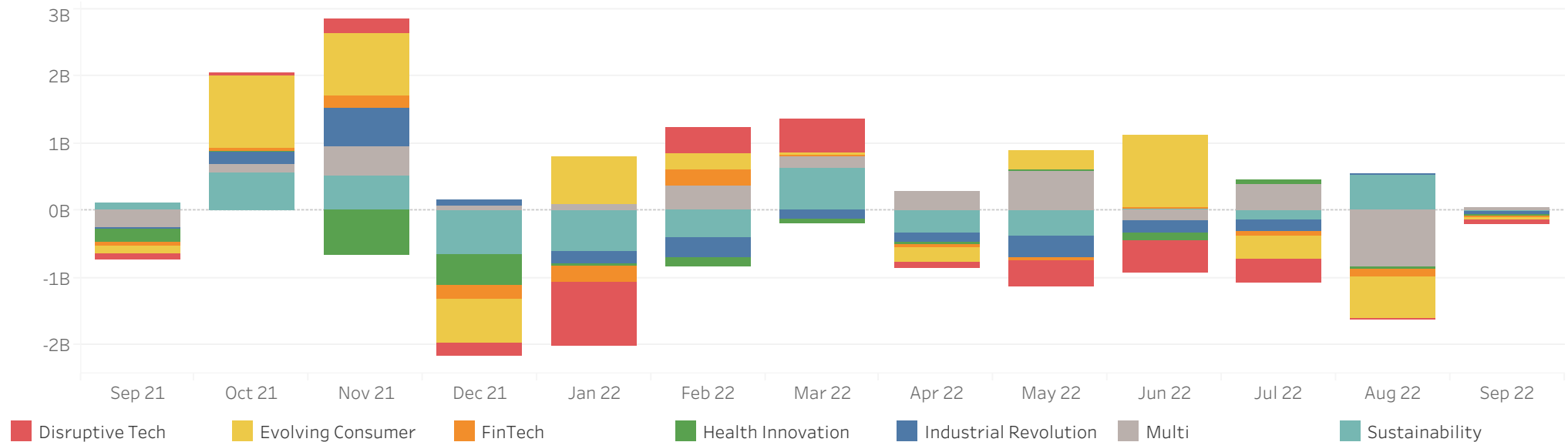
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$31M)
SKYY	First Trust Cloud Computing ETF	(\$19M)
TARK	AXS 2X Innovation ETF	(\$17M)
HACK	ETFMG Prime Cyber Security ETF	(\$17M)
ICLN	iShares Global Clean Energy ETF	(\$16M)
BLOK	Amplify Transformational Data Sharing ETF	(\$11M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$11M)
AWAY	ETFMG Travel Tech ETF	(\$8M)
UFO	Procore Space ETF	(\$5M)
LIT	Global X Lithium & Battery Tech ETF	(\$4M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$26M)	(\$534M)	(\$1,216M)	(\$1,475M)
Evolving Consumer	47	\$10B	(\$38M)	(\$487M)	\$761M	\$2,382M
FinTech	24	\$3B	\$5M	(\$194M)	(\$235M)	(\$344M)
Health Innovation	19	\$4B	\$9M	(\$112M)	(\$67M)	(\$1,670M)
Industrial Revolution	32	\$12B	(\$10M)	(\$322M)	(\$939M)	(\$635M)
Multi	41	\$15B	\$44M	(\$171M)	\$154M	\$1,360M
Sustainability	42	\$20B	\$46M	\$538M	(\$239M)	(\$168M)
Grand Total	240	\$83B	\$30M	(\$1,281M)	(\$1,781M)	(\$551M)

Thematic Monthly Flows

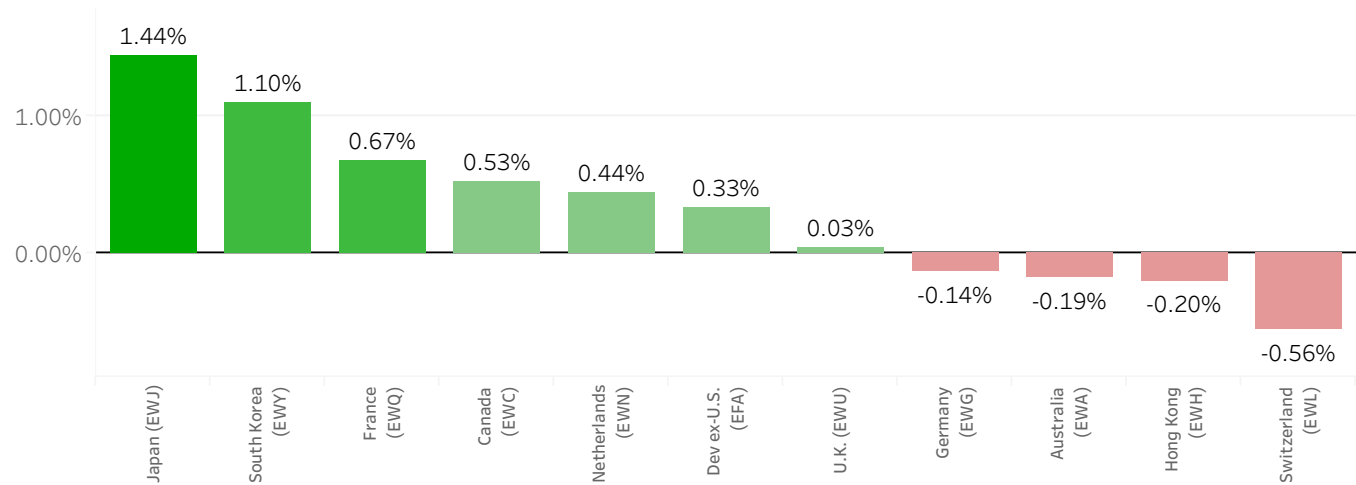


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

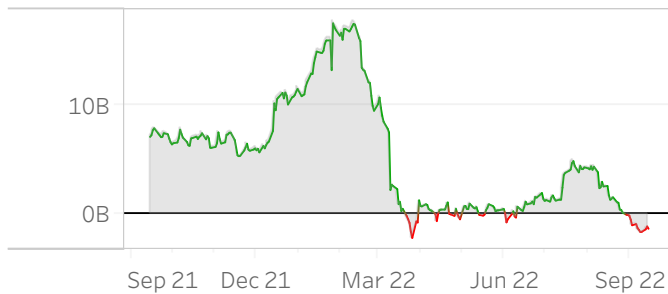
Developed ex-U.S. (EFA)



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



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



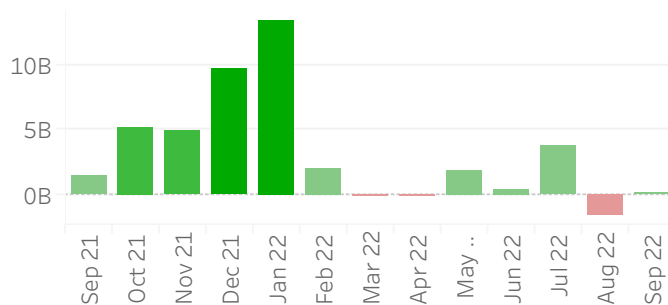
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	1.77%
SCJ	iShares MSCI Japan Small-Cap ETF	1.55%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.47%
BBJP	JPMorgan BetaBuilders Japan ETF	1.44%
EWJ	iShares MSCI Japan ETF	1.44%
EWI	iShares MSCI Italy ETF	1.44%
FLJP	Franklin FTSE Japan ETF	1.41%
NORW	Global X MSCI Norway ETF	1.31%
PDN	Invesco FTSE RAFI Developed Markets ex-US Small-Mid ETF	1.27%
GREK	Global X MSCI Greece ETF	1.18%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWI	iShares MSCI Italy ETF	52.64
PTIN	Pacer Trendpilot International ETF	51.97
DXJ	WisdomTree Japan Hedged Equity Fund	50.86
HEWJ	iShares Currency Hedged MSCI Japan ETF	49.65
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	49.31
EWP	iShares MSCI Spain ETF	49.00
BBCA	JPMorgan BetaBuilders Canada ETF	49.00
EWC	iShares MSCI Canada ETF	48.96
FLCA	Franklin FTSE Canada ETF	48.46
EWO	iShares MSCI Austria ETF	48.37

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	-3.12%
CIL	VictoryShares International Volatility Wtd ETF	-0.78%
FLSW	Franklin FTSE Switzerland ETF	-0.68%
EWD	iShares MSCI Sweden ETF	-0.59%
EWL	iShares MSCI Switzerland ETF	-0.56%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.51%
EIS	iShares MSCI Israel ETF	-0.31%
EWO	iShares MSCI Austria ETF	-0.27%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.26%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.25%

Developed ex-U.S. Most Oversold

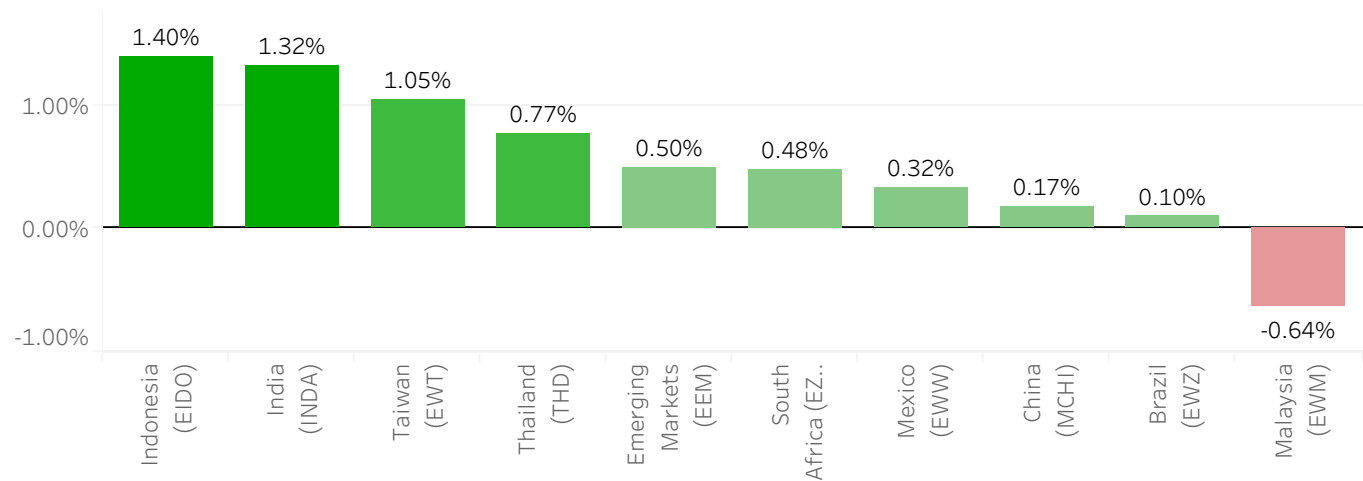
Ticker	Fund	Value
QLVD	FlexShares Developed Markets ex-US Quality Low V..	35.95
EWH	iShares MSCI Hong Kong ETF	36.72
IMFL	Invesco International Developed Dynamic Multifact..	36.94
EFAV	iShares MSCI EAFE Min Vol Factor ETF	37.02
AIA	iShares Asia 50 ETF	37.64
IDLV	Invesco S&P International Developed Low Volatility ..	38.04
DEEF	Xtrackers FTSE Developed ex US Multifactor ETF	38.86
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	39.00
EWY	iShares MSCI South Korea ETF	39.00
JPIN	J.P. Morgan Diversified Return International Equity ..	39.48

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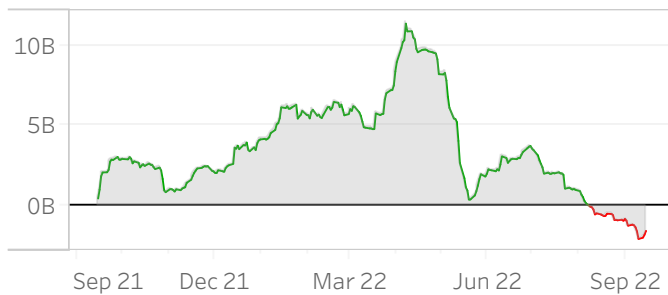
Emerging (EEM)



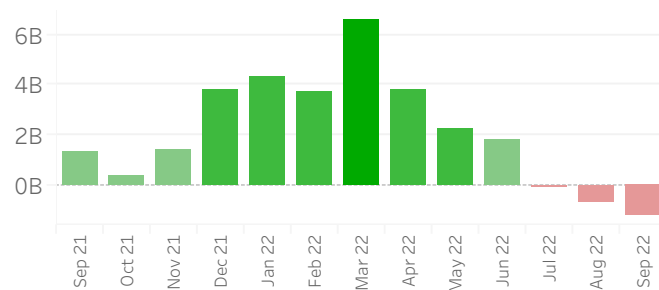
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	5.01%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	2.19%
SMIN	iShares MSCI India Small Cap ETF	1.96%
EPI	WisdomTree India Earnings Fund	1.61%
GLIN	VanEck India Growth Leaders ETF	1.59%
PIE	Invesco DWA Emerging Markets Momentum ETF	1.49%
FRDM	Freedom 100 Emerging Markets ETF	1.48%
ECH	iShares MSCI Chile ETF	1.46%
EIDO	iShares MSCI Indonesia ETF	1.40%
EPOL	iShares MSCI Poland ETF	1.37%

Emerging Most Overbought

Ticker	Fund	Price
EIDO	iShares MSCI Indonesia ETF	67.40
SMIN	iShares MSCI India Small Cap ETF	63.37
TUR	iShares MSCI Turkey ETF	62.10
EPI	WisdomTree India Earnings Fund	60.88
INDA	iShares MSCI India ETF	58.81
FLIN	Franklin FTSE India ETF	58.29
INDY	iShares India 50 ETF	57.75
GLIN	VanEck India Growth Leaders ETF	57.40
PIN	Invesco India ETF	56.71
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	54.95

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWM	iShares MSCI Malaysia ETF	-0.64%
EPHE	iShares MSCI Philippines ETF	-0.50%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	-0.21%
QAT	iShares MSCI Qatar ETF	-0.20%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-0.20%
ILF	iShares Latin America 40 ETF	-0.04%
KSA	iShares MSCI Saudi Arabia ETF	-0.02%
FLCH	Franklin FTSE China ETF	0.01%
ECNS	iShares MSCI China Small-Cap ETF	0.02%
PGJ	Invesco Golden Dragon China ETF	0.07%

Emerging Most Oversold

Ticker	Fund	Price
EDIV	SPDR S&P Emerging Markets Dividend ETF	36.29
FM	iShares MSCI Frontier and Select EM ETF	37.06
EWI	iShares MSCI Taiwan ETF	38.14
EWM	iShares MSCI Malaysia ETF	38.42
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	39.14
EELV	Invesco S&P Emerging Markets Low Volatility ETF	39.42
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	39.56
RAYC	Rayliant Quantamental China Equity ETF	39.78
LDEM	iShares ESG MSCI EM Leaders ETF	39.93
ECNS	iShares MSCI China Small-Cap ETF	39.97

*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	0.13%	-3.60%	-11.84%
SHY	1-3 Year Treasury Bonds	-0.09%	-0.87%	-3.93%
IEF	7-10 Year Treasury Bonds	0.05%	-4.38%	-13.06%
TLT	20+ Year Treasury Bonds	0.34%	-6.30%	-26.09%
TIP	TIPS Bonds	0.25%	-2.89%	-9.12%
FLOT	Floating Rate Bonds	0.08%	0.37%	-0.06%
LQD	Investment Grade Corporate	0.48%	-5.31%	-17.07%
HYG	High Yield Corporate	0.15%	-5.26%	-11.66%
BKLN	Senior Loan	0.00%	-2.11%	-3.14%
PFF	Preferred & Income Securities	0.30%	-5.60%	-13.62%
MUB	Municipal Bonds	-0.18%	-2.72%	-8.61%
MBB	MBS	0.23%	-4.16%	-10.60%
EMB	Dollar Denominated EM Bonds	-0.07%	-5.70%	-19.91%
LEMB	Local Currency EM Bond	0.06%	-3.77%	-14.05%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.00%	-1.42%	26.17%
DBE	Energy	0.52%	-1.77%	45.84%
USO	WTI Crude Oil	1.00%	-3.00%	33.79%
BNO	Brent Crude Oil	0.92%	-3.00%	42.23%
UNG	Natural Gas	7.96%	3.93%	151.80%
UGA	Gasoline	2.03%	-9.84%	35.08%
DBP	Precious Metals	-0.29%	-6.32%	-10.52%
GLD	Gold	-0.38%	-5.92%	-7.62%
SLV	Silver	0.95%	-6.10%	-16.32%
PPLT	abrdn Physical Platin..	2.95%	-5.81%	-6.45%
PALL	abrdn Physical Palla..	2.65%	-2.57%	13.51%
DBB	Base Metals	-0.31%	-5.69%	-14.38%
CPER	Copper	-0.42%	-4.86%	-22.38%
LD	Lead	0.75%	-12.54%	-15.98%
JJN	Nickel	1.00%	4.30%	17.70%
JJU	Aluminum	-0.62%	-6.08%	-18.38%
JJT	Tin	2.55%	-15.15%	-43.54%
DBA	Agriculture	-0.63%	-0.53%	4.05%
CORN	Corn	-0.98%	6.02%	26.74%
SOYB	Soybeans	-1.37%	0.74%	20.26%
WEAT	Wheat	1.37%	6.09%	20.16%
CANE	Sugar	0.67%	-1.85%	-2.17%
BAL	Cotton	0.21%	-6.77%	10.46%
NIB	Cocoa	-1.66%	-4.15%	-16.62%
JO	Coffee	-2.23%	-3.16%	-2.09%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.20%	4.00%	14.63%
UDN	Short Dollar	0.23%	-3.94%	-13.34%
FXE	Euro	0.05%	-2.85%	-12.91%
FXB	British Pound Sterling	0.27%	-4.92%	-14.76%
FXF	Swiss Franc	-0.13%	-2.28%	-6.03%
FXJ	Japanese Yen	0.91%	-6.83%	-19.87%
FXC	Canadian Dollar	0.03%	-3.08%	-4.14%
FXA	Australian Dollar	0.15%	-5.34%	-7.38%

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