

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

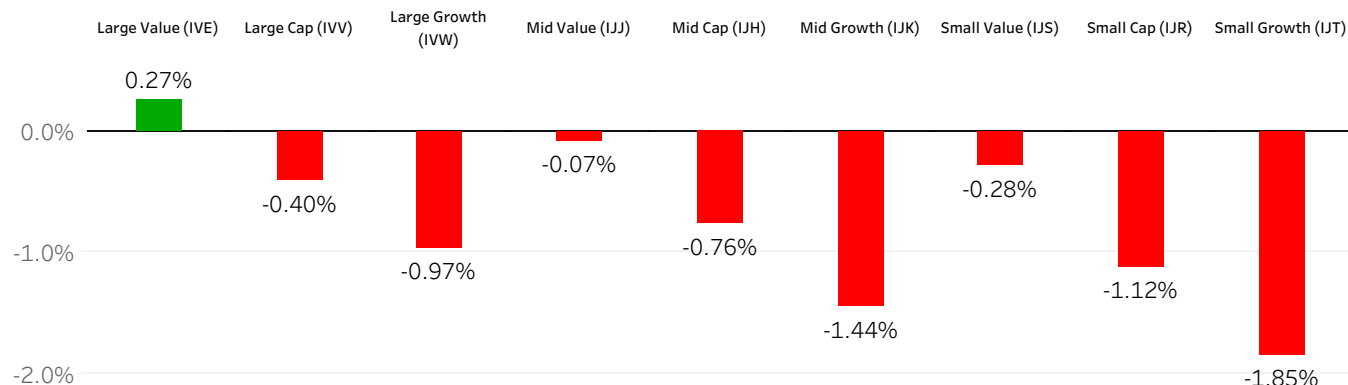


Small Cap Blend (S&P 600) IJR



■ 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
SPVU	Invesco S&P 500 Enhanced Value ETF	1.34%
RPV	Invesco S&P 500 Pure Value ETF	1.33%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	1.28%
DUSA	Davis Select U.S. Equity ETF	1.24%
SDOG	ALPS Sector Dividend Dogs ETF	1.20%
PEY	Invesco High Yield Equity Dividend Achievers ETF	1.11%
WBIY	WBI Power Factor High Dividend ETF	1.08%
FDL	First Trust Morningstar Dividend Leaders Index Fund	1.08%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	1.03%
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd..	1.02%

Size & Style Most Overbought

Ticker	Fund	Value
DHS	WisdomTree U.S. High Dividend Fund	78.44
FDL	First Trust Morningstar Dividend Leaders Index Fund	78.33
PEY	Invesco High Yield Equity Dividend Achievers ETF	76.92
RDIV	Invesco S&P Ultra Dividend Revenue ETF	76.30
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	75.14
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	74.48
DVY	iShares Select Dividend ETF	73.97
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd..	73.72
HDV	iShares Core High Dividend ETF	73.71
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	73.29

Size & Style 1-Day Performance Laggards

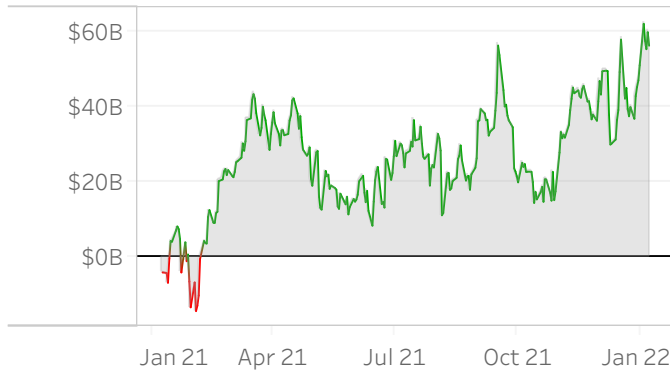
Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-2.65%
PDP	Invesco DWA Momentum ETF	-2.39%
TMFS	Motley Fool Small-Cap Growth ETF	-2.37%
DWAS	Invesco DWA SmallCap Momentum ETF	-2.34%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	-2.21%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-2.19%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	-2.11%
XSMO	Invesco S&P SmallCap Momentum ETF	-1.90%
FYC	First Trust Small Cap Growth AlphaDEX Fund	-1.90%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-1.88%

Size & Style Most Oversold

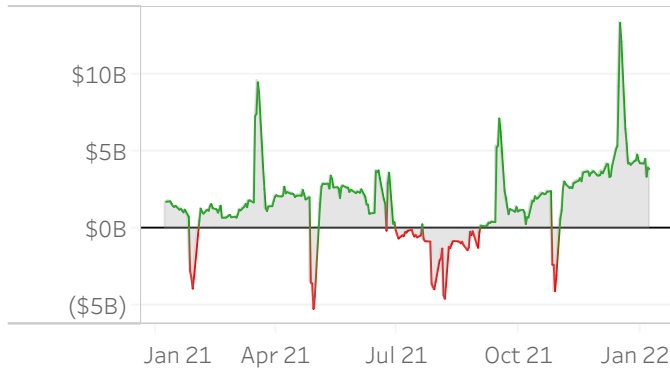
Ticker	Fund	Value
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy..	20.37
NUMG	Nuveen ESG Mid-Cap Growth ETF	25.81
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovati..	27.84
TTAC	FCF US Quality ETF	28.53
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight E..	28.91
BIBL	Inspire 100 ETF	29.23
MMLG	First Trust Multi-Manager Large Growth ETF	29.82
LCG	Sterling Capital Focus Equity ETF	30.04
IPO	Renaissance IPO ETF	30.08
NULG	Nuveen ESG Large-Cap Growth ETF	30.41

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

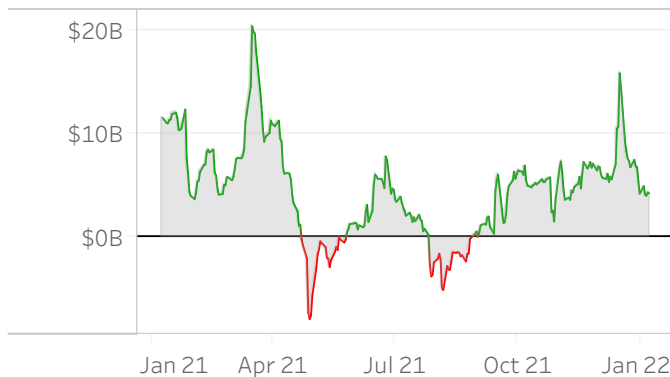
Large-Cap 30-Day Rolling Flows



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: Value	11	\$220B	\$0.59B	\$6.75B	\$10.90B	\$30.52B
Mid Cap, Beta, Beta	10	\$197B	\$0.53B	\$6.67B	\$7.05B	\$12.17B
Large Cap, Beta Growth, Beta: Growth	10	\$272B	\$0.44B	\$5.35B	\$10.12B	\$10.54B
Small Cap, Beta, Beta: Value	7	\$59B	\$0.27B	\$0.52B	\$0.85B	\$6.48B
Small Cap, Beta, Beta	12	\$226B	\$0.15B	\$8.16B	\$12.03B	\$19.14B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.04B)	\$1.03B	\$0.96B	(\$1.15B)
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.14B)	\$0.83B	\$1.06B	\$1.15B
Mid Cap, Beta, Beta: Value	6	\$43B	(\$0.23B)	\$0.44B	\$0.55B	\$3.33B
Large Cap, Beta Growth, Beta	24	\$1,400B	(\$10.58B)	\$67.48B	\$94.51B	\$151.96B

U.S. Size & Style Flow Leaders

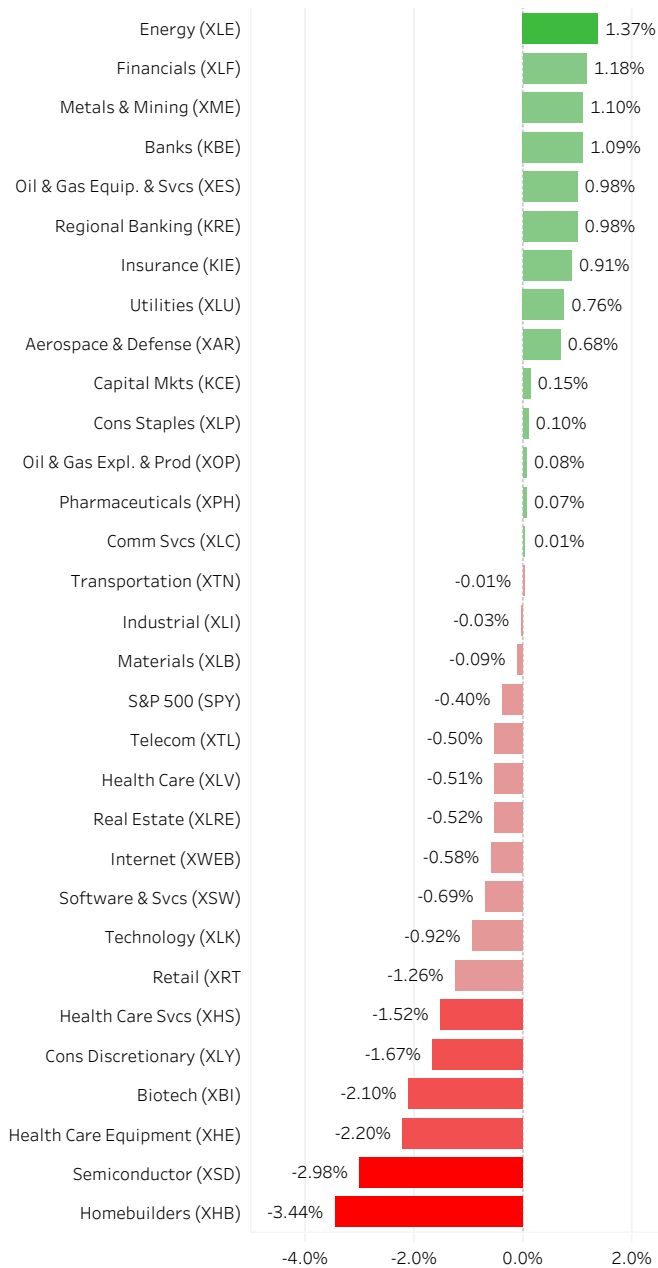
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.88B	\$0.41B	(\$0.61B)	\$1.88B	\$31.01B
VTI	Vanguard Total Stock Market ETF	\$0.74B	\$12.99B	\$23.77B	\$44.35B	\$294.45B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.54B	\$1.18B	\$0.83B	(\$0.02B)	\$9.47B
VTV	Vanguard Value ETF	\$0.49B	\$3.06B	\$5.59B	\$15.50B	\$94.31B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.45B	\$1.23B	\$1.78B	\$7.86B	\$32.32B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.43B	\$2.23B	\$5.43B	\$8.42B	\$25.65B
SCHD	Schwab US Dividend Equity ETF	\$0.42B	\$1.34B	\$3.59B	\$10.12B	\$31.97B
IJR	iShares Core S&P Small Cap ETF	\$0.27B	\$3.95B	\$3.42B	\$5.63B	\$75.81B
VLUE	iShares MSCI USA Value Factor ETF	\$0.27B	(\$0.43B)	(\$0.38B)	\$3.93B	\$16.82B
VO	Vanguard Mid-Cap ETF	\$0.24B	\$2.64B	\$4.24B	\$6.55B	\$56.41B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$2.22B)	\$16.24B	\$16.23B	\$29.22B	\$330.07B
VOO	Vanguard S&P 500 ETF	(\$1.00B)	\$4.25B	\$17.53B	\$45.50B	\$274.80B
QQQ	Invesco QQQ Trust	(\$0.68B)	\$11.37B	\$15.29B	\$24.45B	\$208.02B
IWD	iShares Russell 1000 Value ETF	(\$0.46B)	\$2.24B	\$2.55B	\$5.22B	\$59.83B
IWM	iShares Russell 2000 ETF	(\$0.44B)	\$0.67B	\$1.73B	(\$0.33B)	\$67.51B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.29B)	(\$0.17B)	\$0.86B	(\$1.29B)	\$24.48B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.25B)	(\$0.60B)	(\$0.43B)	\$1.05B	\$8.83B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.22B)	(\$0.51B)	(\$0.49B)	(\$0.46B)	\$3.55B
ALTL	Pacer Lunt Large Cap Alternator ETF	(\$0.20B)	\$0.15B	\$0.23B	\$0.28B	\$0.37B
IVW	iShares S&P 500 Growth ETF	(\$0.18B)	\$0.55B	\$0.97B	(\$0.88B)	\$39.02B

* 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%	56.00%	8.23%	15.97%	72.46
XLF	Financial Select Sector SPDR Fund	0.00%	42.21%	4.51%	8.71%	66.52
XLP	Consumer Staples Select Sector SPDR Fund	-0.26%	22.31%	4.77%	8.34%	69.08
XLI	Industrial Select Sector SPDR Fund	-0.59%	25.62%	1.56%	3.23%	57.64
XLB	Materials Select Sector SPDR Fund	-1.45%	26.42%	1.35%	5.32%	53.33
XLU	Utilities Select Sector SPDR Fund	-1.63%	20.65%	2.73%	5.52%	55.70
SPY	SPDR S&P 500 ETF Trust	-2.43%	25.95%	-0.15%	5.79%	46.66
XLRE	Real Estate Select Sector SPDR Fund	-4.90%	35.28%	0.28%	7.11%	44.49
XLV	Health Care Select Sector SPDR Fund	-5.05%	21.25%	-0.48%	3.72%	39.88
XLY	Consumer Discretionary Select Sector SPDR Fund	-5.65%	28.01%	-2.42%	7.38%	44.15
XLK	Technology Select Sector SPDR Fund	-6.07%	31.87%	-2.10%	7.93%	40.75
XLC	Communication Services Select Sector SPDR Fund	-11.17%	14.29%	-2.23%	-4.31%	42.68

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	1.91%
IAK	iShares U.S. Insurance ETF	1.75%
KBWB	Invesco KBW Bank ETF	1.59%
FTXO	First Trust Nasdaq Bank ETF	1.51%
RYE	Invesco S&P 500 Equal Weight Energy ETF	1.47%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.45%
XLE	Energy Select Sector SPDR Fund	1.37%
AMLP	Alerian MLP ETF	1.27%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	1.25%
VDE	Vanguard Energy ETF	1.23%

Sector & Industry Most Overbought

Ticker	Fund	1 Day Performance
FXG	First Trust Consumer Staples AlphaDEX Fund	77.59
IYK	iShares U.S. Consumer Staples ETF	76.86
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	76.64
KBWR	Invesco KBW Regional Banking ETF	73.79
PBJ	Invesco Dynamic Food & Beverage ETF	72.85
DFRA	Donoghue Forlines Yield Enhanced Real Asset ETF	72.73
XLE	Energy Select Sector SPDR Fund	72.46
MLPA	Global X MLP ETF	71.92
IAT	iShares U.S. Regional Banks ETF	71.64
KRE	SPDR S&P Regional Banking ETF	71.62

Sector & Industry 1 Day Performance Laggards

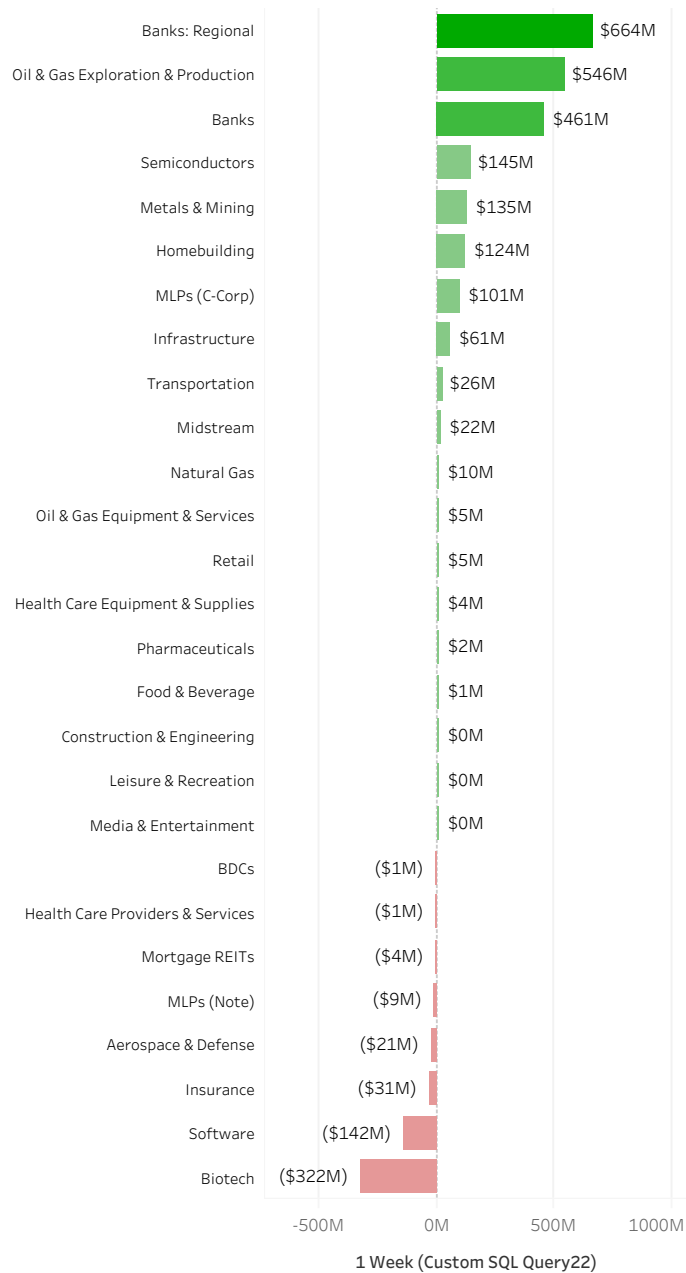
Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	-4.53%
PSI	Invesco Dynamic Semiconductors ETF	-3.65%
XHB	SPDR S&P Homebuilders ETF	-3.44%
PTF	Invesco DWA Technology Momentum ETF	-3.11%
PRN	Invesco DWA Industrials Momentum ETF	-3.08%
XSD	SPDR S&P Semiconductor ETF	-2.98%
SOXX	iShares Semiconductor ETF	-2.90%
SOXQ	Invesco PHLX Semiconductor ETF	-2.88%
PKB	Invesco Dynamic Building & Construction ETF	-2.75%
PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	-2.64%

Sector & Industry Most Oversold

Ticker	Fund	1 Day Performance
PSJ	Invesco Dynamic Software ETF	26.41
IBB	iShares Biotechnology ETF	28.17
IGV	iShares Expanded Tech-Software Sector ETF	28.29
PTH	Invesco DWA Healthcare Momentum ETF	29.68
FDN	First Trust Dow Jones Internet Index Fund	30.46
FXH	First Trust Health Care AlphaDEX Fund	31.52
PNQI	Invesco NASDAQ Internet ETF	31.86
XBI	SPDR S&P BIOTECH ETF	32.15
PBE	Invesco Dynamic Biotechnology & Genome ETF	32.26
XSW	SPDR S&P Software & Services ETF	33.31

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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	\$20B	(\$86M)	(\$558M)	\$1,033M	\$613M
Consumer Discretionary	13	\$37B	(\$28M)	\$983M	\$521M	\$2,228M
Consumer Staples	12	\$24B	\$575M	\$1,608M	\$2,073M	(\$451M)
Energy	34	\$61B	\$1,842M	\$2,882M	\$2,884M	\$10,393M
Financials	28	\$89B	\$3,146M	\$3,983M	\$5,856M	\$19,440M
Health Care	26	\$91B	\$949M	\$5,366M	\$6,306M	\$6,110M
Industrial	14	\$36B	\$680M	\$107M	(\$2,437M)	\$229M
Materials	10	\$17B	\$579M	\$659M	(\$1,735M)	\$3,578M
Multi-Sector	19	\$26B	(\$78M)	\$1,623M	\$1,976M	\$4,641M
Real Estate	22	\$84B	\$1,179M	\$4,303M	\$8,255M	\$14,943M
Technology	24	\$154B	\$86M	\$3,924M	\$6,725M	\$6,395M
Utilities	10	\$21B	\$24M	(\$323M)	\$351M	\$21M

U.S. Sector & Industry Flow Leaders

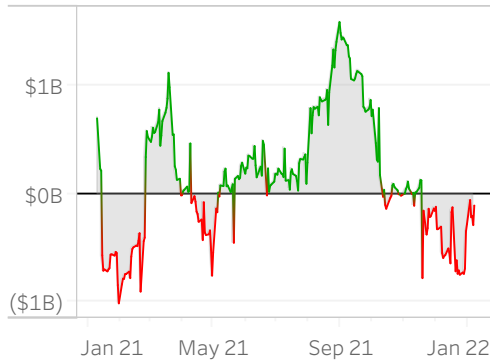
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$2,040M	\$3,119M	\$3,825M	\$9,485M	\$48,018M
XLV	Health Care Select Sector SPDR Fund	\$1,300M	\$4,054M	\$3,772M	\$5,404M	\$35,423M
XLE	Energy Select Sector SPDR Fund	\$976M	\$1,074M	\$1,709M	\$5,734M	\$29,807M
XLI	Industrial Select Sector SPDR Fund	\$651M	(\$47M)	(\$1,697M)	(\$1,454M)	\$18,306M
KRE	SPDR S&P Regional Banking ETF	\$648M	\$207M	\$456M	\$2,462M	\$5,919M
XLP	Consumer Staples Select Sector SPDR Fund	\$553M	\$1,206M	\$1,451M	(\$428M)	\$14,046M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$539M	(\$224M)	(\$113M)	(\$67M)	\$4,199M
IYR	iShares U.S. Real Estate ETF	\$526M	(\$201M)	\$1,777M	\$1,723M	\$7,603M
XLB	Materials Select Sector SPDR Fund	\$407M	\$452M	(\$1,179M)	\$1,251M	\$8,518M
KBE	SPDR S&P Bank ETF	\$320M	(\$14M)	(\$68M)	(\$104M)	\$3,627M

U.S. Sector & Industry Flow Laggards

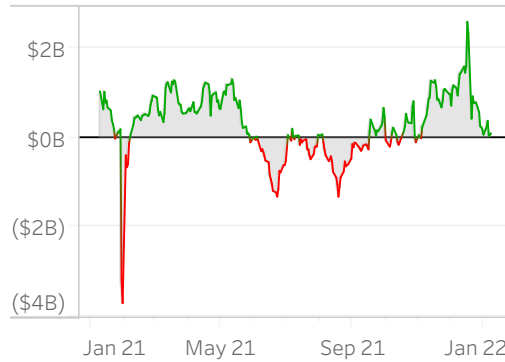
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$399M)	\$798M	\$910M	\$1,405M	\$6,271M
FDN	First Trust Dow Jones Internet Index Fund	(\$236M)	(\$295M)	(\$269M)	(\$1,912M)	\$9,142M
IGV	iShares Expanded Tech-Software Sector ETF	(\$132M)	\$593M	\$663M	(\$579M)	\$5,394M
PJP	Invesco Dynamic Pharmaceuticals ETF	(\$79M)	(\$90M)	(\$11M)	(\$37M)	\$353M
FXL	First Trust Technology AlphaDEX Fund	(\$77M)	(\$943M)	(\$923M)	(\$1,137M)	\$1,795M
VHT	Vanguard Health Care ETF	(\$71M)	\$352M	\$983M	\$1,684M	\$16,774M
XHB	SPDR S&P Homebuilders ETF	(\$68M)	\$445M	\$216M	\$520M	\$2,353M
XLC	Communication Services Select Sector SPDR Fu..	(\$58M)	(\$422M)	\$738M	(\$209M)	\$13,931M
PNQI	Invesco NASDAQ Internet ETF	(\$49M)	(\$47M)	(\$47M)	(\$70M)	\$837M
IYG	iShares US Financial Services ETF	(\$40M)	\$47M	\$142M	\$1,029M	\$2,724M

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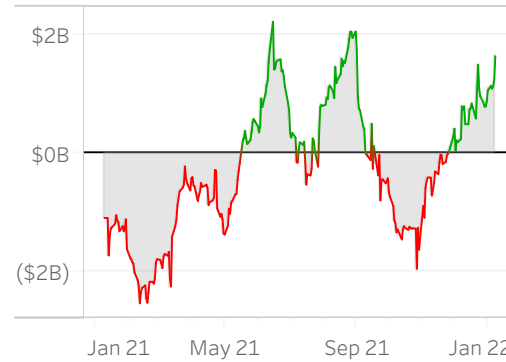
Communication Services



Consumer Discretionary



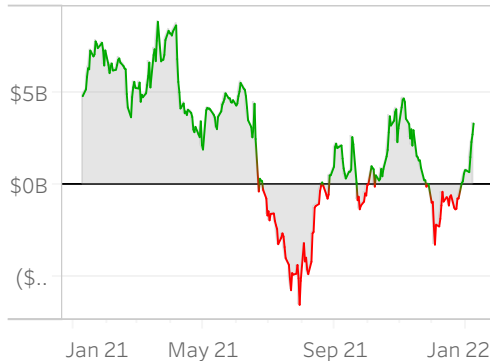
Consumer Staples



Energy



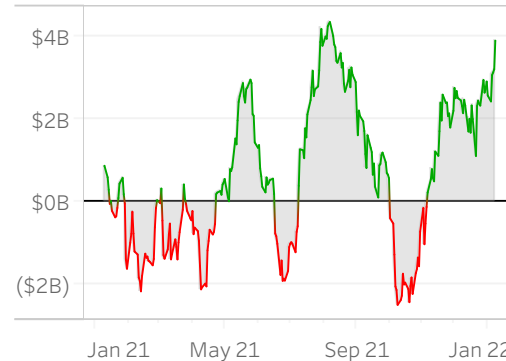
Financials



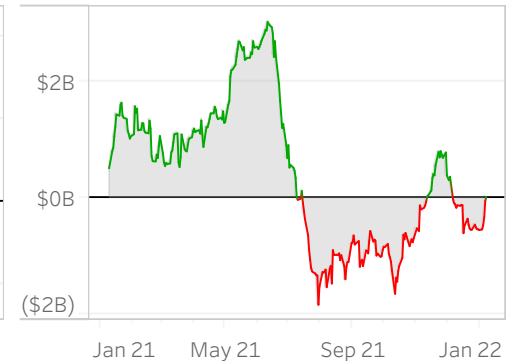
Industrial



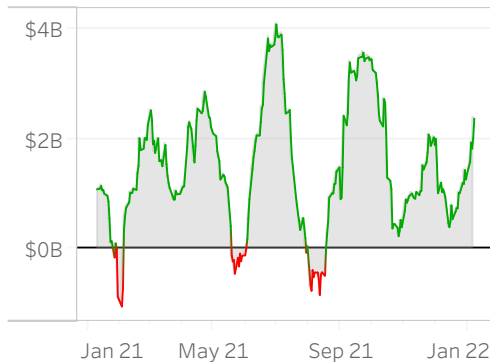
Health Care



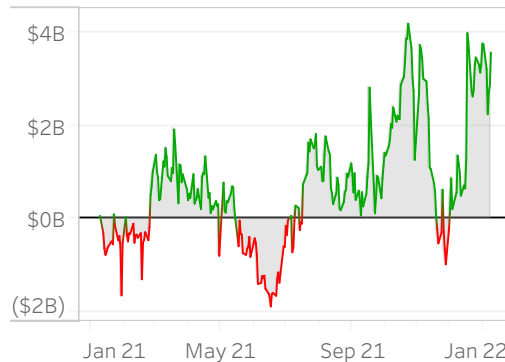
Materials



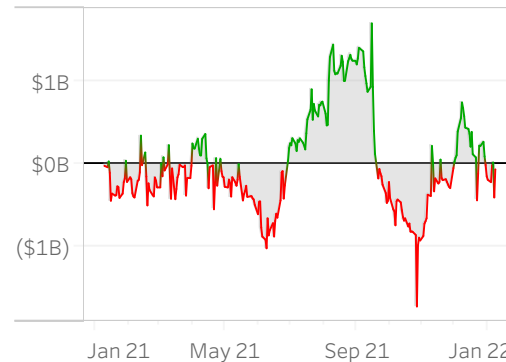
Real Estate



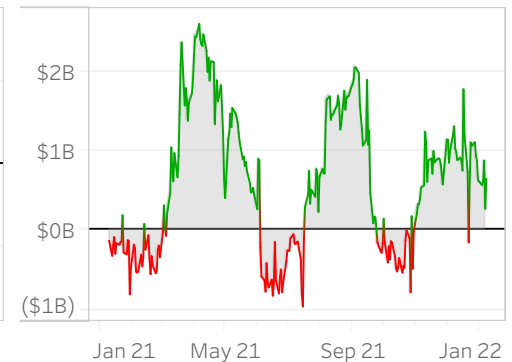
Technology



Utilities

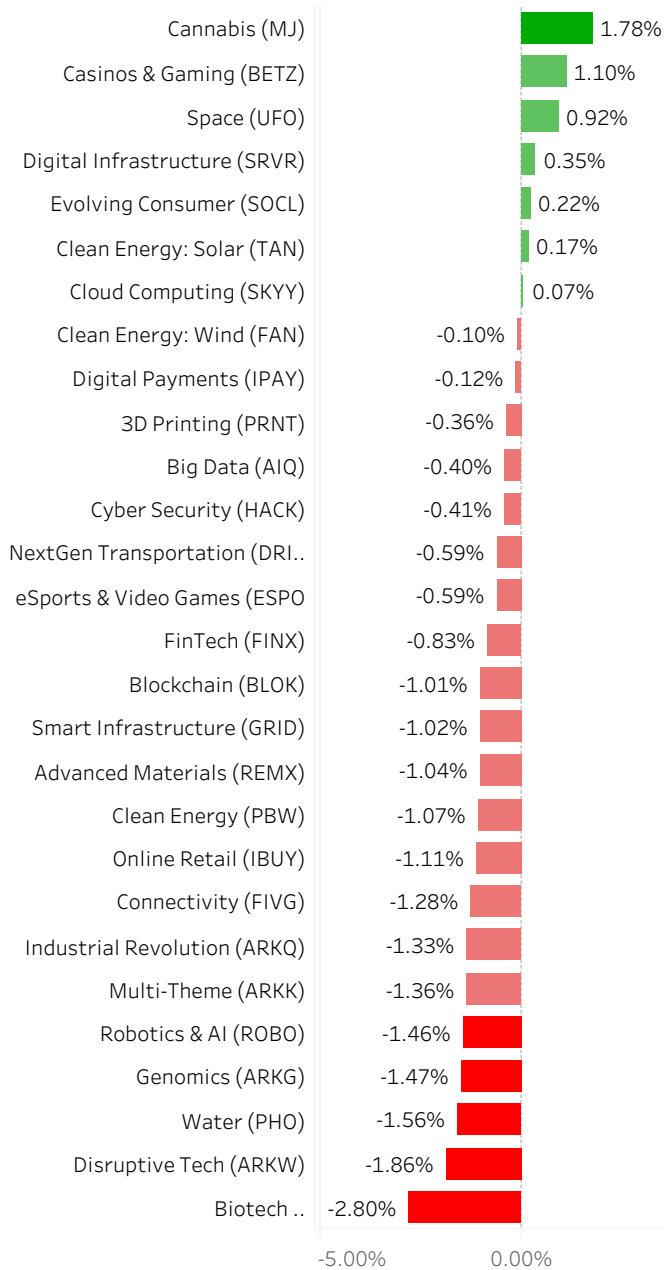


Multi-Sector

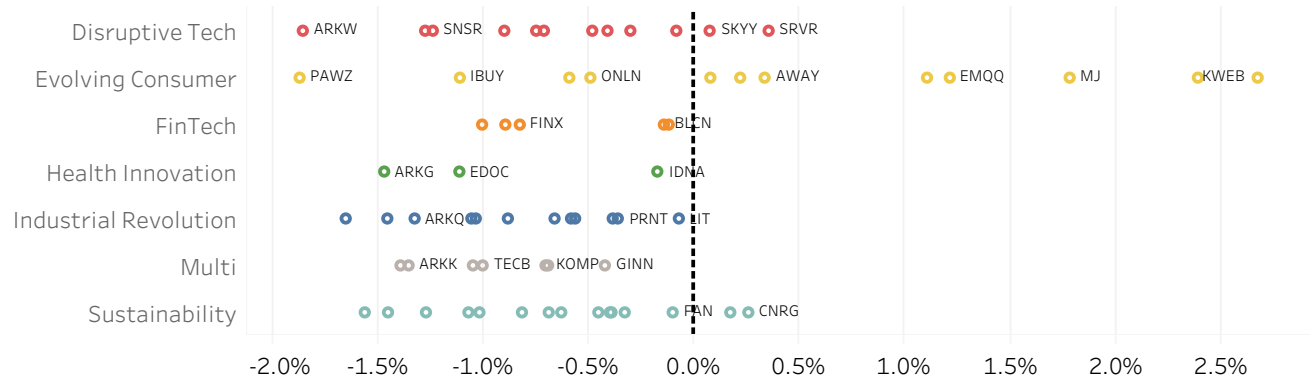


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	2.67%
MSOS	AdvisorShares Pure US Cannabis ETF	2.39%
CNBS	Amplify Seymour Cannabis ETF	2.04%
MJ	ETFMG Alternative Harvest ETF	1.78%
POTX	Global X Cannabis ETF	1.61%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	1.58%
EMQQ	Emerging Markets Internet & Ecommerce ETF	1.21%
BETZ	Roundhill Sports Betting & iGaming ETF	1.10%
THCX	Cannabis ETF	0.99%
UFO	Procure Space ETF	0.92%

Thematic Most Overbought

Ticker	Fund	Price
LEGR	First Trust Indxx Innovative Transaction & Process ETF	59.97
DRIV	Global X Autonomous & Electric Vehicles ETF	50.67
IDRV	iShares Self-driving EV & Tech ETF	50.41
NXTG	First Trust Indxx NextG ETF	46.30
BJK	VanEck Gaming ETF	45.05
AWAY	ETFMG Travel Tech ETF	45.03
REMX	VanEck Rare Earth/Strategic Metals ETF	44.70
MSOS	AdvisorShares Pure US Cannabis ETF	44.43
IPAY	ETFMG Prime Mobile Payments ETF	43.94
EBLU	Ecofin Global Water ESG Fund	42.95

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SBIO	ALPS Medical Breakthroughs ETF	-2.80%
BTEC	Principal Healthcare Innovators ETF	-2.33%
PAWZ	ProShares Pet Care ETF	-1.87%
ARKW	ARK Next Generation Internet ETF	-1.86%
GNOM	Global X Genomics & Biotechnology ETF	-1.66%
BOTZ	Global X Robotics & Artificial Intelligence ETF	-1.65%
MOON	Direxion Moonshot Innovators ETF	-1.58%
PHO	Invesco Water Resources ETF	-1.56%
QTUM	Defiance Quantum ETF	-1.50%
ARKG	ARK Genomic Revolution ETF	-1.47%

Thematic Most Oversold

Ticker	Fund	Price
ENTR	ERShares Entrepreneurs ETF	12.79
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	23.78
CLOU	Global X Cloud Computing ETF	23.86
FINX	Global X FinTech ETF	24.53
BLOK	Amplify Transformational Data Sharing ETF	25.37
ARKF	ARK Fintech Innovation ETF	27.20
PAWZ	ProShares Pet Care ETF	27.30
ICLN	iShares Global Clean Energy ETF	27.48
ARKW	ARK Next Generation Internet ETF	27.96
BITQ	Bitwise Crypto Industry Innovators ETF	28.34

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$125M
META	Roundhill Ball Metaverse ETF	\$39M
ARKG	ARK Genomic Revolution ETF	\$38M
SARK	Tuttle Capital Short Innovation ETF	\$33M
ROBO	ROBO Global Robotics & Automation Index ETF	\$21M
IDRV	iShares Self-driving EV & Tech ETF	\$17M
MSOS	AdvisorShares Pure US Cannabis ETF	\$15M
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	\$12M
BATT	Amplify Lithium & Battery Technology ETF	\$11M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$10M

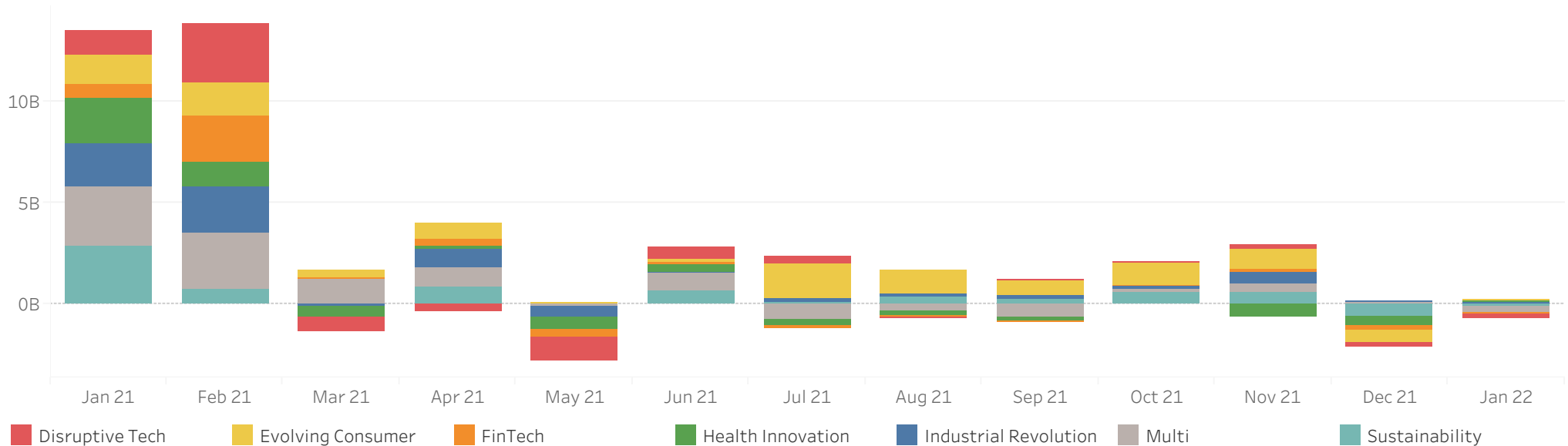
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$327M)
ARKW	ARK Next Generation Internet ETF	(\$88M)
ARKF	ARK Fintech Innovation ETF	(\$85M)
TAN	Invesco Solar ETF	(\$79M)
WCLD	WisdomTree Cloud Computing Fund	(\$53M)
ICLN	iShares Global Clean Energy ETF	(\$50M)
SKYY	First Trust Cloud Computing ETF	(\$44M)
CLOU	Global X Cloud Computing ETF	(\$34M)
PBW	Invesco WilderHill Clean Energy ETF	(\$33M)
MJ	ETFMG Alternative Harvest ETF	(\$21M)

Thematic Landscape Assets & Flows

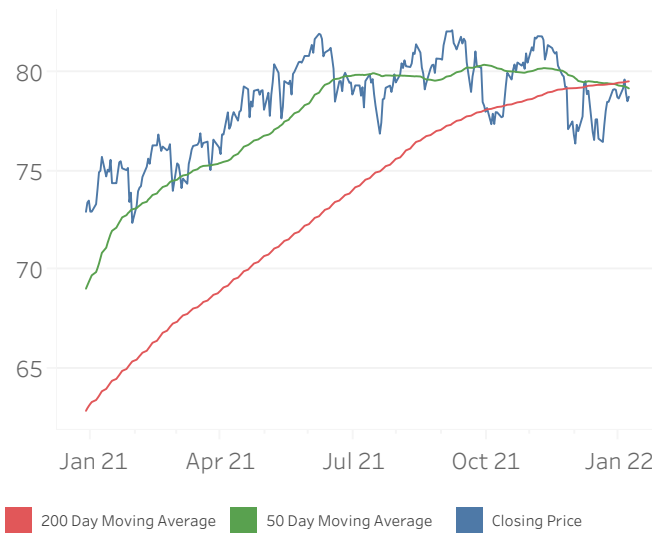
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	38	\$26B	(\$187M)	(\$91M)	\$202M	\$2,634M
Evolving Consumer	44	\$14B	\$24M	\$1,602M	\$5,162M	\$9,612M
FinTech	19	\$6B	(\$90M)	(\$24M)	(\$371M)	\$2,852M
Health Innovation	17	\$6B	\$69M	(\$976M)	(\$1,802M)	\$945M
Industrial Revolution	25	\$17B	\$41M	\$966M	\$1,424M	\$6,299M
Multi	30	\$24B	(\$167M)	(\$161M)	(\$853M)	\$6,849M
Sustainability	37	\$21B	(\$181M)	\$386M	\$629M	\$5,766M
Grand Total	210	\$114B	(\$491M)	\$1,701M	\$4,391M	\$34,957M

Thematic Monthly Flows

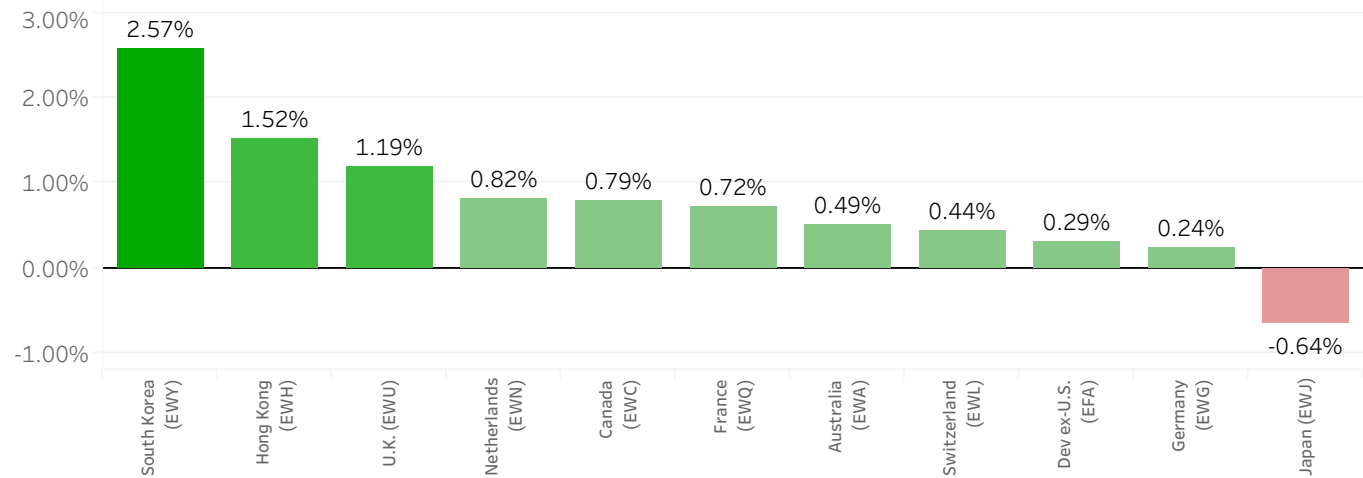


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

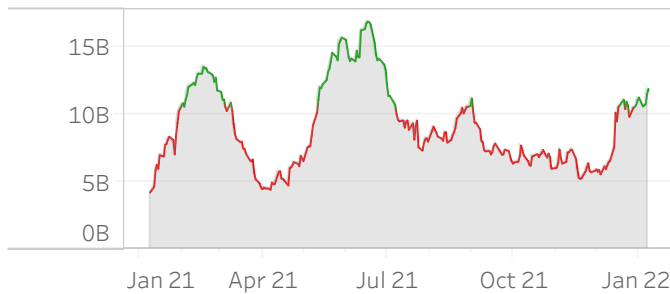
Developed ex-U.S. (EFA)



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



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



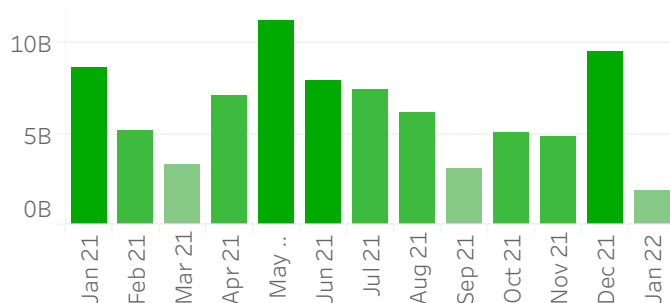
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.93%
EWY	iShares MSCI South Korea ETF	2.57%
FLKR	Franklin FTSE South Korea ETF	2.27%
EWH	iShares MSCI Hong Kong ETF	1.52%
DTH	WisdomTree International High Dividend Fund	1.40%
FDD	First Trust Stoxx European Select Dividend Index Fund	1.38%
IDV	iShares International Select Dividend ETF	1.33%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	1.26%
EWU	iShares MSCI United Kingdom ETF	1.19%
NORW	Global X MSCI Norway ETF	1.15%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	73.36
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	73.09
FDD	First Trust Stoxx European Select Dividend Index Fund	72.58
DTH	WisdomTree International High Dividend Fund	71.54
DFIV	Dimensional International Value ETF	70.00
IDOG	ALPS International Sector Dividend Dogs ETF	69.19
IDV	iShares International Select Dividend ETF	68.38
IVLU	iShares MSCI Intl Value Factor ETF	67.95
FIDI	Fidelity International High Dividend ETF	67.30
LVHI	Legg Mason International Low Volatility High Dividend ETF	66.99

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.95%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.86%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.75%
EWJ	iShares MSCI Japan ETF	-0.64%
FGM	First Trust Germany AlphaDEX Fund	-0.60%
FLJP	Franklin FTSE Japan ETF	-0.54%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.53%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.51%
JPXN	iShares JPX-Nikkei 400 ETF	-0.50%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.46%

Developed ex-U.S. Most Oversold

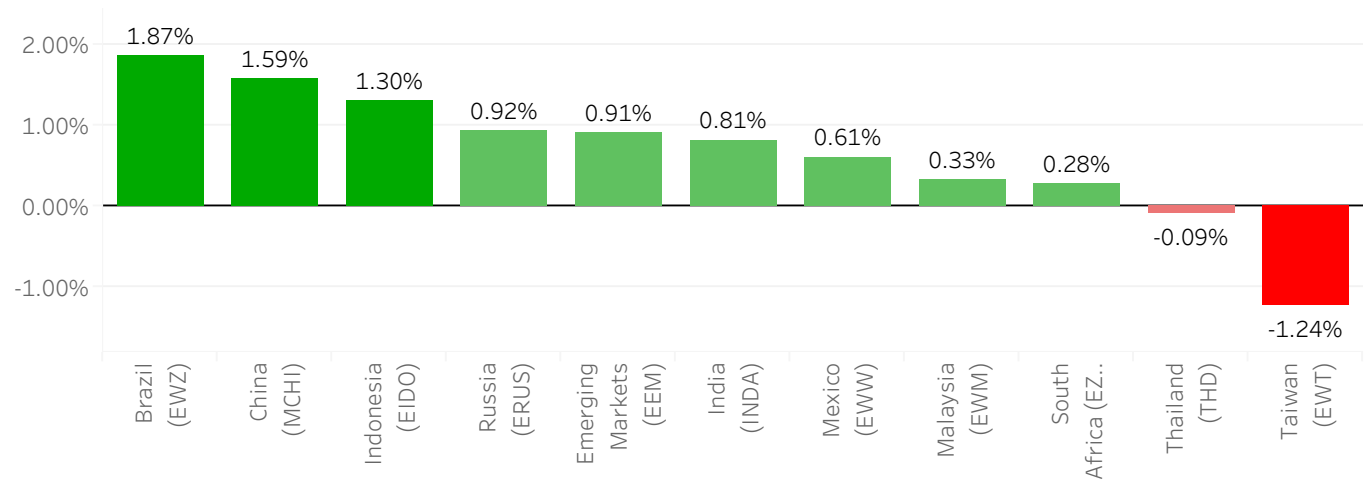
Ticker	Fund	Price
EFAD	ProShares MSCI EAFE Dividend Growers ETF	32.56
IMOM	Alpha Architect International Quantitative Momentum ETF	32.92
SCJ	iShares MSCI Japan Small-Cap ETF	34.54
PIZ	Invesco DWA Developed Markets Momentum ETF	35.86
RBIN	Nationwide Risk-Based International Equity ETF	36.46
EFG	iShares MSCI EAFE Growth ETF	37.52
BBJP	JPMorgan BetaBuilders Japan ETF	38.17
TTAI	FCF International Quality ETF	39.30
EDEN	iShares MSCI Denmark ETF	39.49
JPXN	iShares JPX-Nikkei 400 ETF	40.68

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

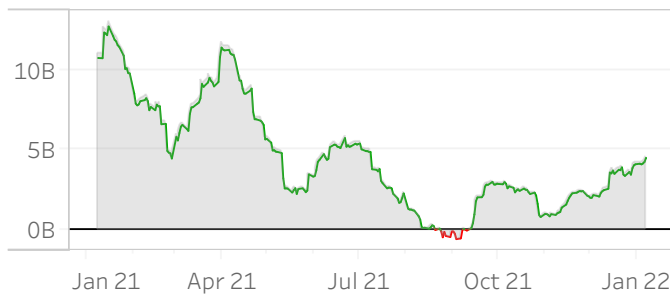
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



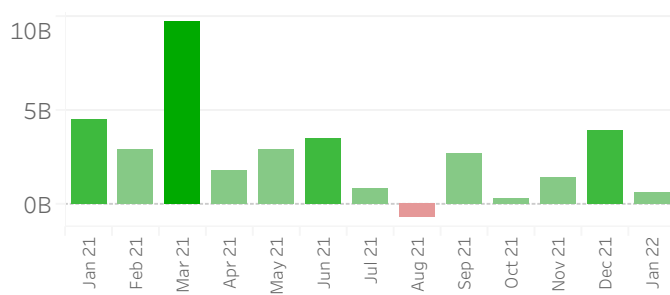
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	2.62%
TUR	iShares MSCI Turkey ETF	2.42%
EPU	iShares MSCI Peru ETF	2.23%
FXI	iShares China Large-Cap ETF	2.15%
ILF	iShares Latin America 40 ETF	2.03%
FLBR	Franklin FTSE Brazil ETF	1.97%
EWZ	iShares MSCI Brazil ETF	1.87%
FNI	First Trust Chindia ETF	1.81%
PGJ	Invesco Golden Dragon China ETF	1.75%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.64%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	74.91
EPOL	iShares MSCI Poland ETF	67.53
EWW	iShares MSCI Mexico ETF	66.11
EPI	WisdomTree India Earnings Fund	65.86
GLIN	VanEck India Growth Leaders ETF	65.53
SMIN	iShares MSCI India Small Cap ETF	64.49
VNM	VanEck Vietnam ETF	63.38
NFTY	First Trust India NIFTY 50 Equal Weight ETF	62.82
KSA	iShares MSCI Saudi Arabia ETF	61.38
DEM	WisdomTree Emerging Markets High Dividend Fund	61.22

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPHE	iShares MSCI Philippines ETF	-1.38%
EWT	iShares MSCI Taiwan ETF	-1.24%
PIE	Invesco DWA Emerging Markets Momentum ETF	-0.79%
EWX	SPDR S&P Emerging Markets Small Cap ETF	-0.12%
THD	iShares MSCI Thailand ETF	-0.09%
ECNS	iShares MSCI China Small-Cap ETF	0.00%
CNYA	iShares MSCI China A ETF	0.07%
ECH	iShares MSCI Chile ETF	0.08%
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Eq..	0.12%
QAT	iShares MSCI Qatar ETF	0.12%

Emerging Most Oversold

Ticker	Fund	Value
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	23.01
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	25.99
EPHE	iShares MSCI Philippines ETF	31.16
CNYA	iShares MSCI China A ETF	35.65
RAYC	Rayliant Quantamental China Equity ETF	37.08
EWZS	iShares MSCI Brazil Small-Cap ETF	37.63
RSX	VanEck Russia ETF	39.48
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	40.29
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	40.66
ECNS	iShares MSCI China Small-Cap ETF	40.68

* 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	-0.29%	-1.65%	-1.39%
SHY	1-3 Year Treasury Bonds	-0.02%	-0.24%	-0.29%
IEF	7-10 Year Treasury Bonds	-0.33%	-2.16%	-1.97%
TLT	20+ Year Treasury Bonds	-0.72%	-5.68%	-4.00%
TIP	TIPS Bonds	-0.12%	-1.80%	-2.30%
FLOT	Floating Rate Bonds	0.02%	0.09%	-0.08%
LQD	Investment Grade Corporate	-0.43%	-2.75%	-2.11%
HYG	High Yield Corporate	-0.26%	-0.78%	-1.31%
BKLN	Senior Loan	0.14%	0.80%	0.05%
PFF	Preferred & Income Securities	-0.41%	-0.13%	-2.03%
MUB	Municipal Bonds	-0.14%	-0.26%	-0.43%
MBB	MBS	-0.29%	-1.03%	-1.06%
EMB	Dollar Denominated EM Bonds	-0.20%	-2.18%	-2.27%
LEMB	Local Currency EM Bond	0.50%	0.18%	-0.39%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.65%	5.64%	2.51%
DBE	Energy	0.00%	8.85%	4.45%
USO	WTI Crude Oil	-0.39%	9.85%	4.25%
BNO	Brent Crude Oil	-0.05%	9.36%	5.02%
UNG	Natural Gas	1.72%	6.55%	4.24%
UGA	Gasoline	-0.02%	10.15%	3.74%
DBP	Precious Metals	0.60%	0.29%	-2.31%
GLD	Gold	0.46%	0.56%	-1.88%
SLV	Silver	0.54%	-0.91%	-4.14%
PPLT	Platinum	-0.57%	0.64%	-0.76%
PALL	Palladium	3.19%	4.41%	1.95%
DBB	Base Metals	-0.18%	7.49%	1.21%
CPER	Copper	1.13%	1.51%	-1.18%
LD	Lead	-0.80%	5.74%	-1.49%
JJN	Nickel	1.15%	3.05%	-0.33%
JJU	Aluminum	-0.13%	11.29%	3.81%
JJT	Tin	1.51%	3.82%	2.92%
DBA	Agriculture	0.86%	0.30%	0.46%
CORN	Corn	0.59%	2.04%	2.23%
SOYB	Soybeans	1.23%	9.97%	4.75%
WEAT	Wheat	1.25%	-5.92%	-1.08%
CANE	Sugar	-0.45%	-4.52%	-3.48%
BAL	Cotton	-0.11%	8.34%	2.28%
NIB	Cocoa	3.95%	1.21%	-0.48%
JO	Coffee	3.13%	-2.17%	5.95%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.54%	-0.62%	0.12%
UDN	Short Dollar	0.62%	0.47%	-0.12%
FXE	Euro	0.65%	0.79%	-0.14%
FXB	British Pound Sterling	0.49%	2.61%	0.55%
FXF	Swiss Franc	0.37%	0.56%	-0.75%
FXJ	Japanese Yen	0.31%	-1.80%	-0.33%
FXC	Canadian Dollar	0.72%	0.01%	0.00%
FXA	Australian Dollar	0.25%	0.84%	-1.18%

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