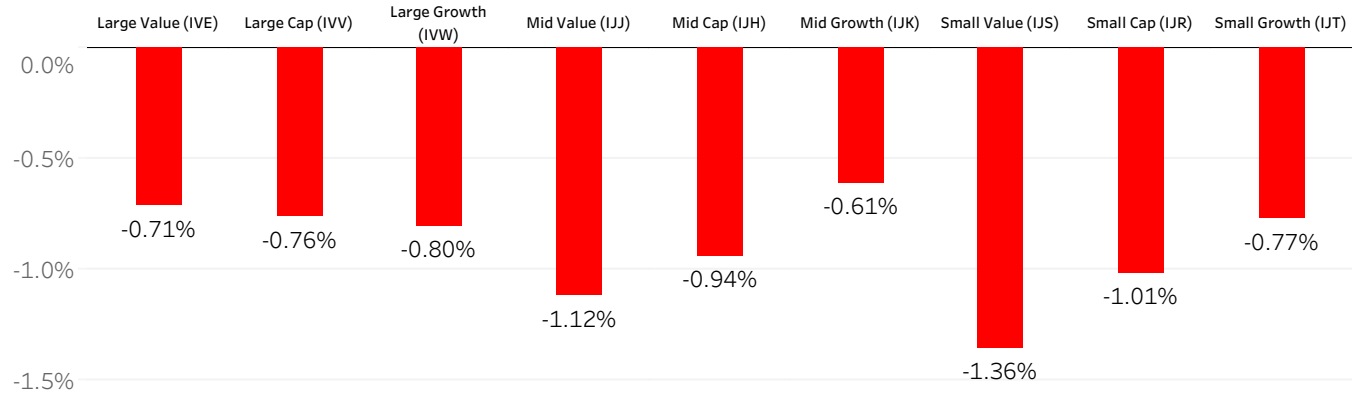


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
PSET	Principal Quality ETF	-0.07%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	-0.10%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-0.14%
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	-0.29%
RPG	Invesco S&P 500 Pure Growth ETF	-0.30%
BIBL	Inspire 100 ETF	-0.31%
FLQL	Franklin LibertyQ U.S. Equity ETF	-0.31%
VOT	Vanguard Mid-Cap Growth ETF	-0.32%
JOET	Virtus Terranova US Quality Momentum ETF	-0.34%
HDV	iShares Core High Dividend ETF	-0.34%

Size & Style Most Overbought

Ticker	Fund	Value
IPO	Renaissance IPO ETF	65.46
FFTY	Innovator IBD 50 ETF	63.73
RPG	Invesco S&P 500 Pure Growth ETF	60.62
MMLG	First Trust Multi-Manager Large Growth ETF	57.55
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	57.48
AIEQ	AI Powered Equity ETF	56.83
PWB	Invesco Dynamic Large Cap Growth ETF	56.71
PSET	Principal Quality ETF	56.12
QQQM	Invesco NASDAQ 100 ETF	56.10
NUMG	Nuveen ESG Mid-Cap Growth ETF	56.09

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
EWSC	Invesco S&P Smallcap 600 Equal Weight ETF	-1.59%
FYC	First Trust Small Cap Growth AlphaDEX Fund	-1.58%
LSAT	Leadershires Alphafactor Tactical Focused ETF	-1.50%
DEEP	Roundhill Acquirers Deep Value ETF	-1.43%
SLYV	SPDR S&P 600 Small Cap Value ETF	-1.41%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	-1.39%
RYJ	Invesco Raymond James SB-1 Equity ETF	-1.36%
IJS	iShares S&P Small-Cap 600 Value ETF	-1.36%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	-1.34%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-1.34%

Size & Style Most Oversold

Ticker	Fund	Value
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	34.47
DJD	Invesco Dow Jones Industrial Average Dividend ETF	36.06
SDY	SPDR S&P Dividend ETF	36.23
DIA	SPDR Dow Jones Industrial Average ETF Trust	36.51
ABEQ	Absolute Core Strategy ETF	36.71
EDOW	First Trust Dow 30 Equal Weight ETF	37.37
MGV	Vanguard Mega Cap Value ETF	37.46
SMDV	ProShares Russell 2000 Dividend Growers ETF	37.50
VSMV	VictoryShares US Multi-Factor Minimum Volatility E..	37.99
CSB	VictoryShares US Small Cap High Dividend Volatility ..	38.17

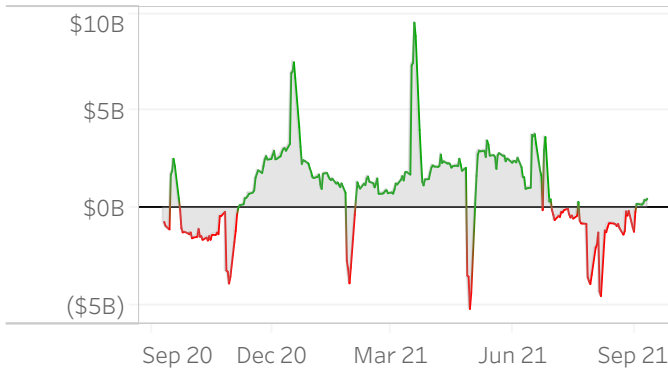
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

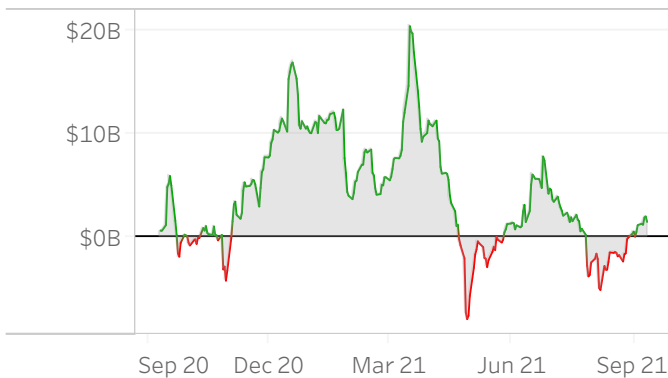
Large-Cap 30-Day Rolling Flows



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	24	\$1,286B	\$1.73B	\$51.75B	\$70.09B	\$88.71B
Large Cap, Beta Growth, Beta: Growth	10	\$264B	\$0.57B	\$8.97B	\$9.76B	\$3.47B
Mid Cap, Beta, Beta	10	\$186B	\$0.19B	\$0.71B	\$3.35B	\$7.89B
Small Cap, Beta, Beta: Growth	7	\$39B	\$0.18B	\$0.33B	(\$0.17B)	\$1.60B
Mid Cap, Beta, Beta: Growth	6	\$41B	\$0.08B	\$0.13B	(\$1.28B)	(\$2.34B)
Large Cap, Beta Growth, Beta: Value	10	\$199B	\$0.07B	\$1.59B	\$14.85B	\$31.92B
Small Cap, Beta, Beta: Value	7	\$56B	\$0.05B	(\$1.26B)	\$0.12B	\$8.81B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.03B)	(\$1.02B)	\$1.19B	\$3.73B
Small Cap, Beta, Beta	12	\$215B	(\$0.17B)	\$2.46B	\$0.34B	\$22.98B

U.S. Size & Style Flow Leaders

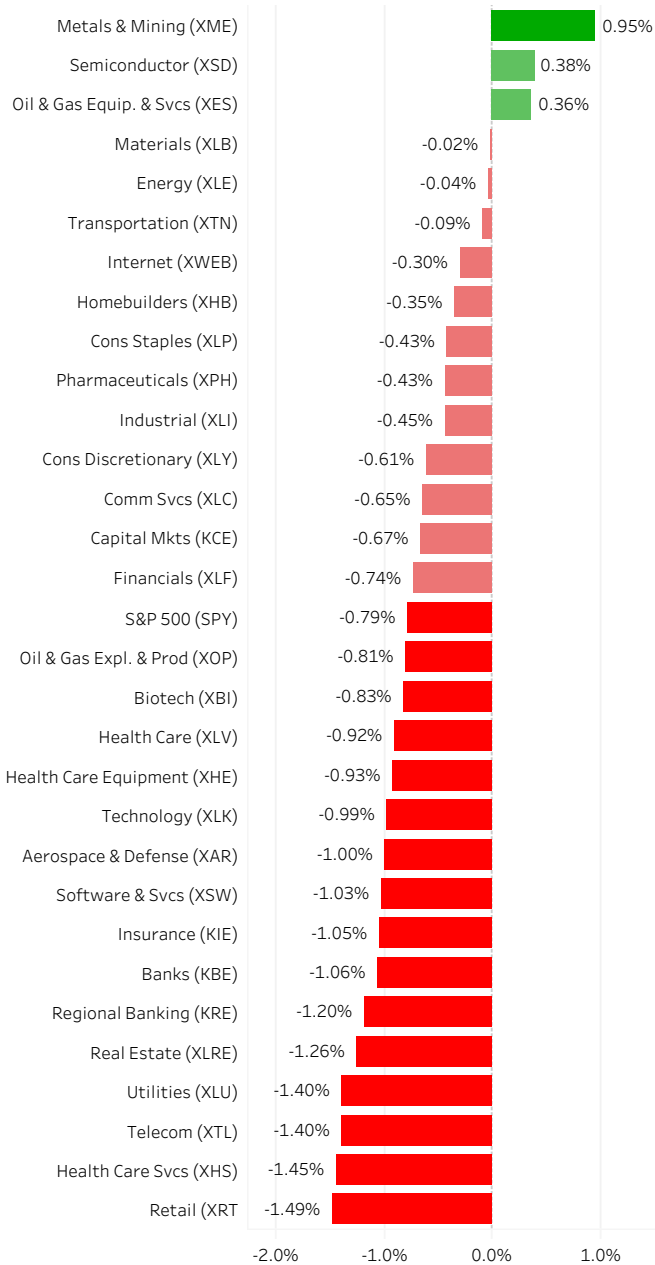
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.47B	\$15.77B	\$16.88B	\$6.23B	\$401.45B
VTI	Vanguard Total Stock Market ETF	\$0.76B	\$11.14B	\$22.18B	\$46.13B	\$271.92B
IVV	iShares Core S&P 500 ETF	\$0.63B	\$7.41B	\$9.25B	\$19.74B	\$304.98B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.38B	\$2.52B	\$3.06B	\$2.11B	\$14.64B
VOO	Vanguard S&P 500 ETF	\$0.29B	\$11.81B	\$23.53B	\$36.69B	\$254.81B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.28B	(\$0.66B)	\$1.03B	\$2.04B	\$30.54B
VV	Vanguard Large-Cap ETF	\$0.17B	\$0.54B	\$0.84B	\$0.76B	\$26.28B
IJH	iShares Core S&P Mid-Cap ETF	\$0.15B	\$0.14B	\$0.77B	\$0.17B	\$63.60B
SCHD	Schwab US Dividend Equity ETF	\$0.13B	\$1.98B	\$6.04B	\$9.93B	\$27.73B
VO	Vanguard Mid-Cap ETF	\$0.12B	\$1.38B	\$2.41B	\$4.30B	\$52.84B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.11B)	\$12.18B	\$12.38B	\$14.82B	\$194.49B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.58B)	\$2.22B	\$1.95B	(\$0.70B)	\$24.78B
IWM	iShares Russell 2000 ETF	(\$0.38B)	\$0.48B	(\$4.08B)	\$6.90B	\$67.30B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.11B)	(\$0.85B)	(\$0.71B)	(\$0.33B)	\$20.84B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.11B)	\$0.14B	\$0.33B	\$0.52B	\$3.94B
IWD	iShares Russell 1000 Value ETF	(\$0.08B)	(\$0.22B)	\$1.81B	\$4.94B	\$54.73B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.05B)	(\$0.93B)	(\$0.48B)	(\$0.01B)	\$1.46B
FVAL	Fidelity Value Factor ETF	(\$0.05B)	\$0.00B	\$0.06B	\$0.11B	\$0.41B
FQAL	Fidelity Quality Factor ETF	(\$0.05B)	(\$0.01B)	\$0.00B	\$0.01B	\$0.21B
FDLO	Fidelity Low Volatility Factor ETF	(\$0.05B)	\$0.00B	\$0.01B	\$0.02B	\$0.48B

* 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)
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.94%	28.74%	0.82%	6.33%	54.00
XLP	Consumer Staples Select Sector SPDR Fund	-1.49%	15.45%	0.52%	4.55%	47.91
SPY	SPDR S&P 500 ETF Trust	-1.71%	37.69%	0.81%	8.97%	47.14
XLK	Technology Select Sector SPDR Fund	-1.92%	41.29%	1.39%	11.89%	50.15
XLC	Communication Services Select Sector SPDR Fund	-2.08%	45.90%	1.48%	10.94%	51.41
XLU	Utilities Select Sector SPDR Fund	-2.31%	18.49%	1.80%	6.18%	49.51
XLV	Health Care Select Sector SPDR Fund	-2.67%	31.36%	0.42%	9.33%	42.83
XLI	Industrial Select Sector SPDR Fund	-3.38%	36.18%	-1.44%	4.20%	39.57
XLF	Financial Select Sector SPDR Fund	-3.64%	61.63%	0.59%	8.66%	45.20
XLRE	Real Estate Select Sector SPDR Fund	-3.86%	37.88%	0.47%	12.90%	45.57
XLB	Materials Select Sector SPDR Fund	-5.27%	35.70%	0.35%	4.96%	45.06
XLE	Energy Select Sector SPDR Fund	-14.95%	72.46%	-2.95%	-0.79%	44.85

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FTXL	First Trust Nasdaq Semiconductor ETF	0.98%
XME	SPDR S&P Metals & Mining ETF	0.95%
SOXX	iShares Semiconductor ETF	0.79%
PSI	Invesco Dynamic Semiconductors ETF	0.69%
SOXQ	Invesco PHLX Semiconductor ETF	0.60%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.55%
PSJ	Invesco Dynamic Software ETF	0.40%
XSD	SPDR S&P Semiconductor ETF	0.38%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.36%
PSCI	Invesco S&P SmallCap Industrials ETF	0.15%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XSD	SPDR S&P Semiconductor ETF	61.51
IHI	iShares U.S. Medical Devices ETF	61.49
FTXL	First Trust Nasdaq Semiconductor ETF	60.20
PSI	Invesco Dynamic Semiconductors ETF	59.44
FXH	First Trust Health Care AlphaDEX Fund	58.60
SOXX	iShares Semiconductor ETF	58.10
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	58.02
SOXQ	Invesco PHLX Semiconductor ETF	57.15
PTH	Invesco DWA Healthcare Momentum ETF	56.95
XHE	SPDR S&P Health Care Equipment ETF	55.90

Sector & Industry 1 Day Performance Laggards

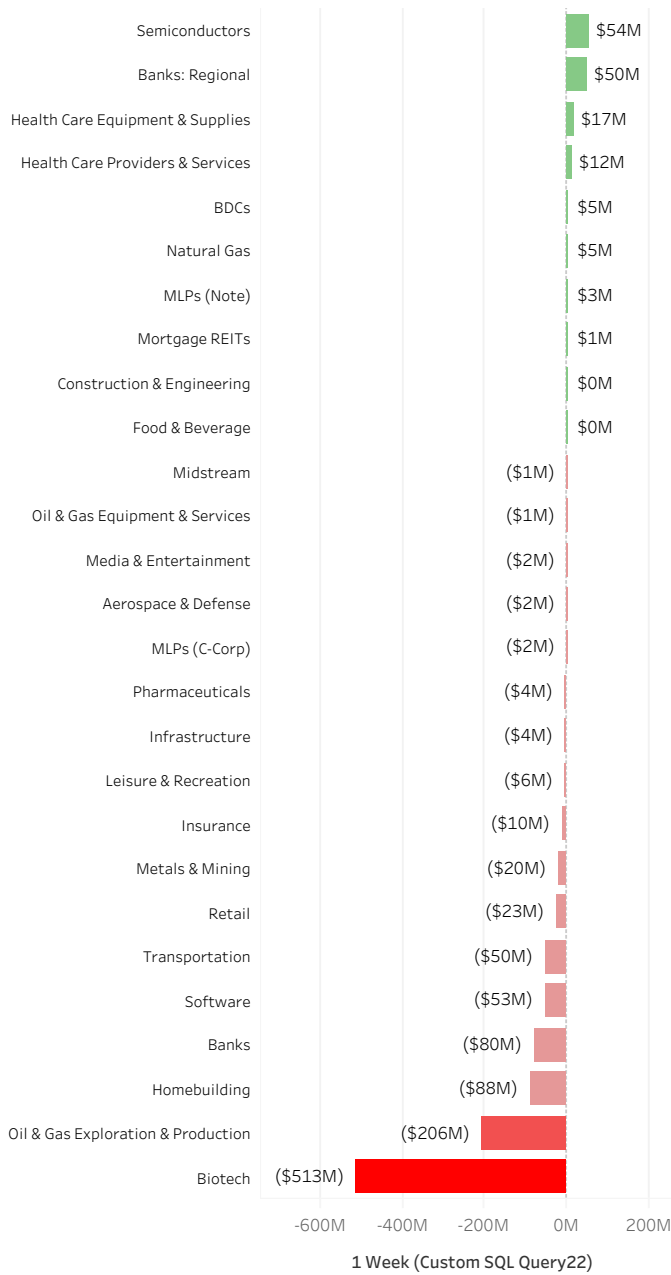
Ticker	Fund	1 Day Performance
ROOF	IQ US Real Estate Small Cap ETF	-2.13%
NETL	NETLease Corporate Real Estate ETF	-2.12%
IHF	iShares U.S. Healthcare Providers ETF	-2.05%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.92%
AMZA	InfraCap MLP ETF	-1.73%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-1.62%
IGN	iShares North American Tech-Multimedia Networking ..	-1.58%
PPTY	US Diversified Real Estate ETF	-1.57%
FXU	First Trust Utilities AlphaDEX Fund	-1.51%
AIRR	First Trust RBA American Industrial Renaissance ETF	-1.49%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XAR	SPDR S&P Aerospace & Defense ETF	34.35
PJP	Invesco Dynamic Pharmaceuticals ETF	35.70
NETL	NETLease Corporate Real Estate ETF	36.66
ITA	iShares U.S. Aerospace & Defense ETF	36.85
IGN	iShares North American Tech-Multimedia Networking ETF	37.24
IYT	iShares US Transportation ETF	37.90
FTXR	First Trust Nasdaq Transportation ETF	38.10
QABA	First Trust NASDAQ ABA Community Bank Index Fund	38.84
PPA	Invesco Aerospace & Defense ETF	38.88
XPH	SPDR S&P Pharmaceuticals ETF	39.02

* 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	9	\$22B	\$8M	\$1,780M	\$1,625M	\$2,237M
Consumer Discretionary	13	\$34B	(\$32M)	(\$474M)	\$177M	\$2,943M
Consumer Staples	12	\$22B	\$6M	\$787M	\$1,288M	(\$2,944M)
Energy	34	\$46B	(\$95M)	(\$2,695M)	\$593M	\$9,796M
Financials	28	\$77B	(\$1,519M)	(\$4,059M)	\$4,398M	\$20,502M
Health Care	25	\$94B	(\$47M)	\$4,778M	\$5,206M	\$3,952M
Industrial	14	\$35B	(\$725M)	(\$3,439M)	(\$2,191M)	\$4,521M
Materials	10	\$16B	(\$471M)	(\$2,504M)	\$1,971M	\$6,031M
Multi-Sector	16	\$25B	(\$130M)	\$251M	\$1,994M	\$3,789M
Real Estate	21	\$76B	\$999M	\$3,798M	\$8,631M	\$12,527M
Technology	24	\$143B	(\$553M)	\$3,290M	\$2,349M	\$995M
Utilities	10	\$21B	(\$251M)	\$1,777M	\$622M	\$331M

U.S. Sector & Industry Flow Leaders

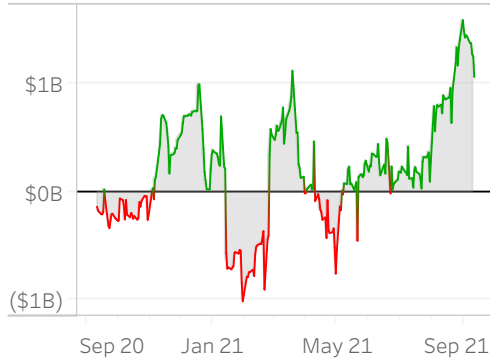
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYR	iShares U.S. Real Estate ETF	\$920M	\$846M	\$2,383M	\$2,838M	\$7,625M
XLV	Health Care Select Sector SPDR Fund	\$334M	\$3,697M	\$5,123M	\$3,386M	\$33,781M
XLE	Energy Select Sector SPDR Fund	\$136M	(\$765M)	\$374M	\$7,727M	\$21,846M
VNQ	Vanguard Real Estate ETF	\$57M	\$1,062M	\$2,827M	\$5,721M	\$44,930M
VGT	Vanguard Information Technology ETF	\$54M	\$1,230M	\$1,553M	\$1,130M	\$51,113M
KRE	SPDR S&P Regional Banking ETF	\$53M	(\$594M)	\$390M	\$2,445M	\$4,380M
SOXX	iShares Semiconductor ETF	\$47M	\$372M	\$389M	\$1,615M	\$7,417M
VHT	Vanguard Health Care ETF	\$40M	\$897M	\$975M	\$1,875M	\$16,855M
IYW	iShares U.S. Technology ETF	\$33M	\$801M	\$577M	\$375M	\$9,036M
FHLC	Fidelity MSCI Health Care Index ETF	\$27M	\$137M	\$104M	\$327M	\$2,995M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,508M)	(\$3,407M)	\$233M	\$11,289M	\$41,062M
XLI	Industrial Select Sector SPDR Fund	(\$638M)	(\$2,383M)	(\$2,291M)	\$1,779M	\$17,911M
XLK	Technology Select Sector SPDR Fund	(\$637M)	\$510M	\$349M	(\$1,651M)	\$45,582M
XBI	SPDR S&P BIOTECH ETF	(\$442M)	(\$1M)	\$453M	\$607M	\$7,216M
XLB	Materials Select Sector SPDR Fund	(\$439M)	(\$1,896M)	\$727M	\$2,685M	\$7,931M
XLU	Utilities Select Sector SPDR Fund	(\$260M)	\$1,610M	\$322M	\$12M	\$13,657M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$206M)	(\$1,064M)	(\$797M)	(\$563M)	\$2,767M
KBWB	Invesco KBW Bank ETF	(\$92M)	\$290M	\$696M	\$1,234M	\$2,826M
XHB	SPDR S&P Homebuilders ETF	(\$77M)	(\$198M)	(\$45M)	(\$115M)	\$1,787M
IBB	iShares Biotechnology ETF	(\$70M)	(\$543M)	(\$401M)	(\$513M)	\$11,297M

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

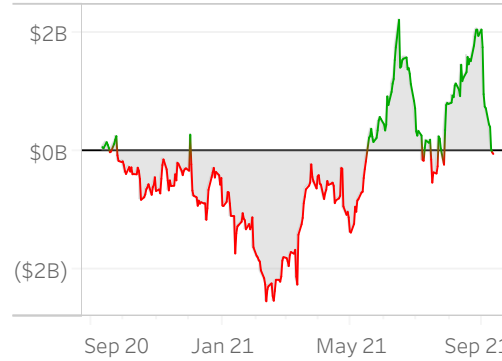
Communication Services



Consumer Discretionary



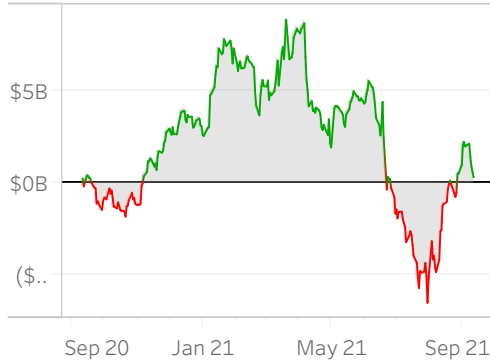
Consumer Staples



Energy



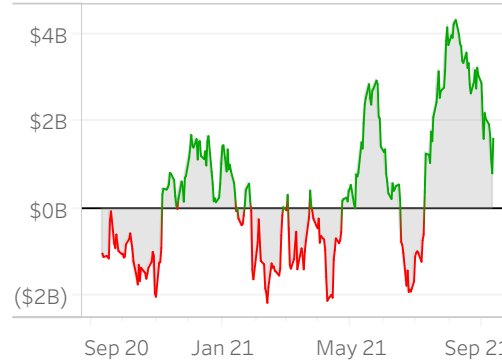
Financials



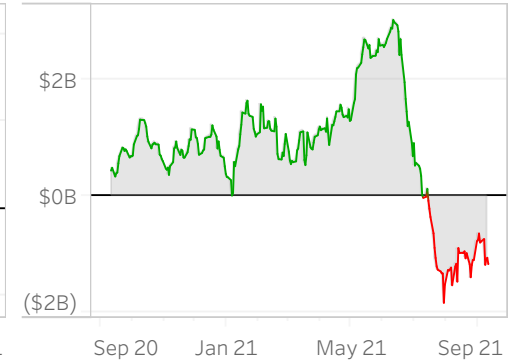
Industrial



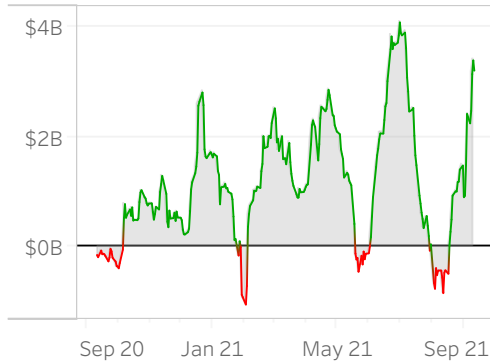
Health Care



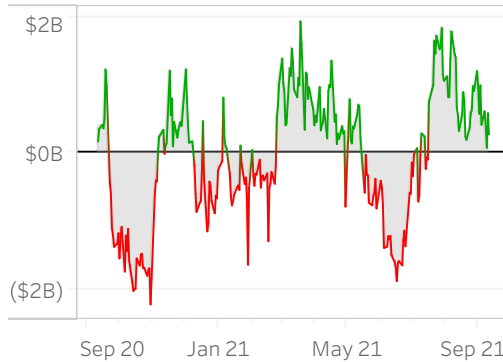
Materials



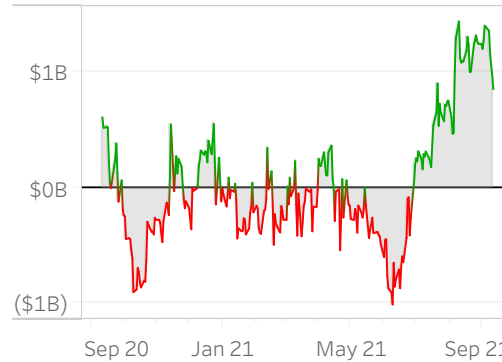
Real Estate



Technology



Utilities

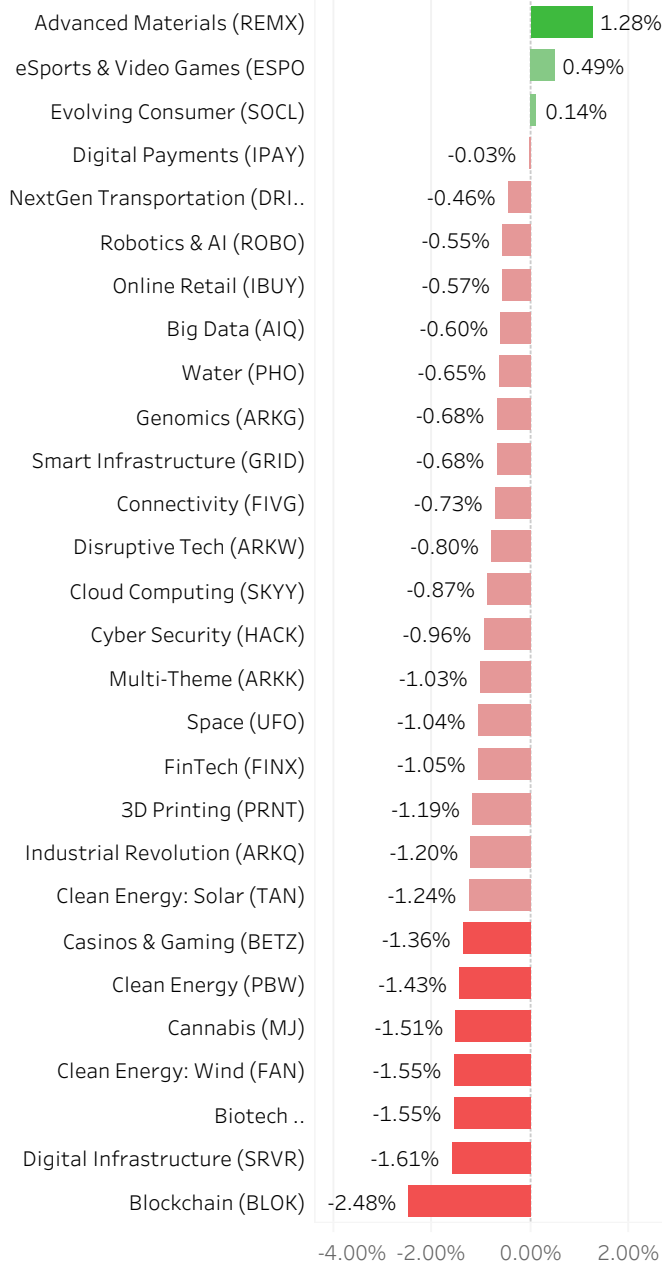


Multi-Sector

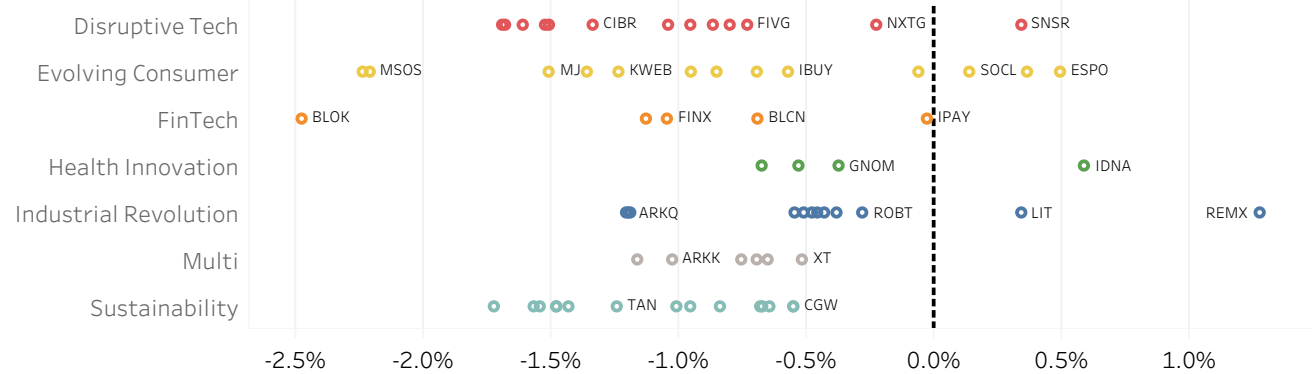


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	1.63%
KSTR	KraneShares SSE STAR Market 50 Index ETF	1.49%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.28%
LOUP	Innovator Loup Frontier Tech ETF	1.19%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	0.59%
ESPO	VanEck Video Gaming and eSports ETF	0.49%
HERO	Global X Video Games & Esports ETF	0.36%
SNSR	Global X Internet of Things ETF	0.34%
LIT	Global X Lithium & Battery Tech ETF	0.34%
SOCL	Global X Social Media ETF	0.14%

Thematic Most Overbought

Ticker	Fund	Value
BOTZ	Global X Robotics & Artificial Intelligence ETF	68.36
KLDW	Knowledge Leaders Developed World ETF	67.74
ROBO	ROBO Global Robotics & Automation Index ETF	63.58
QTUM	Defiance Quantum ETF	63.54
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	62.59
REMX	VanEck Rare Earth/Strategic Metals ETF	60.85
IVES	Wedbush ETFMG Global Cloud Technology ETF	60.57
LOUP	Innovator Loup Frontier Tech ETF	60.25
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	59.30
SNSR	Global X Internet of Things ETF	59.11

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
DAPP	VanEck Digital Transformation ETF	-4.78%
BITQ	Bitwise Crypto Industry Innovators ETF	-4.38%
BLOK	Amplify Transformational Data Sharing ETF	-2.48%
YOLO	AdvisorShares Pure Cannabis ETF	-2.24%
MSOS	AdvisorShares Pure US Cannabis ETF	-2.21%
POTX	Global X Cannabis ETF	-2.13%
CNBS	Amplify Seymour Cannabis ETF	-2.07%
CNRG	SPDR S&P Kensho Clean Power ETF	-1.73%
BUG	Global X Cybersecurity ETF	-1.69%
WCLD	WisdomTree Cloud Computing Fund	-1.68%

Thematic Most Oversold

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	25.46
YOLO	AdvisorShares Pure Cannabis ETF	29.65
CNBS	Amplify Seymour Cannabis ETF	32.11
POTX	Global X Cannabis ETF	33.26
MJ	ETFMG Alternative Harvest ETF	33.36
THCX	Cannabis ETF	35.82
AGNG	Global X Aging Population ETF	36.35
KSTR	KraneShares SSE STAR Market 50 Index ETF	39.75
ACES	ALPS Clean Energy ETF	40.22
ICLN	iShares Global Clean Energy ETF	40.78

* 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	Flow
KWEB	KraneShares CSI China Internet ETF	\$372M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$50M
LIT	Global X Lithium & Battery Tech ETF	\$35M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$27M
BUG	Global X Cybersecurity ETF	\$26M
FIW	First Trust Water ETF	\$23M
PHO	Invesco Water Resources ETF	\$18M
SKYY	First Trust Cloud Computing ETF	\$17M
META	Roundhill Ball Metaverse ETF	\$13M
BKCH	Global X Blockchain ETF	\$13M

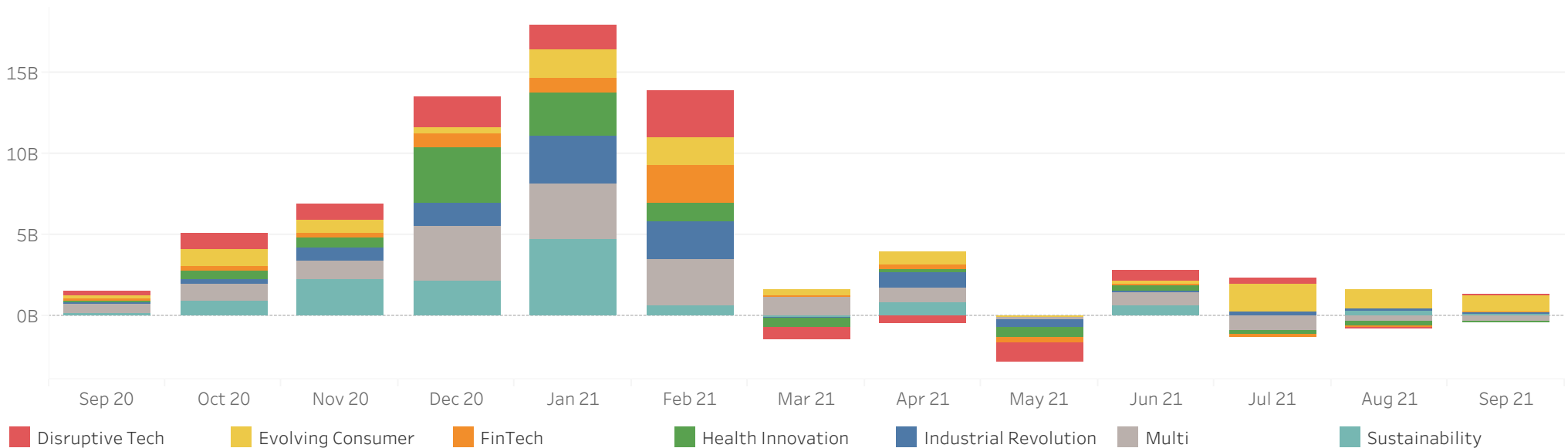
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$413M)
ARKW	ARK Next Generation Internet ETF	(\$91M)
IBUY	Amplify Online Retail ETF	(\$57M)
ARKG	ARK Genomic Revolution ETF	(\$46M)
ARKF	ARK Fintech Innovation ETF	(\$8M)
EDOC	Global X Telemedicine & Digital Health ETF	(\$6M)
HERO	Global X Video Games & Esports ETF	(\$5M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$4M)
ESPO	VanEck Video Gaming and eSports ETF	(\$4M)
QLCN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$3M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$30B	(\$14M)	\$903M	(\$653M)	\$7,190M
Evolving Consumer	38	\$18B	\$324M	\$3,943M	\$5,162M	\$11,103M
FinTech	12	\$8B	\$22M	(\$109M)	\$234M	\$4,889M
Health Innovation	14	\$10B	(\$44M)	(\$254M)	(\$582M)	\$7,424M
Industrial Revolution	22	\$18B	\$90M	\$628M	\$1,280M	\$8,572M
Multi	27	\$31B	(\$365M)	(\$499M)	(\$528M)	\$13,403M
Sustainability	31	\$23B	\$67M	\$1,079M	\$2,181M	\$13,023M
Grand Total	173	\$137B	\$78M	\$5,691M	\$7,094M	\$65,604M

Thematic Monthly Flows

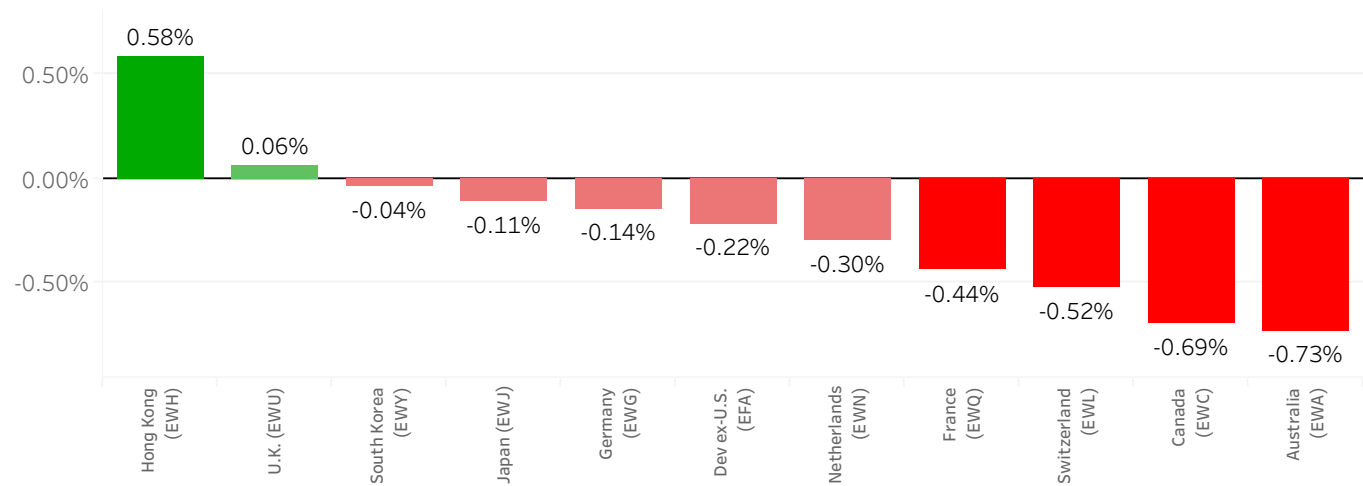


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

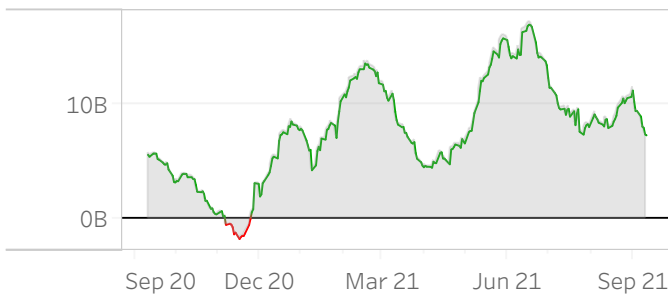
Developed ex-U.S. (EFA)



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



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



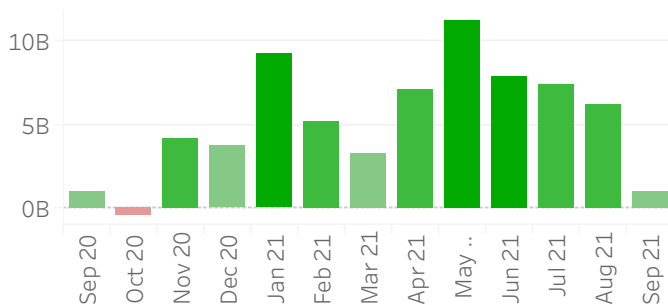
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	1.03%
EWH	iShares MSCI Hong Kong ETF	0.58%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.48%
FKU	First Trust United Kingdom AlphaDEX Fund	0.43%
PIZ	Invesco DWA Developed Markets Momentum ETF	0.34%
HEWG	iShares Currency Hedged MSCI Germany ETF	0.33%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.32%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	0.22%
SCJ	iShares MSCI Japan Small-Cap ETF	0.20%
DXJ	WisdomTree Japan Hedged Equity Fund	0.19%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
SCJ	iShares MSCI Japan Small-Cap ETF	79.07
DFJ	WisdomTree Japan SmallCap Dividend Fund	77.88
JPXN	iShares JPX-Nikkei 400 ETF	77.74
HEWJ	iShares Currency Hedged MSCI Japan ETF	76.30
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	76.00
FLJP	Franklin FTSE Japan ETF	75.72
BBJP	JPMorgan BetaBuilders Japan ETF	75.12
EWJ	iShares MSCI Japan ETF	74.92
DXJ	WisdomTree Japan Hedged Equity Fund	74.06
IPAC	iShares Core MSCI Pacific ETF	69.96

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	-1.33%
EWI	iShares MSCI Italy ETF	-1.10%
ISRA	VanEck Israel ETF	-1.09%
EWO	iShares MSCI Austria ETF	-0.90%
WPS	iShares International Developed Property ETF	-0.83%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.75%
EWA	iShares MSCI Australia ETF	-0.73%
EIS	iShares MSCI Israel ETF	-0.70%
EWC	iShares MSCI Canada ETF	-0.69%
TOK	iShares MSCI Kokusai ETF	-0.68%

Developed ex-U.S. Most Oversold

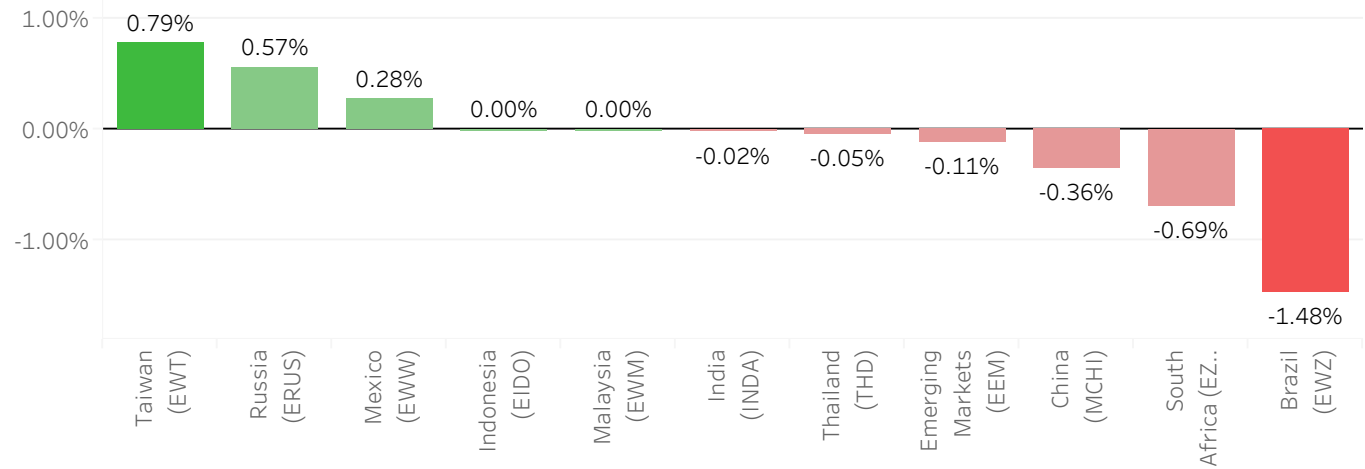
Ticker	Fund	Price
LVHI	Legg Mason International Low Volatility High Divide..	32.62
FDD	First Trust Stoxx European Select Dividend Index Fu..	32.97
EWL	iShares MSCI Switzerland ETF	33.24
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	35.91
EWP	iShares MSCI Spain ETF	36.49
FLKR	Franklin FTSE South Korea ETF	37.36
EWY	iShares MSCI South Korea ETF	38.24
EWI	iShares MSCI Italy ETF	38.77
IDV	iShares International Select Dividend ETF	39.76
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	40.05

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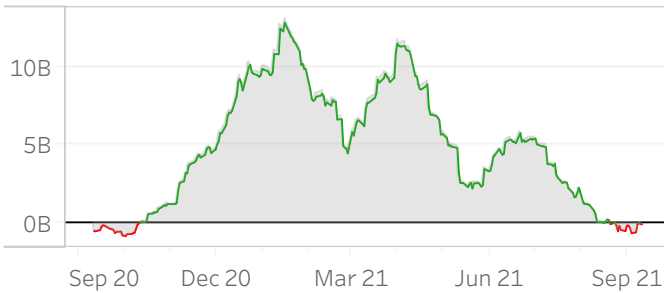
Emerging (EEM)



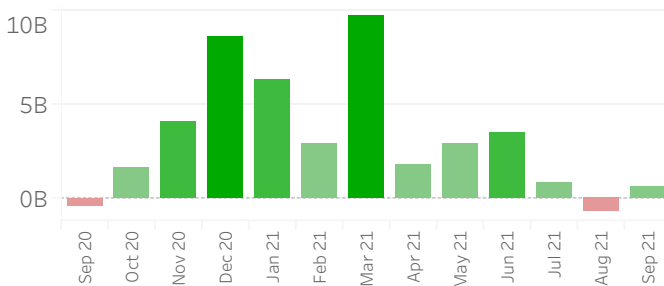
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	1.95%
EPU	iShares MSCI Peru ETF	1.37%
KBA	KraneShares Boserá MSCI China A Share ETF	1.01%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.00%
EWT	iShares MSCI Taiwan ETF	0.79%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	0.68%
CNYA	iShares MSCI China A ETF	0.62%
ERUS	iShares MSCI Russia ETF	0.57%
FRDM	Freedom 100 Emerging Markets ETF	0.44%
EPOL	iShares MSCI Poland ETF	0.35%

Emerging Most Overbought

Ticker	Fund	Value
INDA	iShares MSCI India ETF	73.04
PIN	Invesco India ETF	71.08
INDY	iShares India 50 ETF	69.45
EPI	WisdomTree India Earnings Fund	68.68
EPHE	iShares MSCI Philippines ETF	68.67
SMIN	iShares MSCI India Small Cap ETF	67.34
GLIN	VanEck India Growth Leaders ETF	66.77
NFTY	First Trust India NIFTY 50 Equal Weight ETF	66.25
EELV	Invesco S&P Emerging Markets Low Volatility ETF	64.80
FEM	First Trust Emerging Markets AlphaDEX Fund	64.73

Emerging 1-Day Performance Laggards

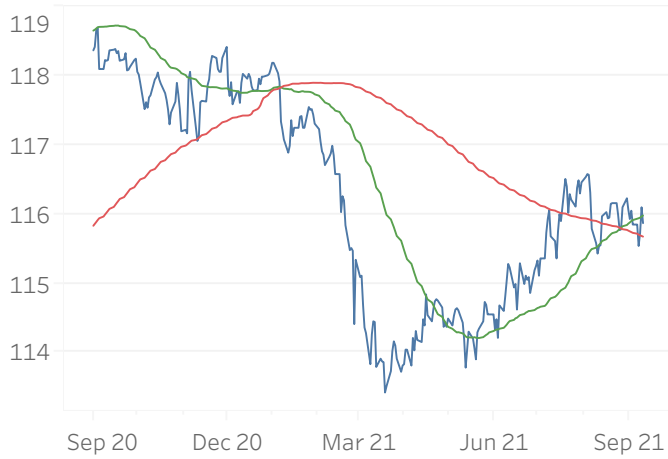
Ticker	Fund	Performance
FLBR	Franklin FTSE Brazil ETF	-1.77%
EWZ	iShares MSCI Brazil ETF	-1.48%
PGJ	Invesco Golden Dragon China ETF	-1.16%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.04%
TUR	iShares MSCI Turkey ETF	-0.83%
EZA	iShares MSCI South Africa ETF	-0.69%
NUEM	Nuveen ESG Emerging Markets Equity ETF	-0.60%
FNI	First Trust Chindia ETF	-0.57%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.41%
MCHI	iShares MSCI China ETF	-0.36%

Emerging Most Oversold

Ticker	Fund	Value
ILF	iShares Latin America 40 ETF	38.89
FLBR	Franklin FTSE Brazil ETF	39.00
EWZ	iShares MSCI Brazil ETF	39.51
EWZS	iShares MSCI Brazil Small-Cap ETF	42.26
AFK	VanEck Africa Index ETF	42.40
BICK	First Trust BICK Index Fund	44.83
EZA	iShares MSCI South Africa ETF	44.95
TUR	iShares MSCI Turkey ETF	45.08
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	47.71
NUEM	Nuveen ESG Emerging Markets Equity ETF	49.43

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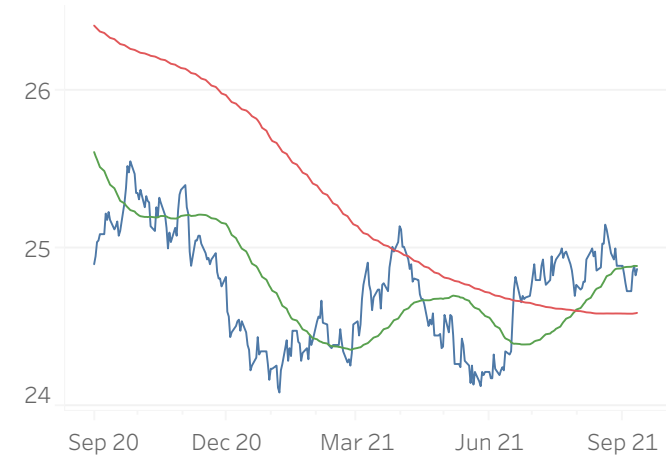
Fixed Income (AGG)



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	-0.20%	0.53%	-0.78%
SHY	1-3 Year Treasury Bonds	-0.03%	0.08%	-0.04%
IEF	7-10 Year Treasury Bonds	-0.32%	0.29%	-2.10%
TLT	20+ Year Treasury Bonds	-0.88%	1.38%	-4.93%
TIP	TIPS Bonds	-0.28%	0.91%	4.37%
FLOT	Floating Rate Bonds	0.02%	0.05%	0.42%
LQD	Investment Grade Corporate	-0.29%	1.29%	-0.57%
HYG	High Yield Corporate	-0.15%	1.29%	3.35%
BKLN	Senior Loan	-0.05%	0.97%	1.69%
PFF	Preferred & Income Securities	-0.20%	1.05%	5.38%
MUB	Municipal Bonds	-0.06%	-0.29%	0.94%
MBB	MBS	-0.05%	0.32%	-0.40%
EMB	Dollar Denominated EM Bonds	-0.32%	1.50%	-0.11%
LEMB	Local Currency EM Bond	-0.18%	1.31%	-4.07%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.94%	3.01%	28.08%
DBE	Energy	1.87%	2.86%	45.94%
USO	WTI Crude Oil	2.20%	2.35%	47.83%
BNO	Brent Crude Oil	2.15%	3.43%	47.59%
UNG	Natural Gas	-0.80%	20.57%	88.59%
UGA	Gasoline	2.11%	0.57%	51.17%
DBP	Precious Metals	-0.58%	3.03%	-8.11%
GLD	Gold	-0.51%	3.34%	-6.27%
SLV	Silver	-1.26%	1.71%	-10.50%
PPLT	Platinum	-2.00%	-3.76%	-11.20%
PALL	Palladium	-2.39%	-19.49%	-13.53%
DBB	Base Metals	1.89%	5.06%	25.14%
CPER	Copper	3.59%	1.61%	24.70%
LD	Lead	0.41%	0.39%	15.82%
JJN	Nickel	0.69%	7.07%	20.36%
JJU	Aluminum	2.55%	12.62%	44.23%
JJT	Tin	1.50%	-4.09%	85.34%
DBA	Agriculture	-0.43%	-2.36%	15.18%
CORN	Corn	1.09%	-5.53%	24.97%
SOYB	Soybeans	1.08%	-2.59%	14.89%
WEAT	Wheat	-0.30%	-6.68%	8.40%
CANE	Sugar	-1.27%	1.85%	38.52%
BAL	Cotton	0.30%	0.92%	14.26%
NIB	Cocoa	-2.40%	3.35%	-1.09%
JO	Coffee	-0.04%	1.56%	37.90%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.16%	-0.52%	2.60%
UDN	Short Dollar	-0.05%	0.53%	-3.49%
FXE	Euro	-0.13%	0.68%	-4.01%
FXB	British Pound Sterling	-0.04%	-0.05%	0.88%
FXF	Swiss Franc	-0.19%	0.37%	-4.44%
FXJ	Japanese Yen	-0.21%	0.58%	-6.45%
FXC	Canadian Dollar	-0.18%	-1.25%	0.05%
FXA	Australian Dollar	-0.25%	-0.03%	-4.97%

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