

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

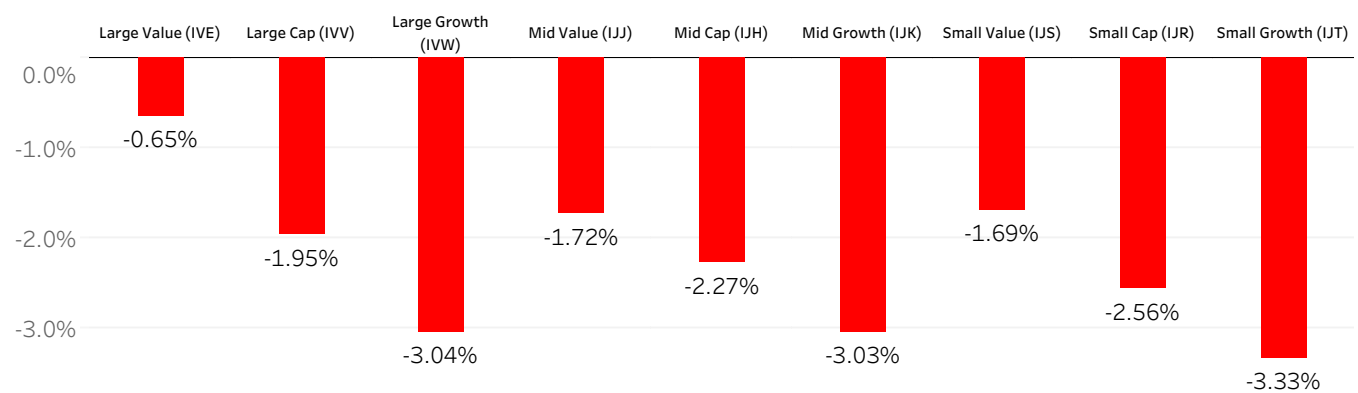


Small Cap Blend (S&P 600) IJR



■ 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
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.32%
CSML	IQ Chaikin U.S. Small Cap ETF	0.24%
FDL	First Trust Morningstar Dividend Leaders Index Fund	0.19%
HDV	iShares Core High Dividend ETF	0.09%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.02%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.09%
DURA	VanEck Morningstar Durable Dividend ETF	-0.10%
DHS	WisdomTree U.S. High Dividend Fund	-0.11%
LVHD	Legg Mason Low Volatility High Dividend ETF	-0.12%
DVY	iShares Select Dividend ETF	-0.20%

Size & Style Most Overbought

Ticker	Fund	Value
FDL	First Trust Morningstar Dividend Leaders Index Fund	74.04
DHS	WisdomTree U.S. High Dividend Fund	72.81
PEY	Invesco High Yield Equity Dividend Achievers ETF	71.93
RDIV	Invesco S&P Ultra Dividend Revenue ETF	70.87
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	70.64
DJD	Invesco Dow Jones Industrial Average Dividend ETF	70.01
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	69.88
HDV	iShares Core High Dividend ETF	69.51
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	68.63
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	68.57

Size & Style 1-Day Performance Laggards

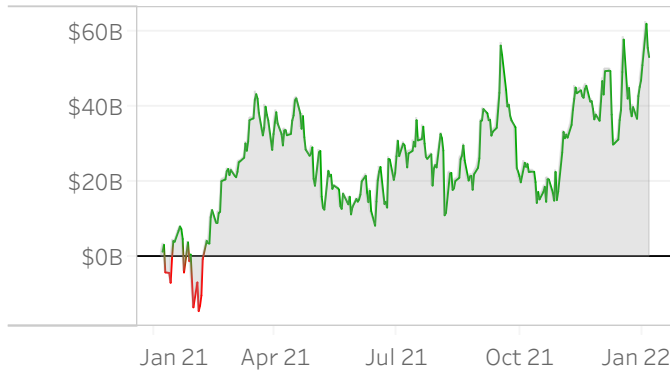
Ticker	Fund	Performance
IPO	Renaissance IPO ETF	-5.22%
FFTY	Innovator IBD 50 ETF	-4.71%
BUZZ	VanEck Social Sentiment ETF	-4.71%
QQQN	VictoryShares Nasdaq Next 50 ETF	-4.53%
VTWG	Vanguard Russell 2000 Growth ETF	-4.39%
IWO	iShares Russell 2000 Growth ETF	-4.36%
QQH	HCM Defender 100 Index ETF	-4.29%
FYC	First Trust Small Cap Growth AlphaDEX Fund	-4.25%
VBK	Vanguard Small-Cap Growth ETF	-4.21%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-4.17%

Size & Style Most Oversold

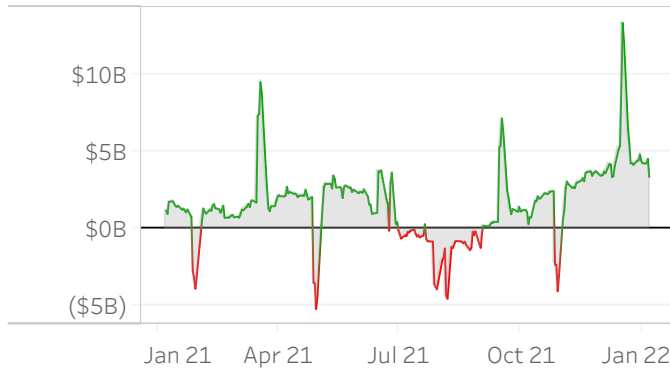
Ticker	Fund	Value
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy..	21.56
NUMG	Nuveen ESG Mid-Cap Growth ETF	26.68
TTAC	FCF US Quality ETF	29.32
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovati..	29.99
IPO	Renaissance IPO ETF	30.27
BIBL	Inspire 100 ETF	31.96
AIEQ	AI Powered Equity ETF	32.07
MMLG	First Trust Multi-Manager Large Growth ETF	32.51
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight E..	32.68
SQEW	LeaderShares Equity Skew ETF	33.08

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

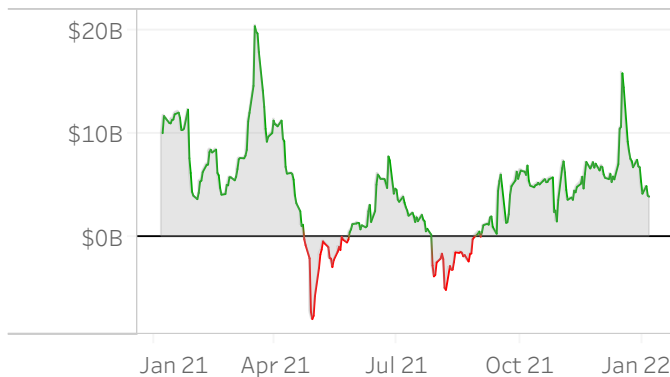
Large-Cap 30-Day Rolling Flows



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	\$1,433B	\$4.03B	\$68.10B	\$97.79B	\$151.54B
Large Cap, Beta Growth, Beta: Growth	10	\$281B	\$0.58B	\$4.83B	\$10.76B	\$9.77B
Mid Cap, Beta, Beta: Growth	6	\$41B	\$0.01B	\$1.00B	\$1.01B	(\$1.36B)
Small Cap, Beta, Beta: Value	7	\$60B	\$0.01B	\$0.51B	(\$0.22B)	\$6.68B
Mid Cap, Beta, Beta	10	\$200B	(\$0.05B)	\$6.43B	\$6.90B	\$12.31B
Large Cap, Beta Growth, Beta: Value	11	\$220B	(\$0.06B)	\$6.53B	\$10.16B	\$30.19B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.11B)	\$0.86B	\$1.23B	\$1.31B
Mid Cap, Beta, Beta: Value	6	\$44B	(\$0.20B)	\$0.43B	\$0.58B	\$3.42B
Small Cap, Beta, Beta	12	\$231B	(\$0.39B)	\$7.30B	\$11.71B	\$20.90B

U.S. Size & Style Flow Leaders

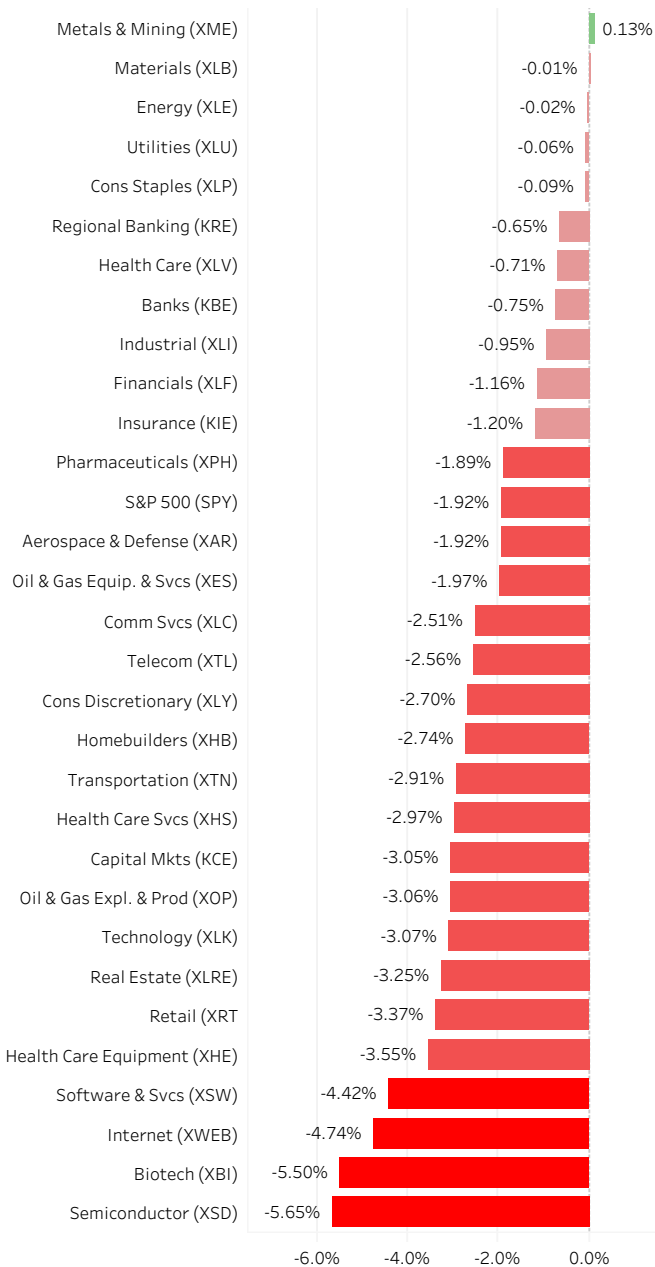
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$2.70B	\$29.18B	\$36.82B	\$37.42B	\$457.91B
IVV	iShares Core S&P 500 ETF	\$1.47B	\$17.58B	\$17.10B	\$29.29B	\$337.54B
VTI	Vanguard Total Stock Market ETF	\$1.03B	\$12.89B	\$24.32B	\$44.54B	\$300.89B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.63B	\$1.23B	\$0.84B	(\$0.18B)	\$9.56B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.61B	\$0.27B	(\$1.09B)	\$1.81B	\$31.23B
SCHD	Schwab US Dividend Equity ETF	\$0.26B	\$1.17B	\$3.47B	\$10.02B	\$31.87B
VTV	Vanguard Value ETF	\$0.26B	\$2.82B	\$5.22B	\$15.38B	\$94.35B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.20B	\$1.56B	\$2.18B	\$3.64B	\$16.45B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.20B	\$0.90B	\$1.33B	\$7.55B	\$32.40B
VUG	Vanguard Growth ETF	\$0.19B	\$0.38B	\$1.98B	\$3.60B	\$90.07B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$0.82B)	\$0.08B	\$1.98B	\$1.55B	\$69.48B
IWD	iShares Russell 1000 Value ETF	(\$0.61B)	\$2.51B	\$2.55B	\$5.30B	\$60.32B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.49B)	(\$0.41B)	(\$0.38B)	(\$0.31B)	\$3.74B
PDP	Invesco DWA Momentum ETF	(\$0.35B)	(\$0.01B)	(\$0.01B)	(\$0.27B)	\$1.83B
QQQ	Invesco QQQ Trust	(\$0.34B)	\$11.44B	\$15.55B	\$22.40B	\$214.13B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.33B)	(\$0.20B)	\$0.05B	\$0.24B	\$4.13B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.22B)	(\$0.57B)	(\$0.34B)	\$1.14B	\$8.91B
VOO	Vanguard S&P 500 ETF	(\$0.21B)	\$5.02B	\$18.85B	\$46.34B	\$280.92B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.17B)	\$0.55B	(\$0.53B)	\$0.01B	\$22.09B
USMC	Principal U.S. Mega-Cap ETF	(\$0.12B)	(\$0.46B)	(\$0.43B)	(\$0.46B)	\$1.76B

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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	-0.02%	50.53%	4.68%	12.13%	65.92
XLP	Consumer Staples Select Sector SPDR Fund	-0.09%	22.51%	5.30%	8.67%	71.25
XLB	Materials Select Sector SPDR Fund	-0.10%	28.14%	2.92%	6.88%	60.61
XLI	Industrial Select Sector SPDR Fund	-1.02%	25.08%	1.20%	2.86%	56.02
XLF	Financial Select Sector SPDR Fund	-1.28%	38.51%	1.86%	6.07%	59.03
XLV	Utilities Select Sector SPDR Fund	-1.36%	20.99%	3.21%	5.92%	58.64
SPY	SPDR S&P 500 ETF Trust	-1.95%	26.57%	0.41%	6.47%	49.10
XLV	Health Care Select Sector SPDR Fund	-3.44%	23.30%	1.24%	5.63%	47.68
XLV	Consumer Discretionary Select Sector SPDR Fund	-3.80%	30.52%	-0.50%	9.67%	49.93
XLRE	Real Estate Select Sector SPDR Fund	-4.52%	37.04%	0.79%	7.76%	45.95
XLK	Technology Select Sector SPDR Fund	-4.72%	33.77%	-0.56%	9.71%	44.44
XLC	Communication Services Select Sector SPDR Fund	-11.57%	14.47%	-2.86%	-4.73%	40.26

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	0.58%
IYK	iShares U.S. Consumer Staples ETF	0.19%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	0.19%
XME	SPDR S&P Metals & Mining ETF	0.13%
PSL	Invesco DWA Consumer Staples Momentum ETF	0.01%
PBJ	Invesco Dynamic Food & Beverage ETF	0.00%
XLB	Materials Select Sector SPDR Fund	-0.01%
XLE	Energy Select Sector SPDR Fund	-0.02%
FXG	First Trust Consumer Staples AlphaDEX Fund	-0.03%
XLU	Utilities Select Sector SPDR Fund	-0.06%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYK	iShares U.S. Consumer Staples ETF	77.89
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	74.21
FXG	First Trust Consumer Staples AlphaDEX Fund	73.75
VDC	Vanguard Consumer Staples ETF	73.07
XLP	Consumer Staples Select Sector SPDR Fund	71.25
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	71.10
PBJ	Invesco Dynamic Food & Beverage ETF	71.10
KBWY	Invesco KBW Premium Yield Equity REIT ETF	68.70
DFRA	Donoghue Forlines Yield Enhanced Real Asset ETF	68.50
PSCC	Invesco S&P SmallCap Consumer Staples ETF	67.20

Sector & Industry 1 Day Performance Laggards

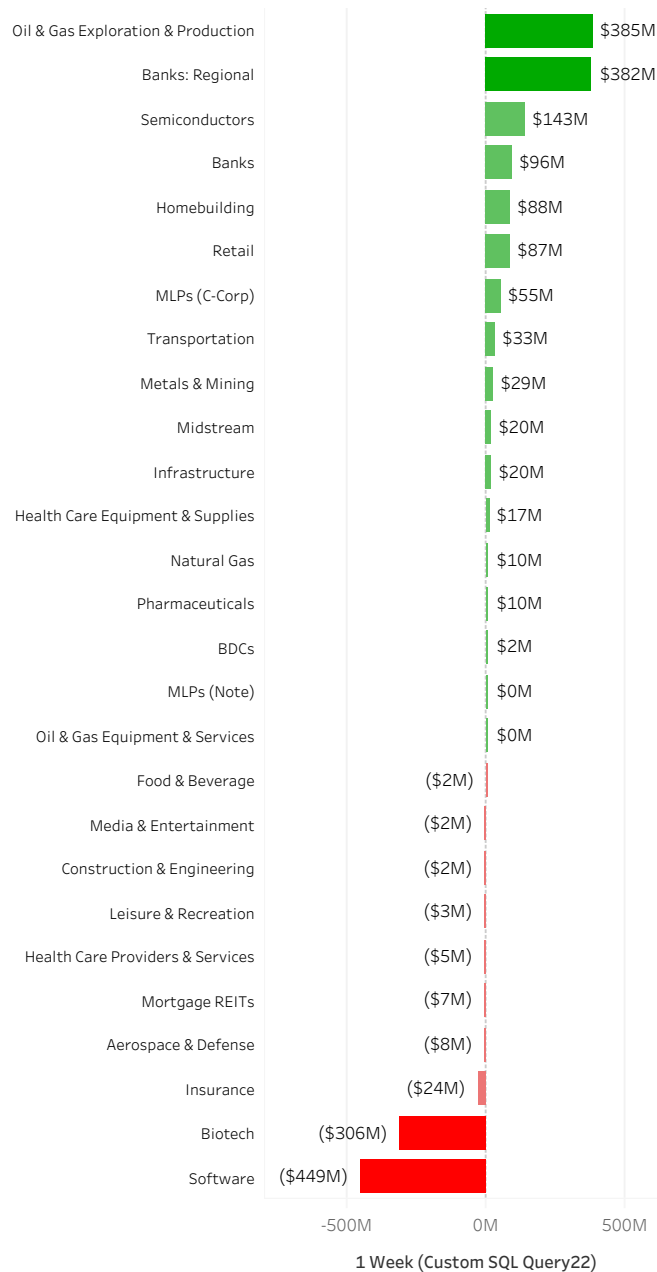
Ticker	Fund	1 Day Performance
PTF	Invesco DWA Technology Momentum ETF	-5.81%
XSD	SPDR S&P Semiconductor ETF	-5.65%
XBI	SPDR S&P BIOTECH ETF	-5.50%
PSJ	Invesco Dynamic Software ETF	-5.12%
IGV	iShares Expanded Tech-Software Sector ETF	-4.93%
XSW	SPDR S&P Software & Services ETF	-4.42%
PSI	Invesco Dynamic Semiconductors ETF	-4.36%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-4.22%
FND	First Trust Dow Jones Internet Index Fund	-4.16%
PNQI	Invesco NASDAQ Internet ETF	-4.15%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSJ	Invesco Dynamic Software ETF	27.29
IGV	iShares Expanded Tech-Software Sector ETF	29.09
IBB	iShares Biotechnology ETF	30.61
FND	First Trust Dow Jones Internet Index Fund	31.10
PNQI	Invesco NASDAQ Internet ETF	31.20
PBE	Invesco Dynamic Biotechnology & Genome ETF	33.09
PTH	Invesco DWA Healthcare Momentum ETF	34.57
XBI	SPDR S&P BIOTECH ETF	34.72
XSW	SPDR S&P Software & Services ETF	34.82
FBT	First Trust NYSE Arca Biotechnology Index Fund	35.21

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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	(\$179M)	(\$692M)	\$949M	\$1,006M
Consumer Discretionary	13	\$39B	(\$113M)	\$1,311M	\$362M	\$2,351M
Consumer Staples	12	\$23B	\$199M	\$960M	\$1,755M	(\$1,352M)
Energy	34	\$59B	\$1,342M	\$2,072M	\$1,984M	\$10,456M
Financials	28	\$87B	\$1,142M	\$3,296M	\$3,397M	\$20,571M
Health Care	26	\$93B	\$410M	\$4,909M	\$6,963M	\$5,747M
Industrial	14	\$36B	\$100M	(\$971M)	(\$3,509M)	\$24M
Materials	10	\$17B	\$266M	\$101M	(\$2,254M)	\$3,847M
Multi-Sector	19	\$27B	\$83M	\$1,754M	\$2,113M	\$4,784M
Real Estate	22	\$86B	\$1,106M	\$3,747M	\$6,949M	\$14,145M
Technology	24	\$159B	(\$303M)	\$4,161M	\$7,113M	\$5,840M
Utilities	10	\$21B	\$81M	\$83M	\$550M	\$39M

U.S. Sector & Industry Flow Leaders

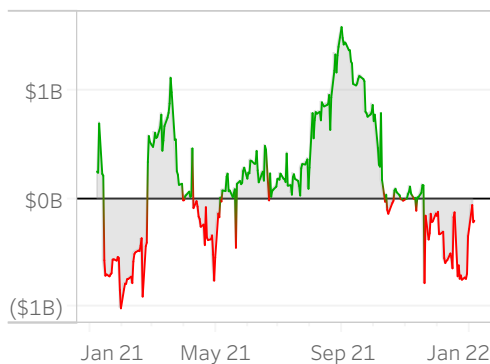
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$818M	\$3,019M	\$2,444M	\$10,674M	\$47,266M
XLE	Energy Select Sector SPDR Fund	\$746M	\$306M	\$911M	\$5,824M	\$28,916M
XLV	Health Care Select Sector SPDR Fund	\$634M	\$3,440M	\$4,428M	\$4,431M	\$35,464M
VNQ	Vanguard Real Estate ETF	\$451M	\$2,129M	\$2,485M	\$6,621M	\$49,837M
IYR	iShares U.S. Real Estate ETF	\$428M	(\$388M)	\$484M	\$1,124M	\$7,521M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$382M	(\$158M)	(\$95M)	\$11M	\$4,229M
KRE	SPDR S&P Regional Banking ETF	\$373M	(\$11M)	(\$98M)	\$2,312M	\$5,515M
XLB	Materials Select Sector SPDR Fund	\$226M	\$13M	(\$1,500M)	\$1,578M	\$8,401M
XLP	Consumer Staples Select Sector SPDR Fund	\$181M	\$576M	\$1,149M	(\$1,309M)	\$13,569M
XLRE	Real Estate Select Sector SPDR Fund	\$144M	\$1,274M	\$2,097M	\$2,847M	\$6,251M

U.S. Sector & Industry Flow Laggards

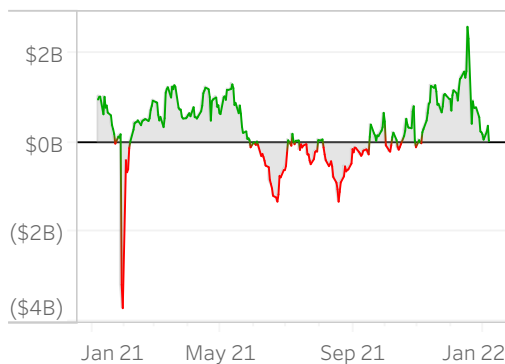
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$446M)	\$217M	\$648M	(\$887M)	\$5,383M
XBI	SPDR S&P BIOTECH ETF	(\$321M)	\$1,046M	\$851M	\$1,869M	\$6,844M
XLC	Communication Services Select Sector SPDR Fu..	(\$183M)	(\$558M)	\$572M	\$184M	\$14,090M
FXO	First Trust Financials AlphaDEX Fund	(\$137M)	\$113M	\$127M	\$578M	\$1,576M
PTF	Invesco DWA Technology Momentum ETF	(\$126M)	\$41M	\$65M	(\$27M)	\$372M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$116M)	\$877M	\$367M	\$223M	\$23,950M
PJP	Invesco Dynamic Pharmaceuticals ETF	(\$79M)	(\$93M)	(\$11M)	(\$37M)	\$357M
FXL	First Trust Technology AlphaDEX Fund	(\$66M)	(\$905M)	(\$861M)	(\$1,112M)	\$1,892M
PEZ	Invesco DWA Consumer Cyclical Momentum E..	(\$52M)	\$38M	\$27M	\$85M	\$145M
PXI	Invesco DWA Energy Momentum ETF	(\$36M)	\$56M	(\$52M)	\$97M	\$141M

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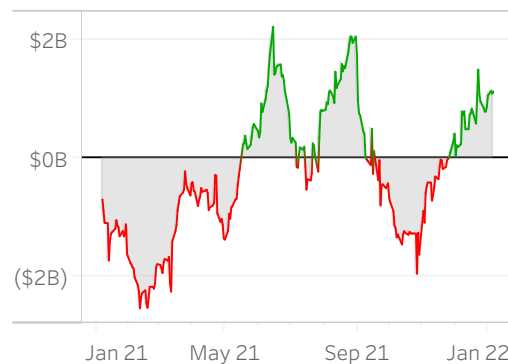
Communication Services



Consumer Discretionary



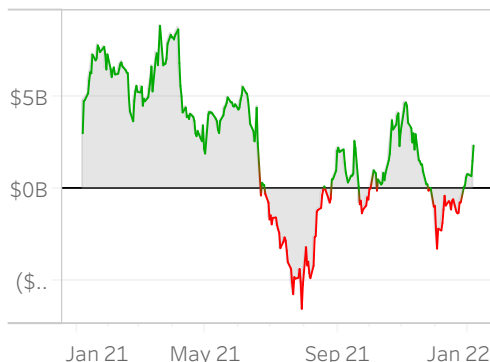
Consumer Staples



Energy



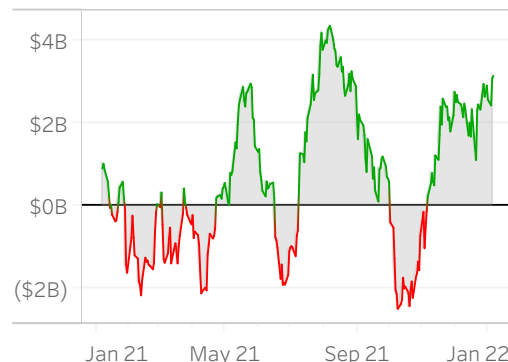
Financials



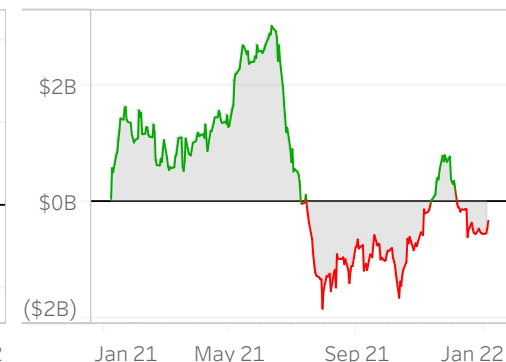
Industrial



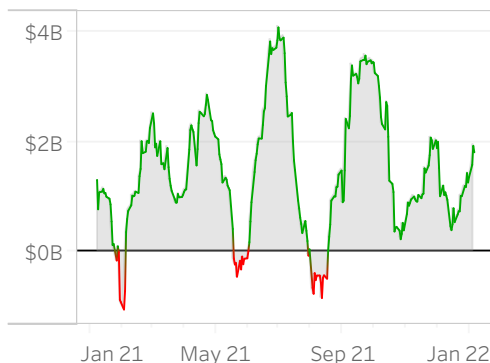
Health Care



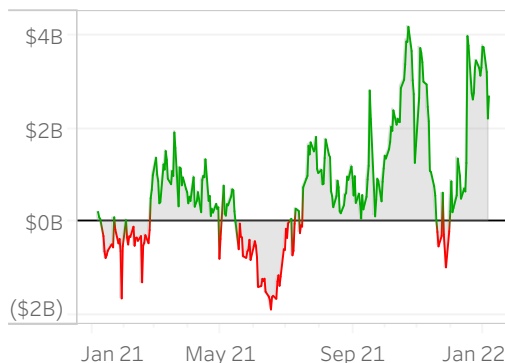
Materials



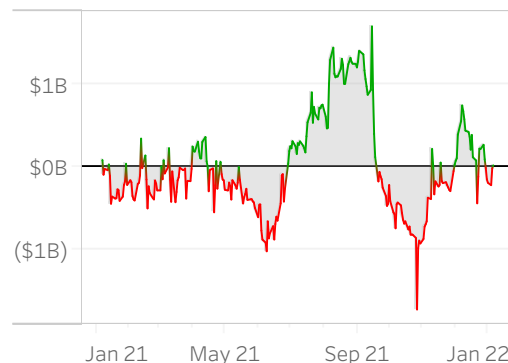
Real Estate



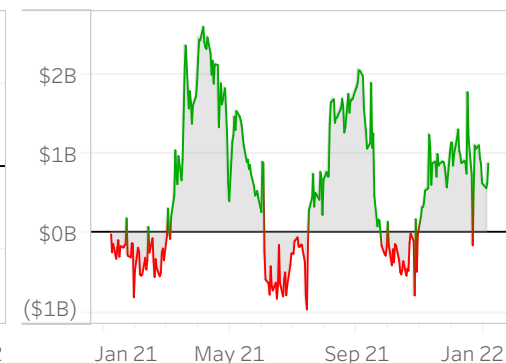
Technology



Utilities

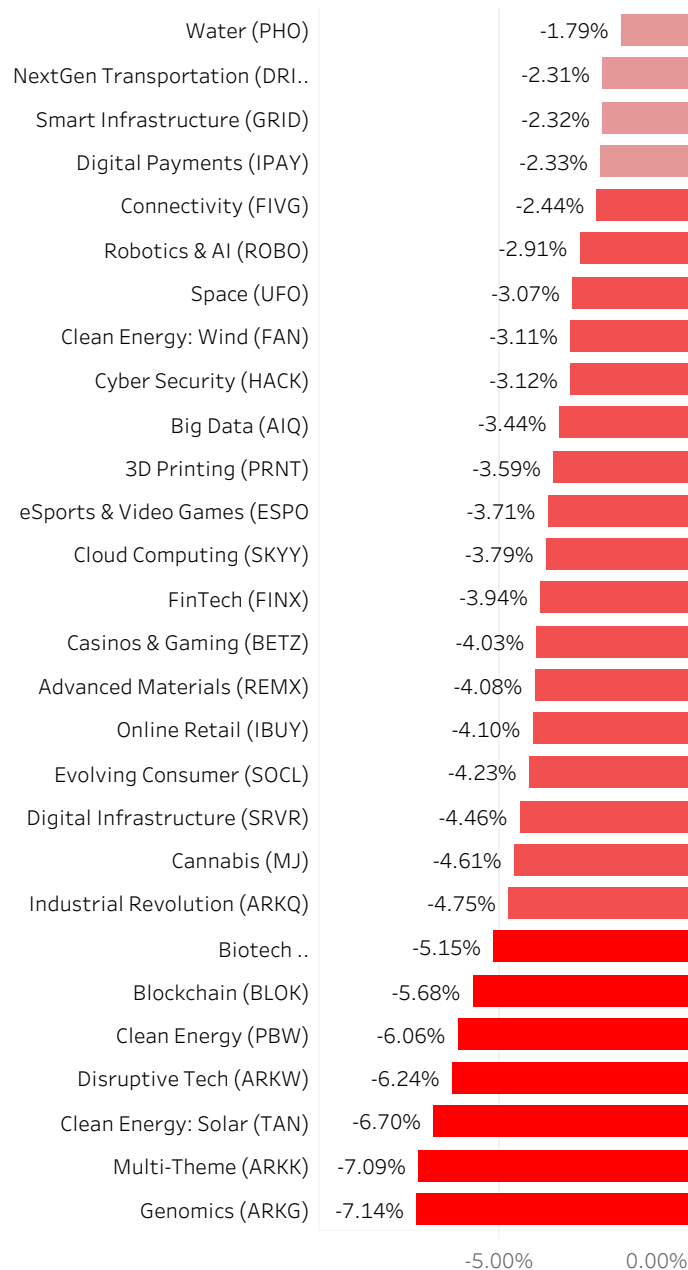


Multi-Sector

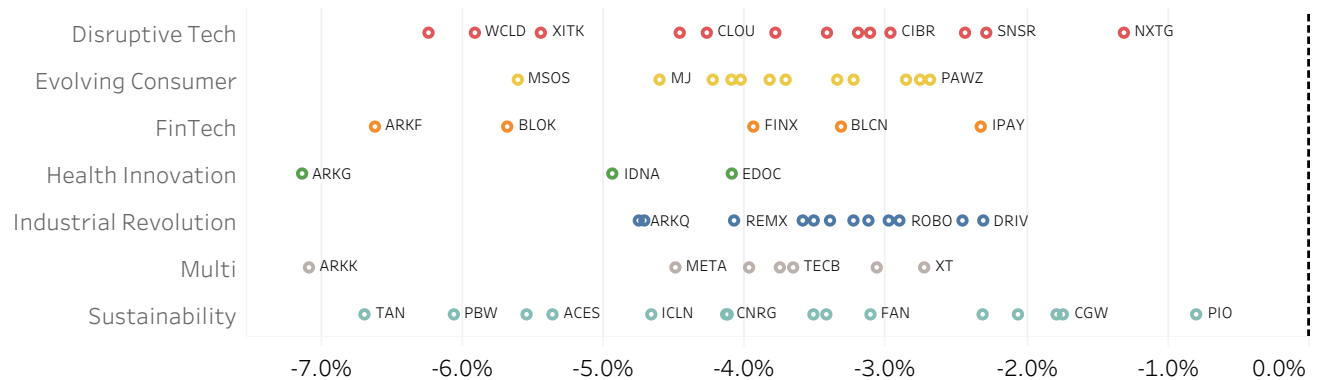


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PIO	Invesco Global Water ETF	-0.81%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-1.22%
NXTG	First Trust Indxx NextG ETF	-1.32%
KLDW	Knowledge Leaders Developed World ETF	-1.52%
EBLU	Ecofin Global Water ESG Fund	-1.54%
CGW	Invesco S&P Global Water Index ETF	-1.75%
PHO	Invesco Water Resources ETF	-1.79%
AGNG	Global X Aging Population ETF	-1.89%
FIW	First Trust Water ETF	-2.07%
SNSR	Global X Internet of Things ETF	-2.29%

Thematic Most Overbought

Ticker	Fund	Price
LEGR	First Trust Indxx Innovative Transaction & Process ETF	54.51
DRIV	Global X Autonomous & Electric Vehicles ETF	53.42
IDRV	iShares Self-driving EV & Tech ETF	51.73
NXTG	First Trust Indxx NextG ETF	49.14
REMX	VanEck Rare Earth/Strategic Metals ETF	48.85
PIO	Invesco Global Water ETF	48.67
EBLU	Ecofin Global Water ESG Fund	47.63
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	46.87
AWAY	ETFMG Travel Tech ETF	46.45
FIVG	Defiance Next Gen Connectivity ETF	46.29

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	-8.08%
DAPP	VanEck Digital Transformation ETF	-8.03%
BITQ	Bitwise Crypto Industry Innovators ETF	-7.57%
ARKG	ARK Genomic Revolution ETF	-7.14%
ARKK	ARK Innovation ETF	-7.09%
YOLO	AdvisorShares Pure Cannabis ETF	-6.95%
TAN	Invesco Solar ETF	-6.70%
ARKF	ARK Fintech Innovation ETF	-6.62%
MOON	Direxion Moonshot Innovators ETF	-6.46%
ARKW	ARK Next Generation Internet ETF	-6.24%

Thematic Most Oversold

Ticker	Fund	Price
ENTR	ERShares Entrepreneurs ETF	12.87
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	24.68
CLOU	Global X Cloud Computing ETF	25.02
FINX	Global X FinTech ETF	25.59
BLOK	Amplify Transformational Data Sharing ETF	26.59
DAPP	VanEck Digital Transformation ETF	26.89
ARKF	ARK Fintech Innovation ETF	27.22
WCLD	WisdomTree Cloud Computing Fund	27.77
KEMQ	KraneShares Emerging Markets Consumer Technology In..	27.80
ARKW	ARK Next Generation Internet ETF	29.57

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	\$70M
META	Roundhill Ball Metaverse ETF	\$47M
MSOS	AdvisorShares Pure US Cannabis ETF	\$33M
IDRV	iShares Self-driving EV & Tech ETF	\$28M
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	\$19M
FIW	First Trust Water ETF	\$14M
ROBO	ROBO Global Robotics & Automation Index ETF	\$14M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$12M
BKCH	Global X Blockchain ETF	\$11M
LRNZ	TrueShares Technology; AI & Deep Learning ETF	\$9M

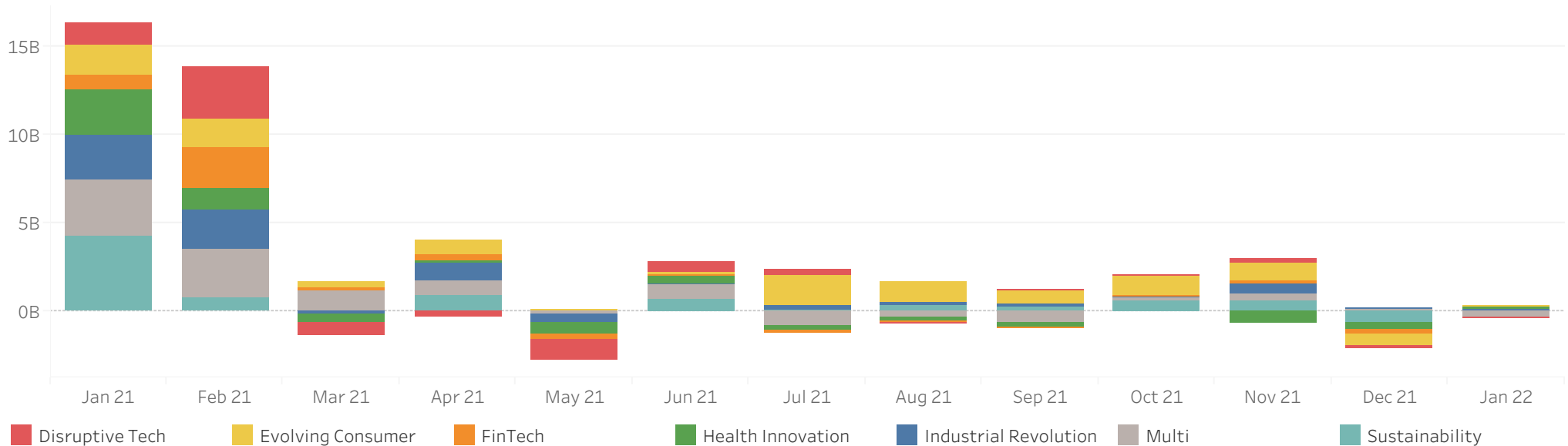
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$281M)
ARKF	ARK Fintech Innovation ETF	(\$102M)
ICLN	iShares Global Clean Energy ETF	(\$53M)
CLOU	Global X Cloud Computing ETF	(\$45M)
WCLD	WisdomTree Cloud Computing Fund	(\$29M)
PBW	Invesco WilderHill Clean Energy ETF	(\$21M)
BLOK	Amplify Transformational Data Sharing ETF	(\$20M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$16M)
PBD	Invesco Global Clean Energy ETF	(\$11M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$10M)

Thematic Landscape Assets & Flows

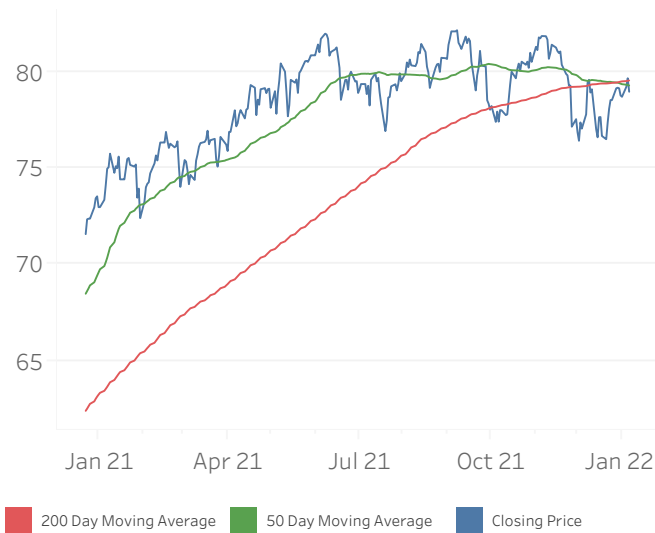
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	38	\$27B	(\$41M)	\$54M	\$370M	\$2,835M
Evolving Consumer	44	\$14B	\$141M	\$1,658M	\$5,091M	\$9,944M
FinTech	19	\$6B	(\$51M)	\$30M	(\$333M)	\$3,003M
Health Innovation	17	\$7B	\$120M	(\$884M)	(\$1,786M)	\$1,435M
Industrial Revolution	25	\$18B	\$62M	\$956M	\$1,427M	\$6,687M
Multi	30	\$25B	(\$194M)	(\$114M)	(\$966M)	\$7,113M
Sustainability	37	\$22B	(\$63M)	\$398M	\$802M	\$7,318M
Grand Total	210	\$120B	(\$25M)	\$2,096M	\$4,605M	\$38,336M

Thematic Monthly Flows

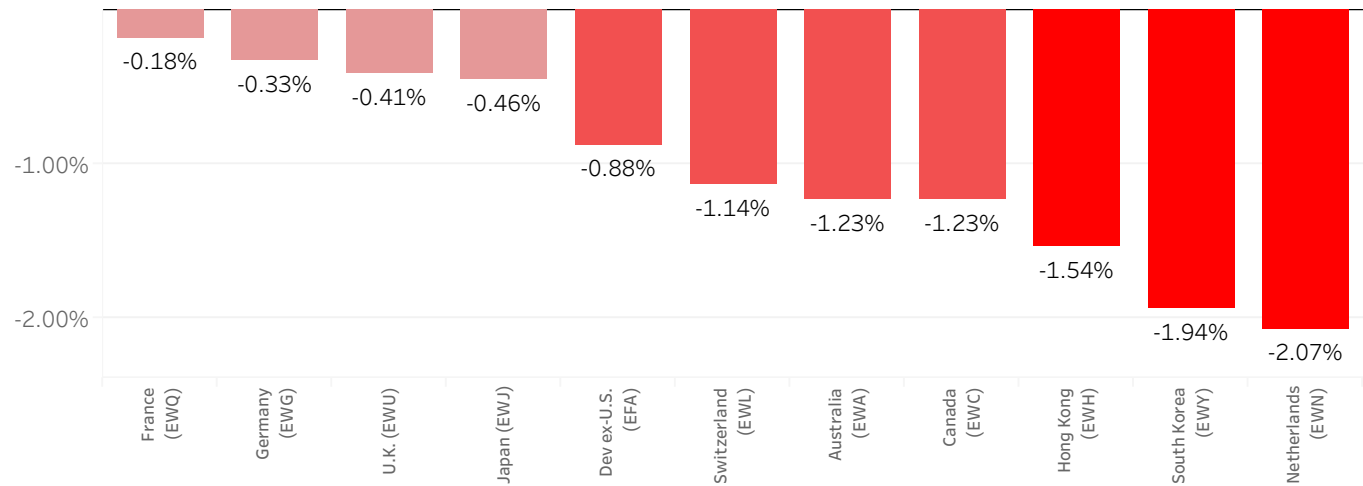


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

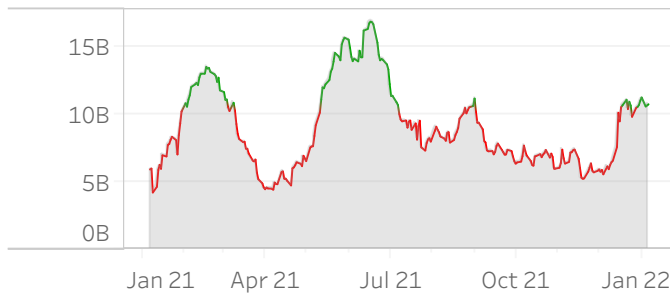
Developed ex-U.S. (EFA)



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



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



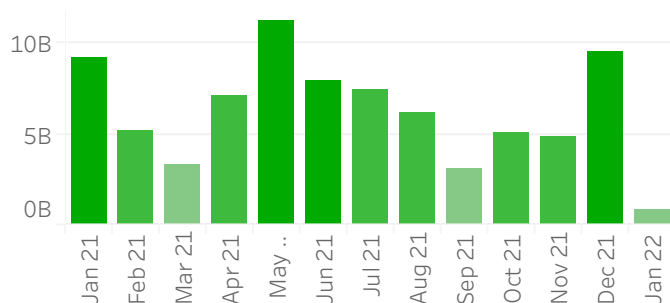
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWJV	iShares MSCI Japan Value ETF	0.36%
IVAL	Alpha Architect International Quantitative Value ETF	0.32%
NORW	Global X MSCI Norway ETF	0.26%
IVLU	iShares MSCI Intl Value Factor ETF	0.10%
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	0.00%
DXJ	WisdomTree Japan Hedged Equity Fund	0.00%
DVYA	iShares Asia/Pacific Dividend ETF	-0.03%
DFIV	Dimensional International Value ETF	-0.06%
FGM	First Trust Germany AlphaDEX Fund	-0.07%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	-0.08%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	66.92
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	66.39
LVHI	Legg Mason International Low Volatility High Dividend ETF	66.04
FDD	First Trust Stoxx European Select Dividend Index Fund	65.78
DTH	WisdomTree International High Dividend Fund	65.19
IDOG	ALPS International Sector Dividend Dogs ETF	64.44
FLGB	Franklin FTSE United Kingdom ETF	64.15
DFIV	Dimensional International Value ETF	63.83
FKU	First Trust United Kingdom AlphaDEX Fund	63.67
IVLU	iShares MSCI Intl Value Factor ETF	62.95

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
ISRA	VanEck Israel ETF	-2.71%
EWN	iShares MSCI Netherlands ETF	-2.07%
AIA	iShares Asia 50 ETF	-2.00%
EWS	iShares MSCI Singapore ETF	-1.97%
EWY	iShares MSCI South Korea ETF	-1.94%
PIZ	Invesco DWA Developed Markets Momentum ETF	-1.90%
EWD	iShares MSCI Sweden ETF	-1.83%
EIS	iShares MSCI Israel ETF	-1.79%
FLKR	Franklin FTSE South Korea ETF	-1.74%
TOK	iShares MSCI Kokusai ETF	-1.71%

Developed ex-U.S. Most Oversold

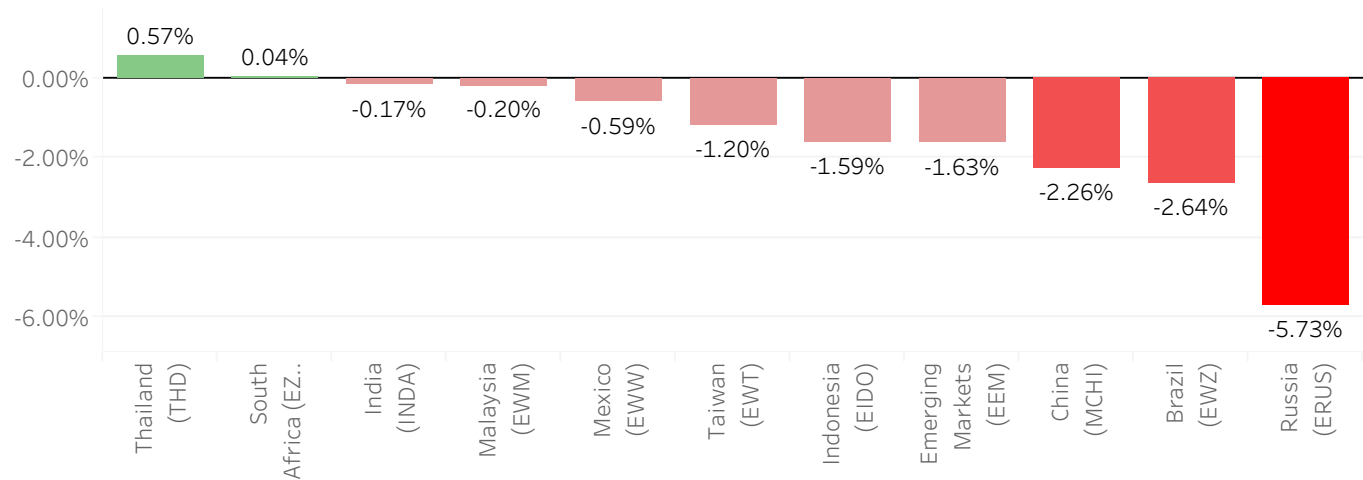
Ticker	Fund	Price
EWS	iShares MSCI Singapore ETF	30.84
EWY	iShares MSCI South Korea ETF	36.26
FLKR	Franklin FTSE South Korea ETF	37.39
EFAD	ProShares MSCI EAFE Dividend Growers ETF	37.84
EWH	iShares MSCI Hong Kong ETF	39.72
RBIN	Nationwide Risk-Based International Equity ETF	39.72
AIA	iShares Asia 50 ETF	40.19
AAXJ	iShares MSCI All Country Asia ex Japan ETF	40.25
PIZ	Invesco DWA Developed Markets Momentum ETF	40.69
IMOM	Alpha Architect International Quantitative Moment..	41.00

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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



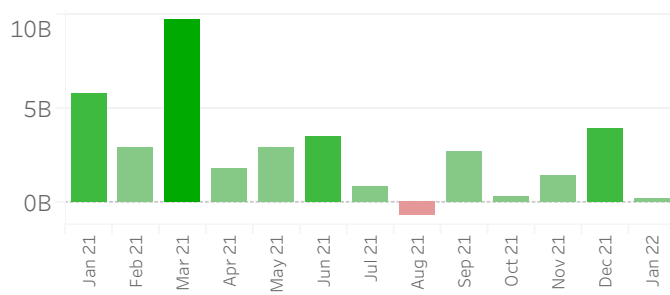
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	1.70%
QAT	iShares MSCI Qatar ETF	1.67%
KSA	iShares MSCI Saudi Arabia ETF	0.73%
THD	iShares MSCI Thailand ETF	0.57%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.32%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.28%
INDY	iShares India 50 ETF	0.06%
EZA	iShares MSCI South Africa ETF	0.04%
EPI	WisdomTree India Earnings Fund	-0.03%
EPU	iShares MSCI Peru ETF	-0.03%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	68.19
VNM	VanEck Vietnam ETF	66.85
GLIN	VanEck India Growth Leaders ETF	62.64
THD	iShares MSCI Thailand ETF	62.51
EWZ	iShares MSCI Mexico ETF	62.26
EPI	WisdomTree India Earnings Fund	60.96
NFTY	First Trust India NIFTY 50 Equal Weight ETF	59.10
EPOL	iShares MSCI Poland ETF	58.69
KSA	iShares MSCI Saudi Arabia ETF	58.63
SMIN	iShares MSCI India Small Cap ETF	58.41

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ERUS	iShares MSCI Russia ETF	-5.73%
RSX	VanEck Russia ETF	-5.30%
EWZS	iShares MSCI Brazil Small-Cap ETF	-4.78%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.97%
ECNS	iShares MSCI China Small-Cap ETF	-2.93%
FLBR	Franklin FTSE Brazil ETF	-2.90%
EWZ	iShares MSCI Brazil ETF	-2.64%
PGJ	Invesco Golden Dragon China ETF	-2.64%
GXC	SPDR S&P China ETF	-2.47%
FNI	First Trust Chindia ETF	-2.30%

Emerging Most Oversold

Ticker	Fund	Value
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	22.97
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	25.78
RSX	VanEck Russia ETF	30.35
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	32.05
ERUS	iShares MSCI Russia ETF	32.75
EWZ	iShares MSCI Brazil ETF	33.42
FLBR	Franklin FTSE Brazil ETF	33.65
EWZS	iShares MSCI Brazil Small-Cap ETF	33.84
FXI	iShares China Large-Cap ETF	34.09
MCHI	iShares MSCI China ETF	34.39

*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	-0.31%	-1.75%	-1.00%
SHY	1-3 Year Treasury Bonds	-0.13%	-0.34%	-0.19%
IEF	7-10 Year Treasury Bonds	-0.42%	-2.46%	-1.40%
TLT	20+ Year Treasury Bonds	-0.54%	-7.30%	-3.56%
TIP	TIPS Bonds	-0.81%	-1.55%	-1.76%
FLOT	Floating Rate Bonds	0.10%	0.15%	0.00%
LQD	Investment Grade Corporate	-0.59%	-2.65%	-1.56%
HYG	High Yield Corporate	-0.77%	0.44%	-1.07%
BKLN	Senior Loan	-0.23%	1.03%	-0.18%
PFF	Preferred & Income Securities	-0.92%	1.08%	-2.16%
MUB	Municipal Bonds	-0.18%	-0.26%	-0.27%
MBB	MBS	-0.30%	-0.83%	-0.64%
EMB	Dollar Denominated EM Bonds	-0.95%	-1.28%	-1.99%
LEMB	Local Currency EM Bond	-0.18%	0.21%	-0.76%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.17%	5.66%	1.50%
DBE	Energy	-0.23%	12.89%	2.52%
USO	WTI Crude Oil	-0.29%	15.48%	1.97%
BNO	Brent Crude Oil	0.14%	14.56%	2.73%
UNG	Natural Gas	2.89%	-3.98%	2.48%
UGA	Gasoline	-0.17%	17.07%	2.47%
DBP	Precious Metals	-0.51%	1.44%	-1.29%
GLD	Gold	-0.30%	1.46%	-1.11%
SLV	Silver	-1.50%	0.72%	-2.37%
PPLT	Platinum	0.76%	5.06%	1.78%
PALL	Palladium	-0.07%	4.03%	-1.24%
DBB	Base Metals	0.00%	7.91%	0.54%
CPER	Copper	-2.05%	2.38%	-1.87%
LD	Lead	-1.15%	4.74%	-2.06%
JJN	Nickel	-1.84%	2.83%	-0.99%
JJU	Aluminum	3.07%	11.35%	3.80%
JJT	Tin	0.15%	0.44%	1.07%
DBA	Agriculture	-0.56%	-0.25%	-0.30%
CORN	Corn	-1.00%	1.58%	1.30%
SOYB	Soybeans	-0.08%	7.79%	3.39%
WEAT	Wheat	-0.95%	-5.06%	-0.95%
CANE	Sugar	-1.64%	0.10%	-2.07%
BAL	Cotton	-0.05%	11.23%	3.11%
NIB	Cocoa	-0.43%	-0.74%	-3.34%
JO	Coffee	-0.69%	-5.07%	2.73%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.12%	0.04%	0.59%
UDN	Short Dollar	0.07%	-0.17%	-0.59%
FXE	Euro	0.24%	-0.09%	-0.60%
FXB	British Pound Sterling	0.16%	2.35%	0.21%
FXF	Swiss Franc	-0.12%	-0.05%	-0.63%
FXJ	Japanese Yen	0.00%	-2.95%	-0.81%
FXC	Canadian Dollar	-0.44%	0.48%	-0.99%
FXA	Australian Dollar	-0.27%	3.04%	-0.62%

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