

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

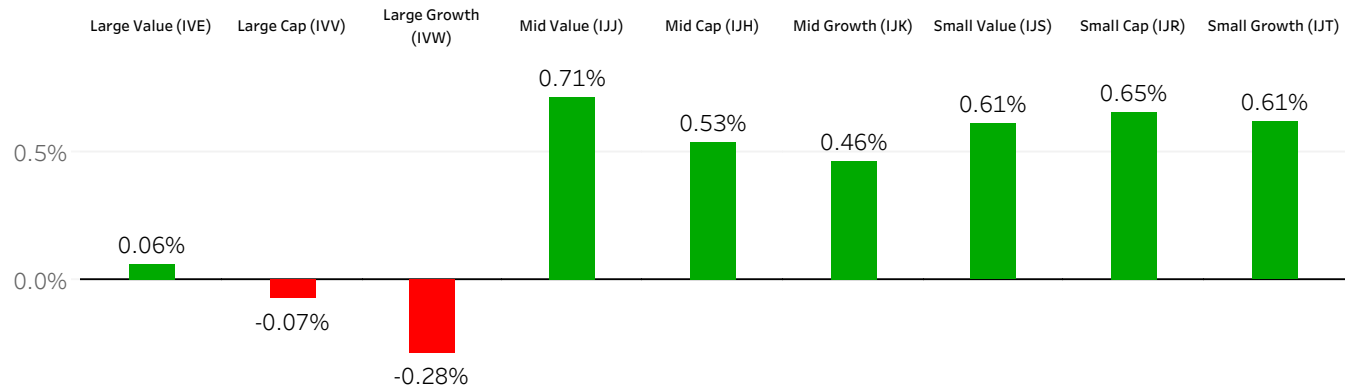


Small Cap Blend (S&P 600) IJR



■ 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
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.09%
SVAL	iShares US Small Cap Value Factor ETF	1.61%
AVUV	Avantis U.S. Small Cap Value ETF	1.45%
SYLD	Cambria Shareholder Yield ETF	1.18%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.13%
DUSA	Davis Select U.S. Equity ETF	1.11%
QVAL	Alpha Architect U.S. Quantitative Value ETF	1.10%
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	1.04%
DFAT	Dimensional U.S. Targeted Value ETF	1.01%
XMHQ	Invesco S&P MidCap Quality ETF	0.97%

Size & Style Most Overbought

Ticker	Fund	Value
DHS	WisdomTree U.S. High Dividend Fund	74.86
FDL	First Trust Morningstar Dividend Leaders Index Fund	74.16
PEY	Invesco High Yield Equity Dividend Achievers ETF	73.53
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	72.42
RDIV	Invesco S&P Ultra Dividend Revenue ETF	71.95
DVY	iShares Select Dividend ETF	70.91
HDV	iShares Core High Dividend ETF	70.33
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	70.31
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	70.17
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	69.77

Size & Style 1-Day Performance Laggards

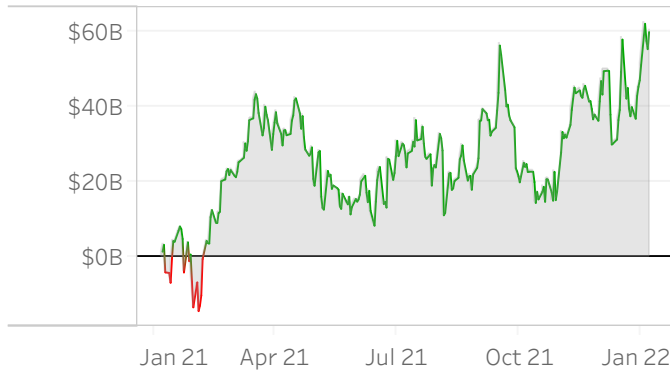
Ticker	Fund	1-Day Performance
CSML	IQ Chaikin U.S. Small Cap ETF	-1.81%
XOUT	GraniteShares XOUT US Large Cap ETF	-1.60%
ACSI	American Customer Satisfaction ETF	-0.94%
BKLC	BNY Mellon US Large Cap Core Equity ETF	-0.82%
LCG	Sterling Capital Focus Equity ETF	-0.72%
VSDA	VictoryShares Dividend Accelerator ETF	-0.71%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-0.60%
AQGX	AI Quality Growth ETF	-0.59%
DMRL	DeltaShares S&P 500 Managed Risk ETF	-0.54%
TMFC	Motley Fool 100 Index ETF	-0.54%

Size & Style Most Oversold

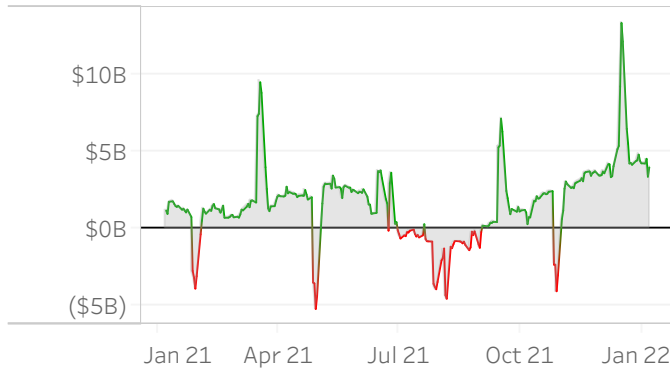
Ticker	Fund	Value
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy..	21.14
NUMG	Nuveen ESG Mid-Cap Growth ETF	28.03
TTAC	FCF US Quality ETF	29.56
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovati..	29.69
IPO	Renaissance IPO ETF	30.53
BIBL	Inspire 100 ETF	31.75
AIEQ	AI Powered Equity ETF	31.98
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight E..	32.21
MMLG	First Trust Multi-Manager Large Growth ETF	32.50
LCG	Sterling Capital Focus Equity ETF	32.58

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

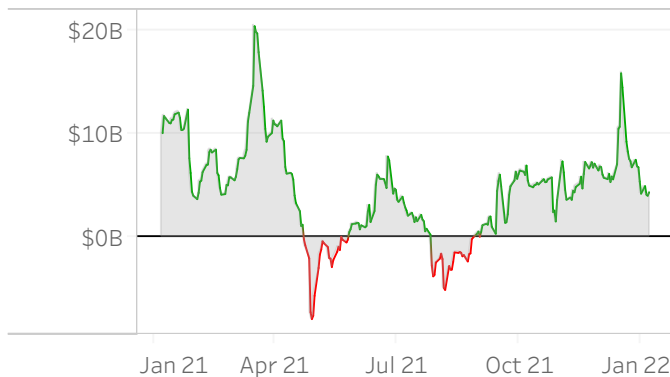
Large-Cap 30-Day Rolling Flows



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	\$1,405B	\$1.60B	\$71.44B	\$99.76B	\$152.34B
Large Cap, Beta Growth, Beta: Value	11	\$219B	\$0.54B	\$6.72B	\$10.79B	\$30.52B
Large Cap, Beta Growth, Beta: Growth	10	\$272B	\$0.51B	\$5.20B	\$10.88B	\$10.19B
Mid Cap, Beta, Beta	10	\$196B	\$0.49B	\$6.68B	\$7.33B	\$12.98B
Small Cap, Beta, Beta	12	\$225B	\$0.19B	\$7.72B	\$12.17B	\$19.72B
Small Cap, Beta, Beta: Value	7	\$59B	\$0.10B	\$0.49B	(\$0.05B)	\$6.58B
Mid Cap, Beta, Beta: Growth	6	\$40B	\$0.03B	\$1.03B	\$1.01B	(\$1.14B)
Mid Cap, Beta, Beta: Value	6	\$43B	(\$0.18B)	\$0.44B	\$0.63B	\$3.39B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.22B)	\$0.75B	\$1.05B	\$1.10B

U.S. Size & Style Flow Leaders

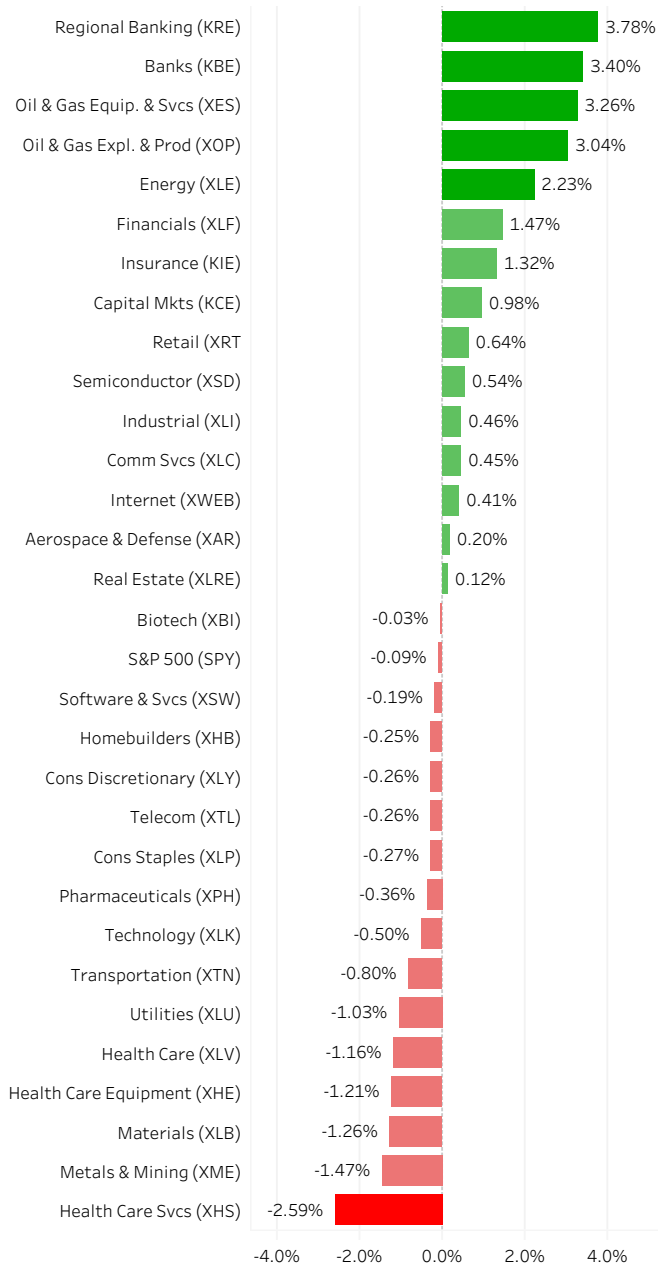
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.51B	\$32.88B	\$38.06B	\$36.55B	\$450.57B
IVV	iShares Core S&P 500 ETF	\$1.20B	\$17.56B	\$17.37B	\$29.71B	\$331.35B
VTI	Vanguard Total Stock Market ETF	\$0.74B	\$12.89B	\$24.28B	\$44.49B	\$294.38B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.64B	\$0.51B	(\$0.92B)	\$1.93B	\$31.10B
VTV	Vanguard Value ETF	\$0.53B	\$3.09B	\$5.60B	\$15.60B	\$94.13B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.53B	\$1.15B	\$0.80B	(\$0.05B)	\$9.46B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.38B	\$1.23B	\$1.63B	\$7.83B	\$32.20B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.33B	\$2.13B	\$5.40B	\$8.36B	\$25.57B
SCHD	Schwab US Dividend Equity ETF	\$0.31B	\$1.24B	\$3.49B	\$10.09B	\$31.76B
IJR	iShares Core S&P Small Cap ETF	\$0.28B	\$3.93B	\$3.37B	\$5.67B	\$75.29B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$1.10B)	\$4.24B	\$17.76B	\$45.66B	\$274.95B
QQQ	Invesco QQQ Trust	(\$0.44B)	\$11.84B	\$17.05B	\$24.15B	\$208.35B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.42B)	(\$0.42B)	(\$0.40B)	(\$0.32B)	\$3.64B
IWM	iShares Russell 2000 ETF	(\$0.40B)	\$0.33B	\$2.02B	\$0.06B	\$67.12B
IWD	iShares Russell 1000 Value ETF	(\$0.38B)	\$2.32B	\$2.63B	\$5.32B	\$59.79B
PDP	Invesco DWA Momentum ETF	(\$0.34B)	(\$0.01B)	(\$0.01B)	(\$0.26B)	\$1.76B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.28B)	(\$0.18B)	\$1.38B	(\$1.31B)	\$24.44B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.23B)	(\$0.60B)	(\$0.33B)	\$1.08B	\$8.77B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.20B)	(\$0.21B)	\$0.04B	\$0.23B	\$4.03B
VIG	Vanguard Dividend Appreciation ETF	(\$0.12B)	\$2.01B	\$3.37B	\$4.51B	\$69.18B

* 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)
XLE	Energy Select Sector SPDR Fund	0.00%	53.89%	6.92%	14.52%	70.15
XLF	Financial Select Sector SPDR Fund	0.00%	40.55%	3.34%	7.54%	63.40
XLP	Consumer Staples Select Sector SPDR Fund	-0.36%	22.18%	4.84%	8.30%	68.61
XLI	Industrial Select Sector SPDR Fund	-0.56%	25.66%	1.62%	3.29%	57.79
XLB	Materials Select Sector SPDR Fund	-1.36%	26.53%	1.54%	5.47%	53.79
SPY	SPDR S&P 500 ETF Trust	-2.05%	26.45%	0.28%	6.29%	48.64
XLU	Utilities Select Sector SPDR Fund	-2.37%	19.74%	2.06%	4.78%	51.46
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.05%	30.18%	-0.78%	9.29%	49.11
XLRE	Real Estate Select Sector SPDR Fund	-4.40%	36.00%	0.86%	7.78%	46.46
XLV	Health Care Select Sector SPDR Fund	-4.56%	21.88%	0.04%	4.33%	42.08
XLK	Technology Select Sector SPDR Fund	-5.20%	33.09%	-1.14%	9.04%	43.11
XLC	Communication Services Select Sector SPDR Fund	-11.18%	14.28%	-2.34%	-4.31%	42.61

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IAT	iShares U.S. Regional Banks ETF	4.09%
KRE	SPDR S&P Regional Banking ETF	3.78%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.55%
FTXO	First Trust Nasdaq Bank ETF	3.50%
KBE	SPDR S&P Bank ETF	3.40%
PXI	Invesco DWA Energy Momentum ETF	3.34%
KBWR	Invesco KBW Regional Banking ETF	3.31%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	3.26%
QABA	First Trust NASDAQ ABA Community Bank Index F..	3.19%
KBWB	Invesco KBW Bank ETF	3.16%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXG	First Trust Consumer Staples AlphaDEX Fund	74.43
IYK	iShares U.S. Consumer Staples ETF	74.32
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	74.03
KBWR	Invesco KBW Regional Banking ETF	72.26
PBJ	Invesco Dynamic Food & Beverage ETF	71.87
DFRA	Donoghue Forlines Yield Enhanced Real Asset ETF	70.68
VDC	Vanguard Consumer Staples ETF	70.22
KBWY	Invesco KBW Premium Yield Equity REIT ETF	70.19
XLE	Energy Select Sector SPDR Fund	70.15
QABA	First Trust NASDAQ ABA Community Bank Index Fund	70.07

Sector & Industry 1 Day Performance Laggards

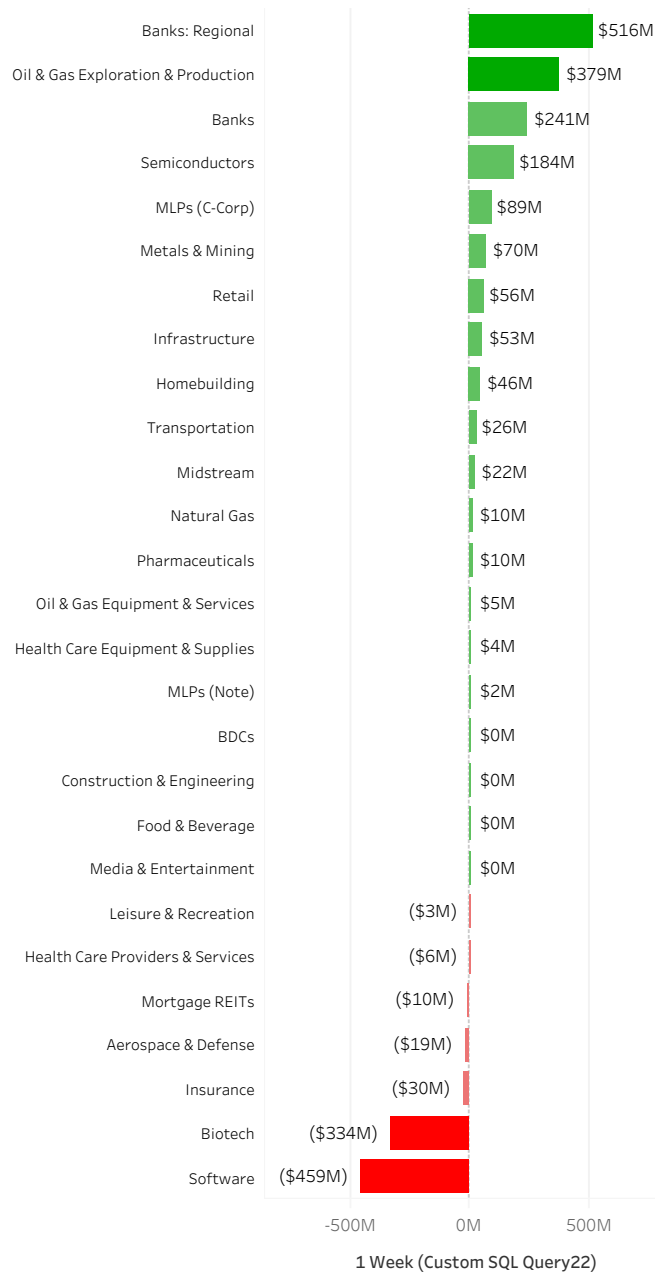
Ticker	Fund	1 Day Performance
IHF	iShares U.S. Healthcare Providers ETF	-3.65%
PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	-2.76%
XHS	SPDR S&P Health Care Services ETF	-2.59%
XME	SPDR S&P Metals & Mining ETF	-1.47%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.42%
XLB	Materials Select Sector SPDR Fund	-1.26%
VHT	Vanguard Health Care ETF	-1.26%
VAW	Vanguard Materials ETF	-1.24%
IYM	iShares U.S. Basic Materials ETF	-1.24%
XHE	SPDR S&P Health Care Equipment ETF	-1.21%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSJ	Invesco Dynamic Software ETF	27.83
IGV	iShares Expanded Tech-Software Sector ETF	29.44
IBB	iShares Biotechnology ETF	30.50
FDN	First Trust Dow Jones Internet Index Fund	31.61
PTH	Invesco DWA Healthcare Momentum ETF	33.02
PNQI	Invesco NASDAQ Internet ETF	33.27
FXH	First Trust Health Care AlphaDEX Fund	33.55
PBE	Invesco Dynamic Biotechnology & Genome ETF	34.23
XSW	SPDR S&P Software & Services ETF	34.50
XBI	SPDR S&P BIOTECH ETF	34.68

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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	9	\$19B	(\$340M)	(\$1,399M)	\$872M	\$930M
Consumer Discretionary	13	\$38B	(\$87M)	\$1,131M	\$502M	\$2,332M
Consumer Staples	12	\$23B	\$303M	\$1,160M	\$1,848M	(\$1,047M)
Energy	34	\$59B	\$1,370M	\$2,378M	\$2,563M	\$10,147M
Financials	28	\$87B	\$1,647M	\$3,591M	\$4,352M	\$19,198M
Health Care	26	\$91B	\$380M	\$4,776M	\$7,043M	\$5,641M
Industrial	14	\$36B	\$566M	(\$119M)	(\$2,770M)	\$212M
Materials	10	\$17B	\$565M	\$424M	(\$1,884M)	\$3,594M
Multi-Sector	19	\$26B	(\$169M)	\$1,579M	\$1,995M	\$4,648M
Real Estate	22	\$83B	\$1,194M	\$4,124M	\$7,444M	\$14,888M
Technology	24	\$154B	(\$380M)	\$4,068M	\$7,094M	\$6,013M
Utilities	10	\$21B	(\$288M)	(\$628M)	\$26M	(\$207M)

U.S. Sector & Industry Flow Leaders

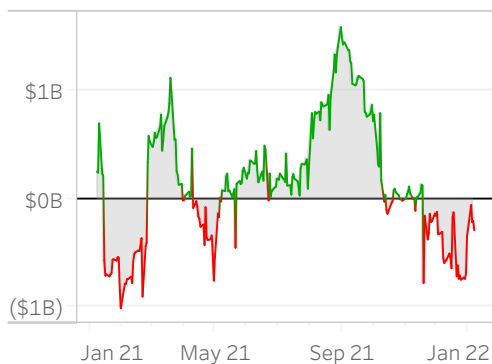
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$959M	\$2,954M	\$2,999M	\$9,238M	\$46,870M
XLV	Health Care Select Sector SPDR Fund	\$753M	\$3,503M	\$4,578M	\$4,763M	\$35,459M
XLE	Energy Select Sector SPDR Fund	\$678M	\$578M	\$1,170M	\$5,485M	\$28,875M
XLI	Industrial Select Sector SPDR Fund	\$592M	(\$290M)	(\$1,832M)	(\$1,484M)	\$18,118M
IYR	iShares U.S. Real Estate ETF	\$514M	(\$200M)	\$1,040M	\$1,812M	\$7,466M
KRE	SPDR S&P Regional Banking ETF	\$500M	\$137M	\$112M	\$2,425M	\$5,574M
XLB	Materials Select Sector SPDR Fund	\$456M	\$256M	(\$1,236M)	\$1,313M	\$8,625M
VNQ	Vanguard Real Estate ETF	\$383M	\$2,220M	\$2,400M	\$6,612M	\$48,352M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$369M	(\$203M)	\$134M	(\$60M)	\$4,047M
XLP	Consumer Staples Select Sector SPDR Fund	\$289M	\$772M	\$1,237M	(\$1,007M)	\$13,670M

U.S. Sector & Industry Flow Laggards

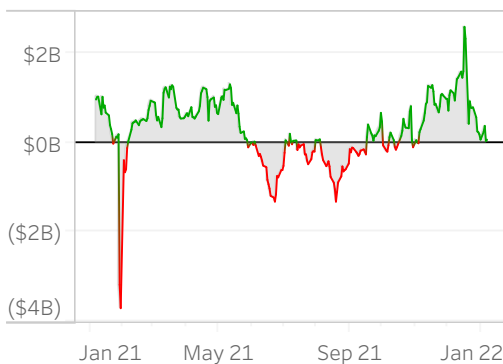
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$449M)	\$314M	\$545M	(\$800M)	\$5,155M
XLU	Utilities Select Sector SPDR Fund	(\$335M)	(\$809M)	(\$410M)	(\$715M)	\$12,480M
XBI	SPDR S&P BIOTECH ETF	(\$330M)	\$919M	\$898M	\$1,541M	\$6,364M
XLC	Communication Services Select Sector SPDR Fu..	(\$330M)	(\$1,262M)	\$509M	\$1,111M	\$13,656M
FDN	First Trust Dow Jones Internet Index Fund	(\$215M)	(\$274M)	(\$236M)	(\$1,901M)	\$9,150M
PTF	Invesco DWA Technology Momentum ETF	(\$126M)	\$40M	\$65M	(\$29M)	\$350M
FXO	First Trust Financials AlphaDEX Fund	(\$81M)	\$108M	\$129M	\$578M	\$1,551M
PJP	Invesco Dynamic Pharmaceuticals ETF	(\$79M)	(\$90M)	(\$11M)	(\$37M)	\$353M
VHT	Vanguard Health Care ETF	(\$71M)	\$345M	\$1,002M	\$1,707M	\$16,960M
FXL	First Trust Technology AlphaDEX Fund	(\$59M)	(\$911M)	(\$867M)	(\$1,112M)	\$1,823M

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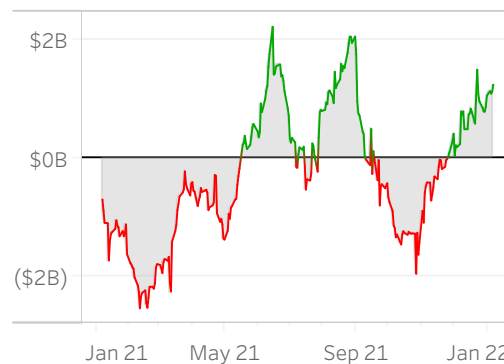
Communication Services



Consumer Discretionary



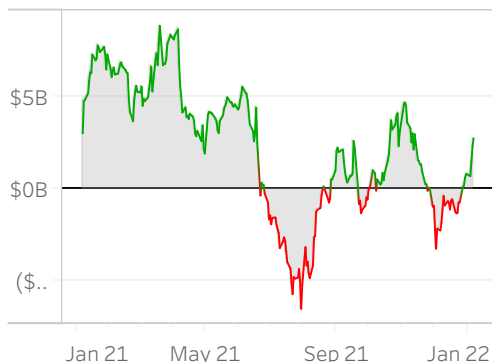
Consumer Staples



Energy



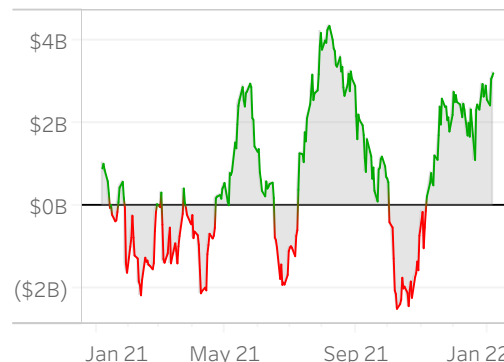
Financials



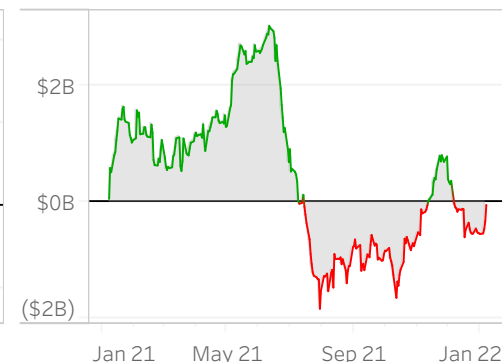
Industrial



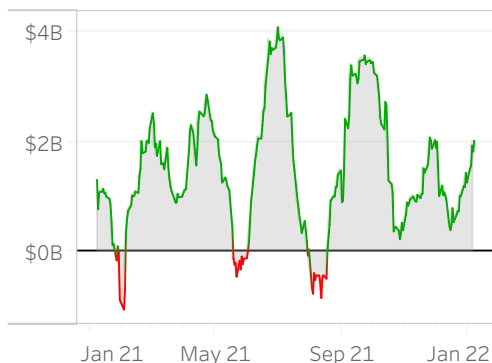
Health Care



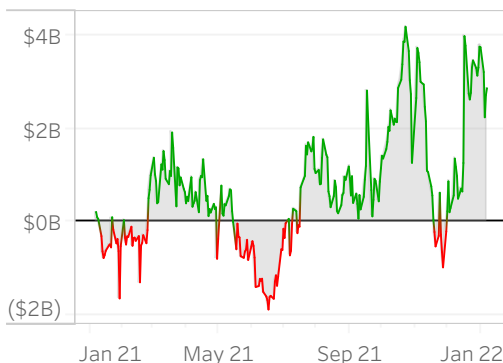
Materials



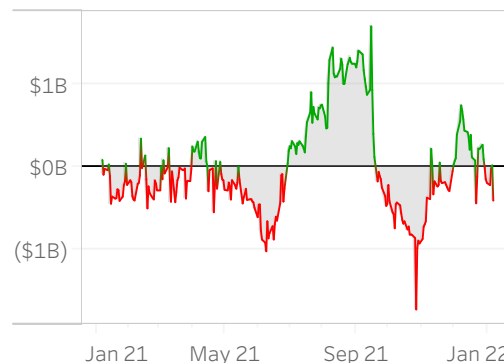
Real Estate



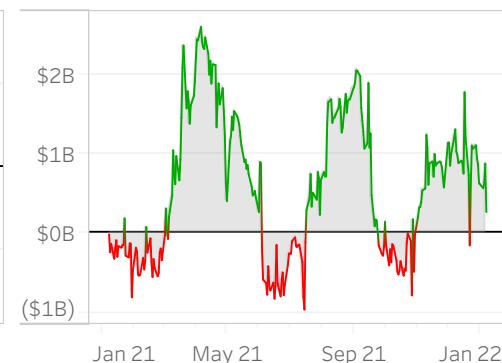
Technology



Utilities

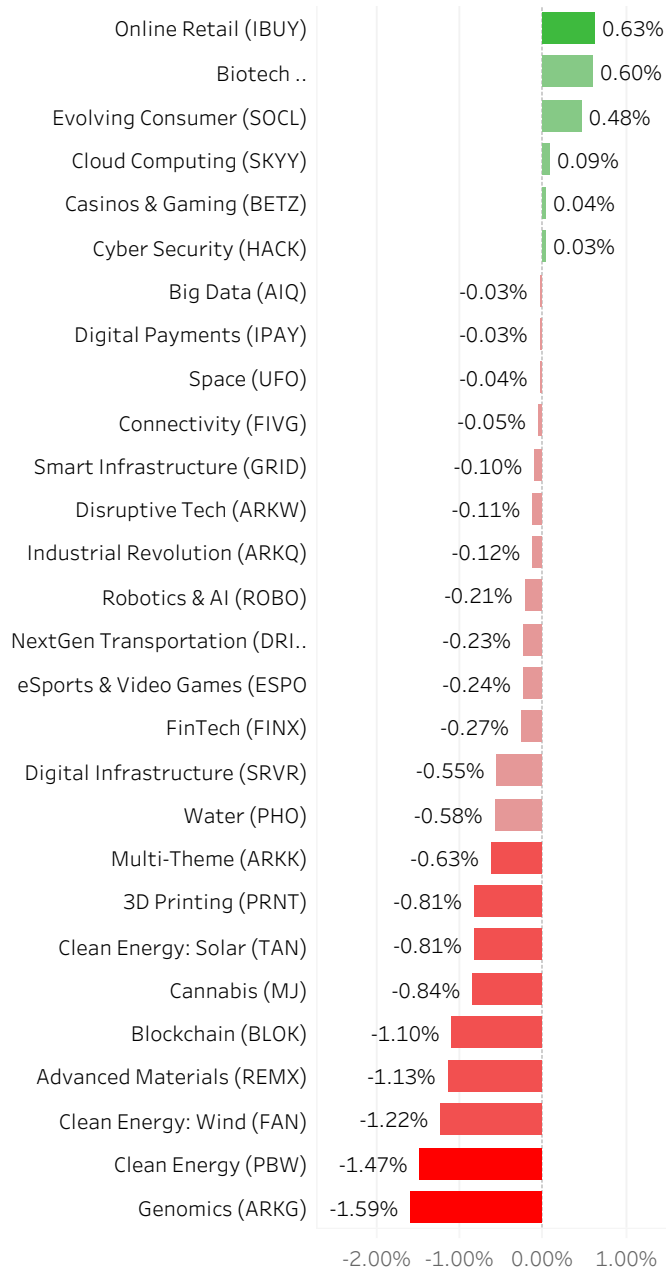


Multi-Sector

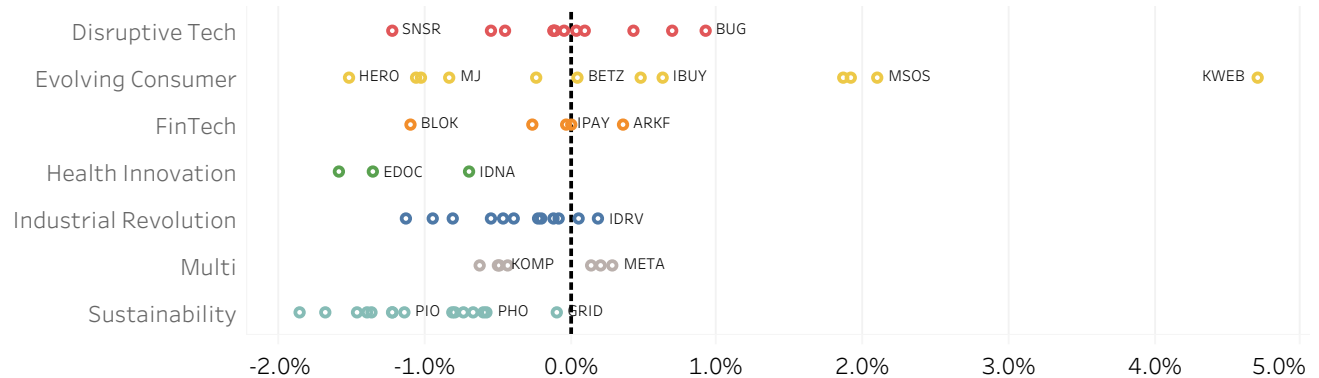


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	4.70%
MSOS	AdvisorShares Pure US Cannabis ETF	2.09%
EMQQ	Emerging Markets Internet & Ecommerce ETF	1.91%
ONLN	ProShares Online Retail ETF	1.86%
BUG	Global X Cybersecurity ETF	0.92%
EBIZ	Global X E-Commerce ETF	0.81%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	0.77%
WCLD	WisdomTree Cloud Computing Fund	0.69%
YOLO	AdvisorShares Pure Cannabis ETF	0.66%
IBUY	Amplify Online Retail ETF	0.63%

Thematic Most Overbought

Ticker	Fund	Price
LEGR	First Trust Indxx Innovative Transaction & Process ETF	55.85
DRIV	Global X Autonomous & Electric Vehicles ETF	52.66
IDRV	iShares Self-driving EV & Tech ETF	52.26
QTUM	Defiance Quantum ETF	47.18
NXTG	First Trust Indxx NextG ETF	46.76
REMX	VanEck Rare Earth/Strategic Metals ETF	46.66
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	46.49
FIVG	Defiance Next Gen Connectivity ETF	46.12
IPAY	ETFMG Prime Mobile Payments ETF	44.27
AWAY	ETFMG Travel Tech ETF	44.06

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
HDRO	Defiance Next Gen H2 ETF	-2.82%
POTX	Global X Cannabis ETF	-2.27%
PBD	Invesco Global Clean Energy ETF	-1.86%
BKCH	Global X Blockchain ETF	-1.85%
CTEC	Global X CleanTech ETF	-1.76%
AGNG	Global X Aging Population ETF	-1.71%
MOON	Direxion Moonshot Innovators ETF	-1.71%
SMOG	VanEck Low Carbon Energy ETF	-1.68%
ARKG	ARK Genomic Revolution ETF	-1.59%
GAMR	Wedbush ETFMG Video Game Tech ETF	-1.56%

Thematic Most Oversold

Ticker	Fund	Price
ENTR	ERShares Entrepreneurs ETF	13.19
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	23.96
CLOU	Global X Cloud Computing ETF	24.89
FINX	Global X FinTech ETF	25.34
BLOK	Amplify Transformational Data Sharing ETF	25.96
ARKF	ARK Fintech Innovation ETF	27.99
ICLN	iShares Global Clean Energy ETF	28.09
BITQ	Bitwise Crypto Industry Innovators ETF	29.20
WCLD	WisdomTree Cloud Computing Fund	29.32
GAMR	Wedbush ETFMG Video Game Tech ETF	29.34

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$97M
ARKG	ARK Genomic Revolution ETF	\$85M
META	Roundhill Ball Metaverse ETF	\$46M
MSOS	AdvisorShares Pure US Cannabis ETF	\$33M
IDRV	iShares Self-driving EV & Tech ETF	\$28M
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	\$23M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$20M
ROBO	ROBO Global Robotics & Automation Index ETF	\$14M
BATT	Amplify Lithium & Battery Technology ETF	\$11M
LRNZ	TrueShares Technology; AI & Deep Learning ETF	\$9M

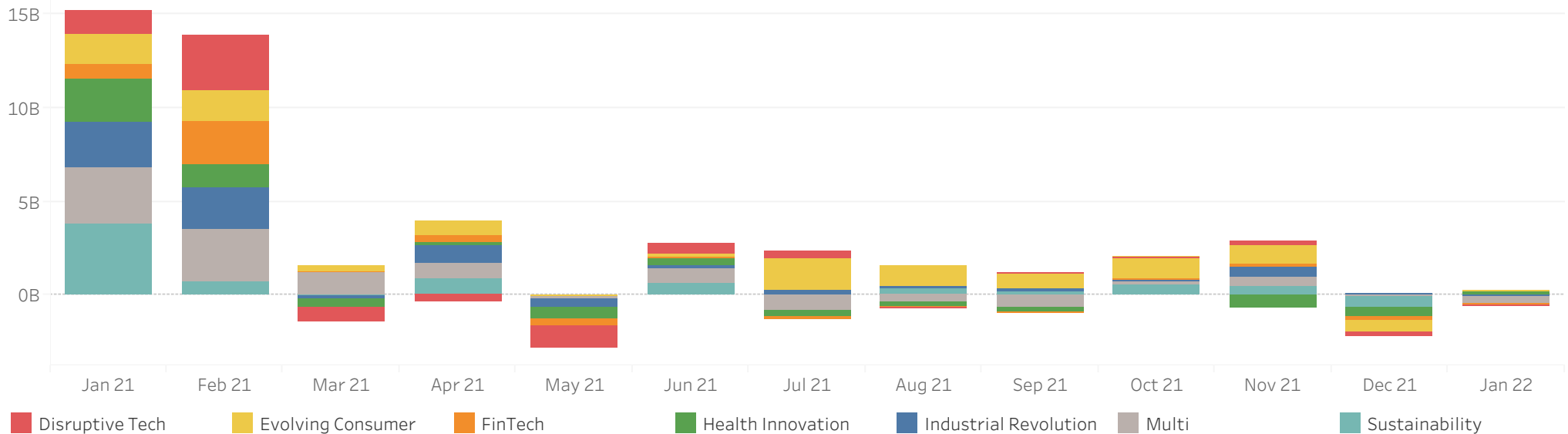
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$363M)
ARKF	ARK Fintech Innovation ETF	(\$55M)
ICLN	iShares Global Clean Energy ETF	(\$34M)
CLOU	Global X Cloud Computing ETF	(\$30M)
SKYY	First Trust Cloud Computing ETF	(\$29M)
WCLD	WisdomTree Cloud Computing Fund	(\$28M)
PBW	Invesco WilderHill Clean Energy ETF	(\$24M)
ARKW	ARK Next Generation Internet ETF	(\$22M)
IBUY	Amplify Online Retail ETF	(\$17M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$16M)

Thematic Landscape Assets & Flows

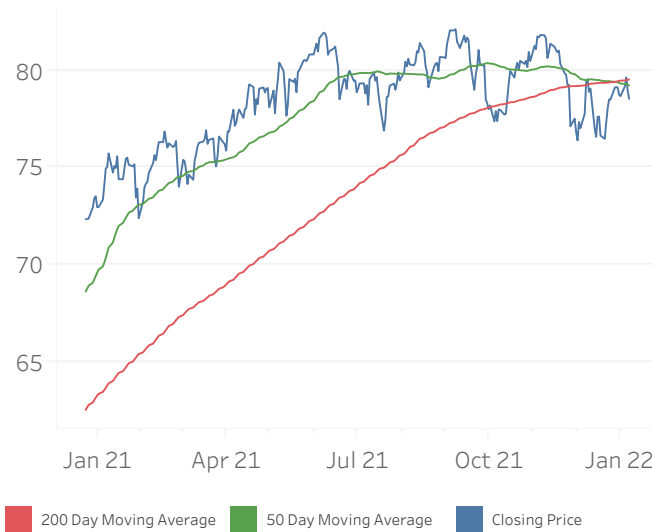
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	38	\$26B	(\$104M)	\$7M	\$321M	\$2,775M
Evolving Consumer	44	\$13B	\$77M	\$1,590M	\$5,073M	\$9,782M
FinTech	19	\$6B	(\$42M)	\$31M	(\$337M)	\$2,959M
Health Innovation	17	\$6B	\$106M	(\$912M)	(\$1,807M)	\$1,186M
Industrial Revolution	25	\$18B	\$60M	\$979M	\$1,448M	\$6,529M
Multi	30	\$24B	(\$387M)	(\$301M)	(\$1,069M)	\$6,837M
Sustainability	37	\$21B	(\$70M)	\$409M	\$778M	\$6,822M
Grand Total	210	\$114B	(\$358M)	\$1,803M	\$4,406M	\$36,890M

Thematic Monthly Flows

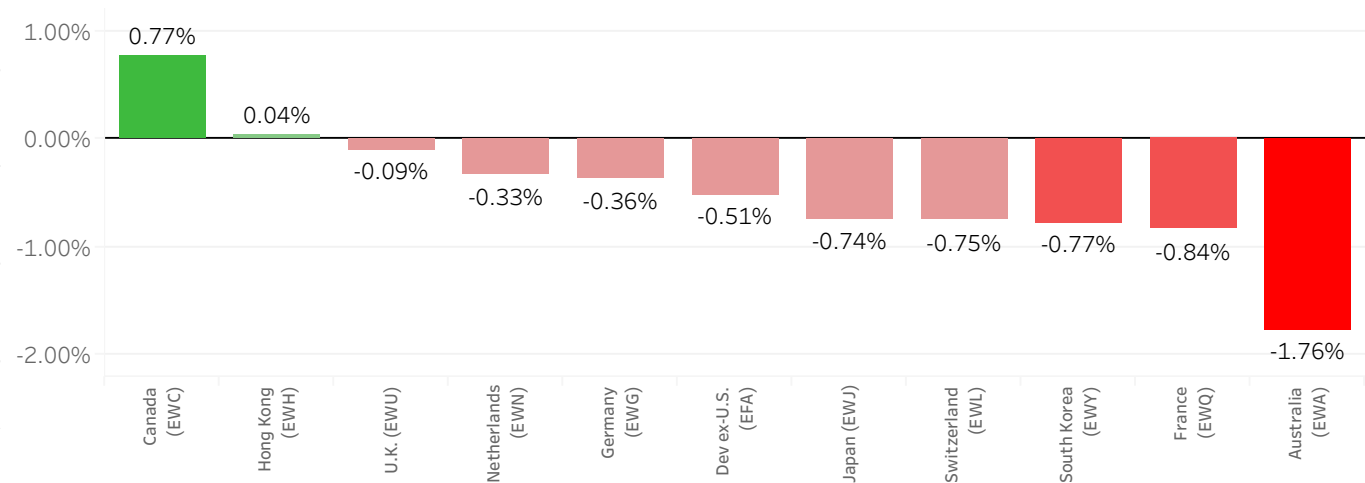


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

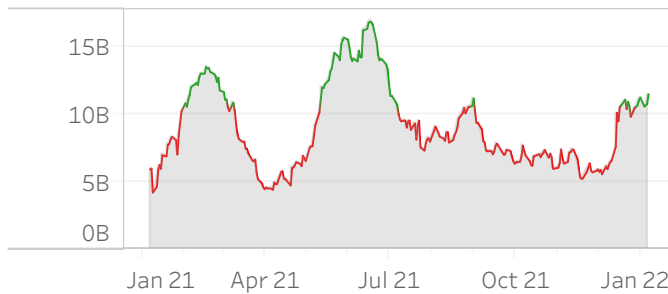
Developed ex-U.S. (EFA)



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



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



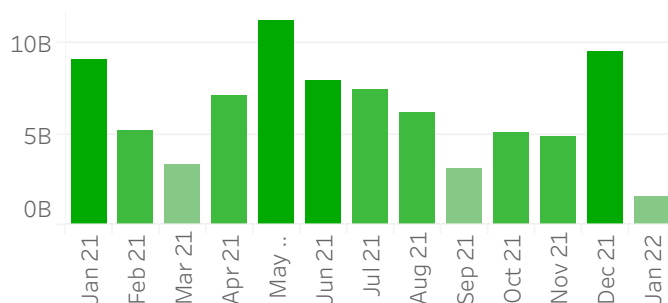
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	1.26%
EIS	iShares MSCI Israel ETF	0.87%
EWS	iShares MSCI Singapore ETF	0.86%
EWC	iShares MSCI Canada ETF	0.77%
AIA	iShares Asia 50 ETF	0.73%
DFIV	Dimensional International Value ETF	0.68%
EWO	iShares MSCI Austria ETF	0.66%
BBCA	JPMorgan BetaBuilders Canada ETF	0.62%
FIDI	Fidelity International High Dividend ETF	0.53%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.48%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	68.71
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	67.12
DFIV	Dimensional International Value ETF	66.63
FDD	First Trust Stoxx European Select Dividend Index Fund	65.78
IDOG	ALPS International Sector Dividend Dogs ETF	65.65
DTH	WisdomTree International High Dividend Fund	64.59
IVLU	iShares MSCI Intl Value Factor ETF	64.43
LVHI	Legg Mason International Low Volatility High Dividend ETF	64.20
FIDI	Fidelity International High Dividend ETF	62.59
EFV	iShares MSCI EAFE Value ETF	62.34

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWA	iShares MSCI Australia ETF	-1.76%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.72%
ENZL	iShares MSCI New Zealand ETF	-1.71%
PIZ	Invesco DWA Developed Markets Momentum ETF	-1.70%
EDEN	iShares MSCI Denmark ETF	-1.48%
EFG	iShares MSCI EAFE Growth ETF	-1.44%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-1.42%
TTAI	FCF International Quality ETF	-1.32%
NORW	Global X MSCI Norway ETF	-1.27%
IQDG	WisdomTree International Quality Dividend Growth Fund	-1.16%

Developed ex-U.S. Most Oversold

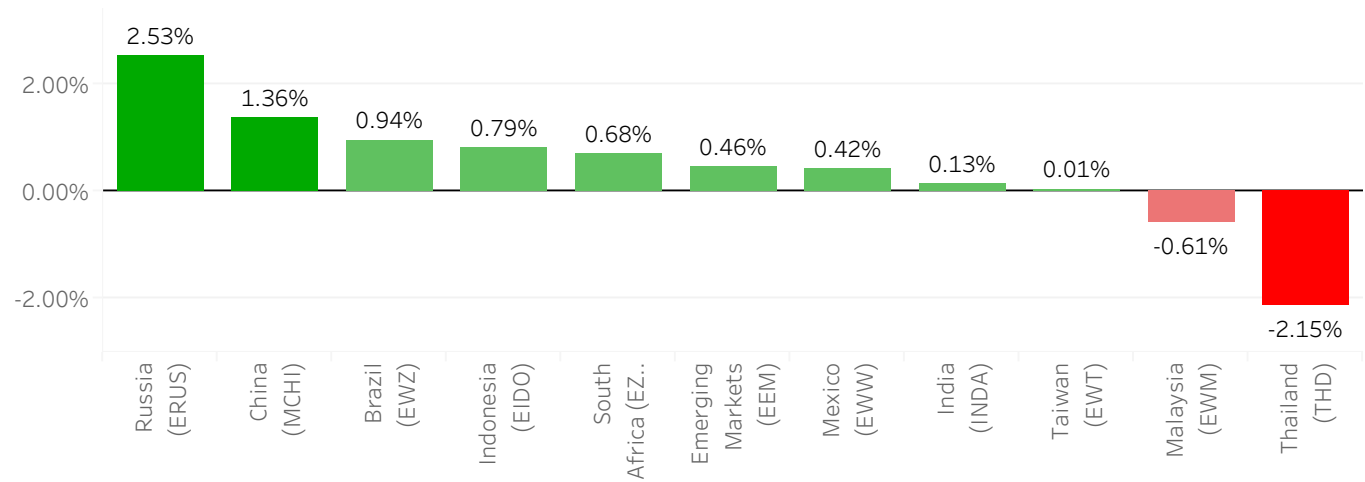
Ticker	Fund	Price
EFAD	ProShares MSCI EAFE Dividend Growers ETF	31.24
EWY	iShares MSCI South Korea ETF	33.80
FLKR	Franklin FTSE South Korea ETF	34.23
RBIN	Nationwide Risk-Based International Equity ETF	34.91
IMOM	Alpha Architect International Quantitative Momentum..	35.11
PIZ	Invesco DWA Developed Markets Momentum ETF	35.60
SCJ	iShares MSCI Japan Small-Cap ETF	36.08
EWS	iShares MSCI Singapore ETF	36.49
TTAI	FCF International Quality ETF	36.82
EFG	iShares MSCI EAFE Growth ETF	39.01

*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)



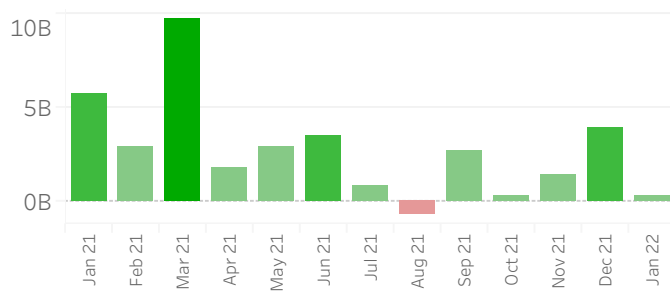
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	2.80%
ERUS	iShares MSCI Russia ETF	2.53%
FNI	First Trust Chindia ETF	2.05%
RSX	VanEck Russia ETF	2.03%
FXI	iShares China Large-Cap ETF	1.76%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	1.76%
GXC	SPDR S&P China ETF	1.50%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.42%
IDX	VanEck Indonesia Index ETF	1.41%
MCHI	iShares MSCI China ETF	1.36%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	70.66
EWZ	iShares MSCI Mexico ETF	63.84
VNM	VanEck Vietnam ETF	63.16
EPI	WisdomTree India Earnings Fund	62.55
GLIN	VanEck India Growth Leaders ETF	62.43
SMIN	iShares MSCI India Small Cap ETF	61.16
KSA	iShares MSCI Saudi Arabia ETF	59.94
NFTY	First Trust India NIFTY 50 Equal Weight ETF	59.58
EPOL	iShares MSCI Poland ETF	58.87
EWT	iShares MSCI Taiwan ETF	57.64

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
THD	iShares MSCI Thailand ETF	-2.15%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-1.00%
PIE	Invesco DWA Emerging Markets Momentum ETF	-0.90%
RAYC	Rayliant Quantamental China Equity ETF	-0.79%
EWM	iShares MSCI Malaysia ETF	-0.61%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	-0.57%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.55%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.42%
CNYA	iShares MSCI China A ETF	-0.40%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	-0.32%

Emerging Most Oversold

Ticker	Fund	Value
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	21.65
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	25.49
EWZS	iShares MSCI Brazil Small-Cap ETF	34.18
CNYA	iShares MSCI China A ETF	35.16
RAYC	Rayliant Quantamental China Equity ETF	35.38
EPHE	iShares MSCI Philippines ETF	35.66
FLBR	Franklin FTSE Brazil ETF	35.94
EWZ	iShares MSCI Brazil ETF	36.31
RSX	VanEck Russia ETF	36.53
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	36.65

*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	-0.11%	-1.51%	-1.10%
SHY	1-3 Year Treasury Bonds	-0.08%	-0.34%	-0.27%
IEF	7-10 Year Treasury Bonds	-0.25%	-2.22%	-1.64%
TLT	20+ Year Treasury Bonds	0.26%	-5.77%	-3.31%
TIP	TIPS Bonds	-0.43%	-1.53%	-2.18%
FLOT	Floating Rate Bonds	-0.10%	0.03%	-0.10%
LQD	Investment Grade Corporate	-0.13%	-2.28%	-1.69%
HYG	High Yield Corporate	0.01%	0.01%	-1.06%
BKLN	Senior Loan	0.09%	0.94%	-0.09%
PFF	Preferred & Income Securities	0.54%	1.03%	-1.62%
MUB	Municipal Bonds	-0.03%	-0.15%	-0.29%
MBB	MBS	-0.13%	-0.91%	-0.77%
EMB	Dollar Denominated EM Bonds	-0.09%	-1.46%	-2.08%
LEMB	Local Currency EM Bond	-0.13%	0.20%	-0.89%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.34%	5.75%	1.85%
DBE	Energy	1.88%	10.81%	4.45%
USO	WTI Crude Oil	2.63%	12.63%	4.65%
BNO	Brent Crude Oil	2.28%	11.35%	5.07%
UNG	Natural Gas	0.00%	6.22%	2.48%
UGA	Gasoline	1.26%	12.38%	3.76%
DBP	Precious Metals	-1.62%	0.09%	-2.89%
GLD	Gold	-1.22%	0.46%	-2.32%
SLV	Silver	-2.33%	-0.97%	-4.65%
PPLT	Platinum	-1.93%	2.36%	-0.19%
PALL	Palladium	0.04%	0.82%	-1.20%
DBB	Base Metals	0.85%	8.51%	1.39%
CPER	Copper	-0.41%	0.38%	-2.28%
LD	Lead	1.39%	6.25%	-0.70%
JJN	Nickel	-0.48%	3.33%	-1.46%
JJU	Aluminum	0.14%	12.77%	3.95%
JJT	Tin	0.32%	1.65%	1.39%
DBA	Agriculture	-0.10%	-0.66%	-0.41%
CORN	Corn	0.32%	1.72%	1.62%
SOYB	Soybeans	0.08%	8.08%	3.47%
WEAT	Wheat	-1.37%	-6.72%	-2.30%
CANE	Sugar	-1.00%	-2.19%	-3.04%
BAL	Cotton	-0.69%	7.67%	2.40%
NIB	Cocoa	-0.96%	-1.59%	-4.27%
JO	Coffee	0.00%	-7.53%	2.73%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.08%	-0.04%	0.66%
UDN	Short Dollar	-0.15%	-0.17%	-0.74%
FXE	Euro	-0.19%	0.02%	-0.78%
FXB	British Pound Sterling	-0.16%	2.01%	0.05%
FXF	Swiss Franc	-0.49%	0.26%	-1.11%
FXJ	Japanese Yen	0.17%	-2.10%	-0.64%
FXC	Canadian Dollar	0.28%	0.19%	-0.72%
FXA	Australian Dollar	-0.82%	1.60%	-1.43%

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

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Contact us at:

team@etfaction.com

www.etfaction.com