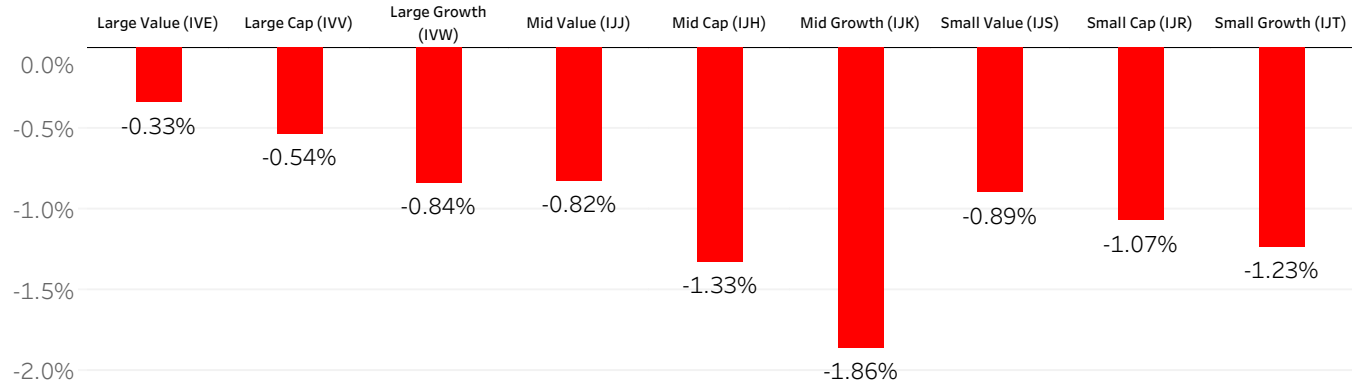


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
FDL	First Trust Morningstar Dividend Leaders Index Fund	0.72%
DIVZ	TrueShares Low Volatility Equity Income ETF	0.69%
DHS	WisdomTree U.S. High Dividend Fund	0.66%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.66%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.62%
RBUS	Nationwide Risk-Based U.S. Equity ETF	0.55%
HDV	iShares Core High Dividend ETF	0.55%
AUSF	Global X Adaptive U.S. Factor ETF	0.51%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.48%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.47%

Size & Style Most Overbought

Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	52.93
FDL	First Trust Morningstar Dividend Leaders Index Fund	51.29
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	50.85
SDOG	ALPS Sector Dividend Dogs ETF	50.63
DHS	WisdomTree U.S. High Dividend Fund	50.30
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	50.22
SPDV	AAM S&P 500 High Dividend Value ETF	49.41
RDIV	Invesco S&P Ultra Dividend Revenue ETF	49.20
EQRR	ProShares Equities for Rising Rates ETF	49.17
WBIY	WBI Power Factor High Dividend ETF	49.06

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	-5.23%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-3.74%
MXDU	Nationwide Maximum Diversification US Core Equity ETF	-3.72%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	-3.18%
TMFS	Motley Fool Small-Cap Growth ETF	-3.02%
TMFM	Motley Fool Mid-Cap Growth ETF	-2.62%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-2.60%
IWP	iShares Russell Mid-Cap Growth ETF	-2.53%
BUZZ	VanEck Social Sentiment ETF	-2.49%
VOT	Vanguard Mid-Cap Growth ETF	-2.47%

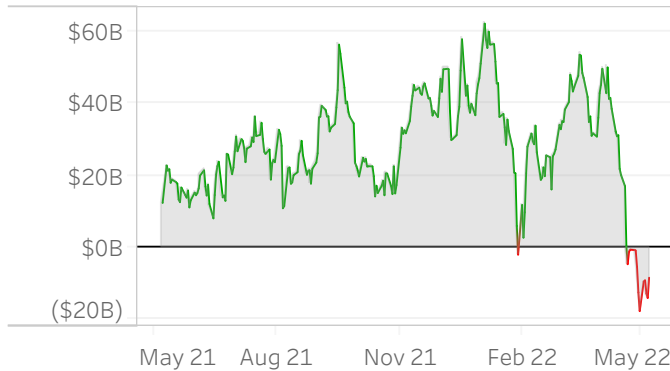
Size & Style Most Oversold

Ticker	Fund	Price
MXDU	Nationwide Maximum Diversification US Core Equit..	25.44
PABU	iShares Paris-Aligned Climate MSCI USA ETF	27.54
FFTY	Innovator IBD 50 ETF	27.75
TMFM	Motley Fool Mid-Cap Growth ETF	30.10
LCG	Sterling Capital Focus Equity ETF	30.50
IPO	Renaissance IPO ETF	30.89
TMFS	Motley Fool Small-Cap Growth ETF	30.91
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index ..	32.85
LGH	HCM Defender 500 Index ETF	33.03
FPX	First Trust US Equity Opportunities ETF	33.31

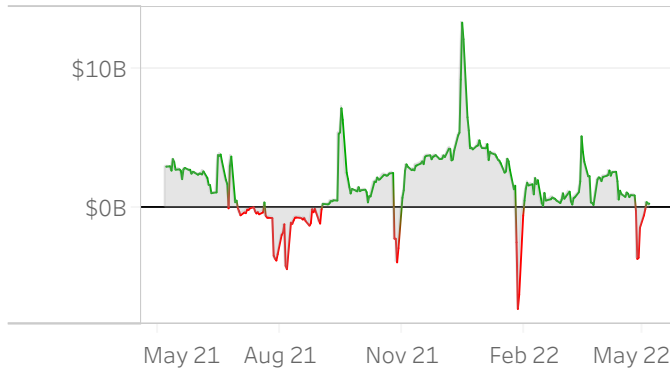
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

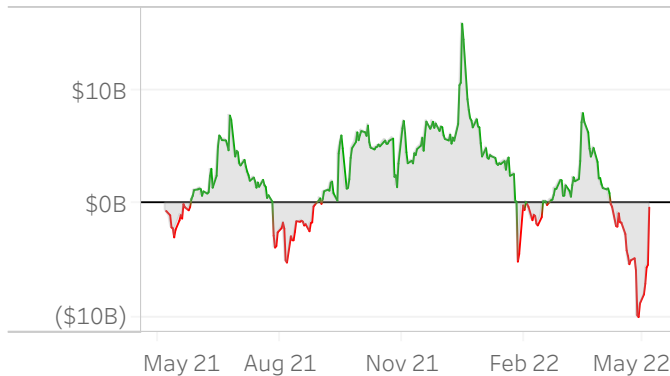
Large-Cap 30-Day Rolling Flows



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	26	\$1,241B	(\$3.36B)	(\$5.44B)	\$32.61B	\$113.28B
Large Cap, Beta Growth, Beta: Growth	10	\$229B	\$0.14B	\$3.89B	\$4.03B	\$14.06B
Large Cap, Beta Growth, Beta: Value	11	\$222B	\$0.40B	\$3.66B	\$16.28B	\$27.68B
Mid Cap, Beta, Beta	10	\$182B	(\$0.26B)	\$0.65B	\$7.69B	\$10.12B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.02B	(\$0.51B)	(\$0.49B)	(\$0.52B)
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.17B)	(\$0.10B)	\$0.11B	\$1.03B
Small Cap, Beta, Beta	12	\$199B	\$0.16B	(\$0.88B)	\$1.15B	\$10.89B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.13B	\$0.35B	\$0.92B	\$0.90B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.17B)	(\$3.67B)	(\$2.37B)	(\$1.97B)

U.S. Size & Style Flow Leaders

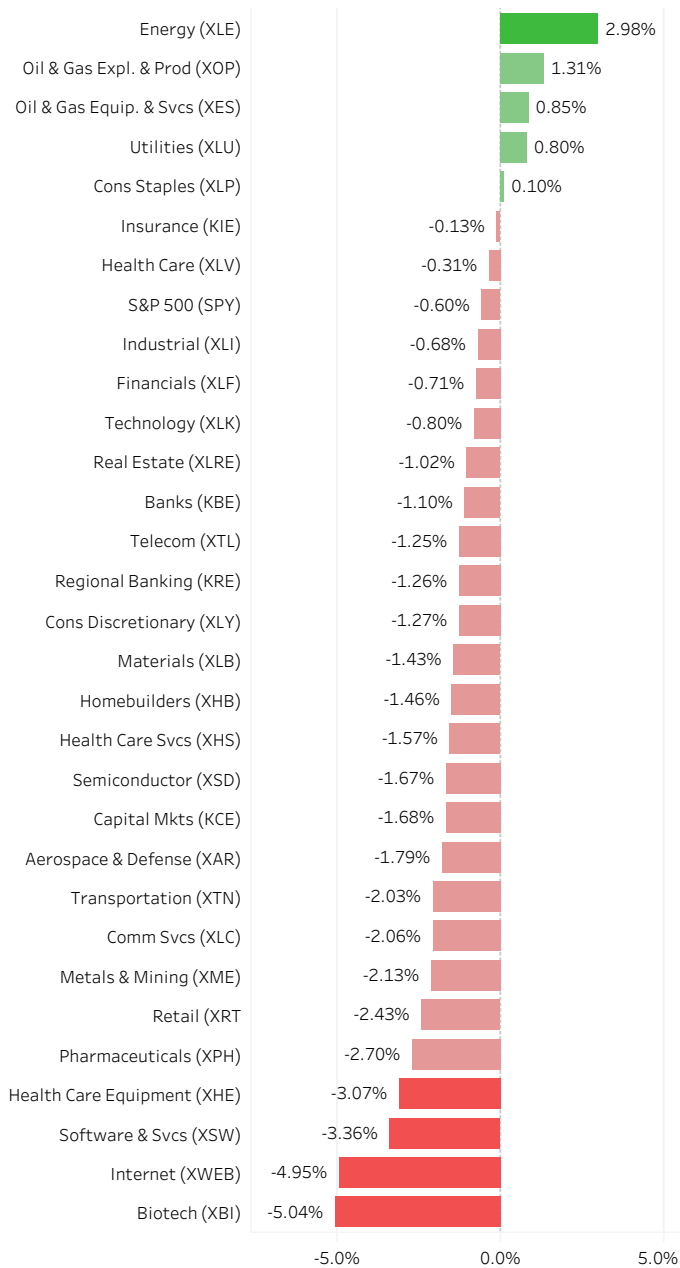
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWB	iShares Russell 1000 ETF	\$0.47B	\$0.22B	\$0.64B	\$0.31B	\$29.14B
VTI	Vanguard Total Stock Market ETF	\$0.41B	\$5.80B	\$19.40B	\$40.49B	\$267.12B
COWZ	Pacer US Cash Cows 100 ETF	\$0.29B	\$2.75B	\$3.85B	\$4.34B	\$4.96B
VTV	Vanguard Value ETF	\$0.29B	\$2.92B	\$11.76B	\$18.34B	\$99.91B
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ..	\$0.26B	\$0.21B	\$0.21B	\$0.21B	\$1.55B
VUG	Vanguard Growth ETF	\$0.24B	\$2.89B	\$2.94B	\$5.85B	\$72.81B
QQQM	Invesco NASDAQ 100 ETF	\$0.23B	\$0.95B	\$2.30B	\$3.93B	\$4.33B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	\$0.21B	\$0.78B	\$1.33B	\$2.85B	\$6.81B
IVE	iShares S&P 500 Value ETF	\$0.18B	\$1.11B	\$2.34B	\$2.41B	\$25.48B
VIG	Vanguard Dividend Appreciation ETF	\$0.15B	\$1.50B	\$2.67B	\$4.71B	\$63.59B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$3.76B)	(\$3.03B)	(\$4.72B)	\$14.75B	\$371.53B
QQQ	Invesco QQQ Trust	(\$0.43B)	\$3.64B	\$7.33B	\$24.08B	\$178.60B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.38B)	(\$0.50B)	(\$0.55B)	(\$1.73B)	\$18.48B
IVV	iShares Core S&P 500 ETF	(\$0.27B)	(\$3.28B)	\$7.85B	\$18.97B	\$304.35B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.27B)	\$1.39B	\$3.65B	\$5.55B	\$33.30B
IVW	iShares S&P 500 Growth ETF	(\$0.17B)	(\$0.18B)	(\$0.86B)	(\$0.39B)	\$32.62B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.13B)	\$0.15B	(\$1.04B)	(\$0.93B)	\$7.82B
IWN	iShares Russell 2000 Value ETF	(\$0.12B)	(\$1.60B)	(\$1.97B)	(\$2.79B)	\$13.19B
IUS	Invesco RAFI Strategic US ETF	(\$0.12B)	(\$0.07B)	(\$0.05B)	(\$0.05B)	\$0.13B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.11B)	(\$0.70B)	(\$0.34B)	(\$0.25B)	\$14.07B

* 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%	81.09%	8.16%	34.37%	63.05
XLP	Consumer Staples Select Sector SPDR Fund	-4.78%	11.51%	0.52%	3.70%	45.59
XLU	Utilities Select Sector SPDR Fund	-6.17%	14.20%	-0.88%	4.62%	44.86
XLB	Materials Select Sector SPDR Fund	-6.71%	6.85%	-1.92%	-1.26%	43.06
XLV	Health Care Select Sector SPDR Fund	-9.14%	6.96%	-3.65%	-2.61%	39.54
XLI	Industrial Select Sector SPDR Fund	-10.83%	0.40%	-4.42%	-6.58%	39.69
XLRE	Real Estate Select Sector SPDR Fund	-13.47%	5.88%	-5.69%	-5.57%	34.44
SPY	SPDR S&P 500 ETF Trust	-13.89%	0.00%	-5.63%	-8.23%	38.91
XLF	Financial Select Sector SPDR Fund	-16.13%	0.67%	-6.84%	-9.97%	37.04
XLK	Technology Select Sector SPDR Fund	-20.42%	3.22%	-6.43%	-11.14%	41.53
XLY	Consumer Discretionary Select Sector SPDR Fund	-25.20%	0.00%	-10.16%	-15.56%	34.17
XLC	Communication Services Select Sector SPDR Fund	-31.01%	1.00%	-9.85%	-21.21%	38.06

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.18%
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.06%
XLE	Energy Select Sector SPDR Fund	2.98%
IYE	iShares U.S. Energy ETF	2.53%
VDE	Vanguard Energy ETF	2.52%
FENY	Fidelity MSCI Energy Index ETF	2.50%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.40%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.30%
FXN	First Trust Energy AlphaDEX Fund	2.27%
PXI	Invesco DWA Energy Momentum ETF	2.23%

Sector & Industry Most Overbought

Ticker	Fund	Technical Value
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	64.05
XLE	Energy Select Sector SPDR Fund	63.05
RYE	Invesco S&P 500 Equal Weight Energy ETF	62.92
PXE	Invesco Dynamic Energy Exploration & Production ETF	62.31
IYE	iShares U.S. Energy ETF	62.04
VDE	Vanguard Energy ETF	61.63
FENY	Fidelity MSCI Energy Index ETF	61.56
FXN	First Trust Energy AlphaDEX Fund	61.07
FTXN	First Trust Nasdaq Oil & Gas ETF	59.94
PXI	Invesco DWA Energy Momentum ETF	58.44

Sector & Industry 1 Day Performance Laggards

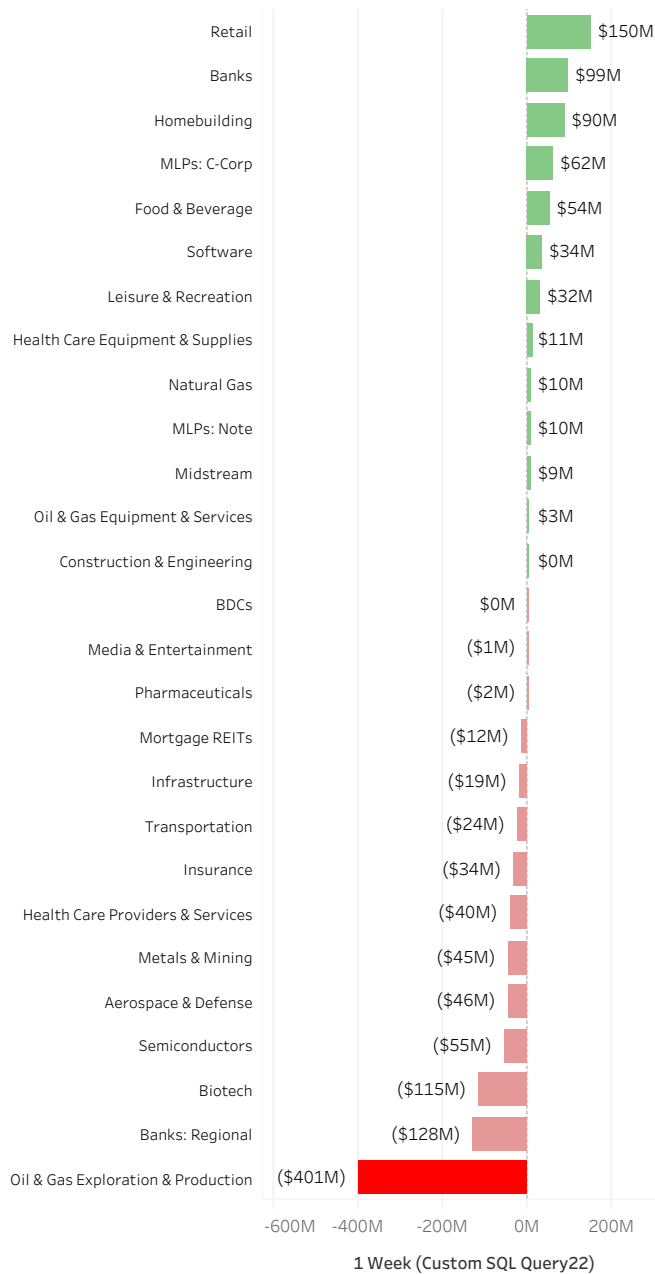
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-5.04%
IBB	iShares Biotechnology ETF	-3.57%
XSW	SPDR S&P Software & Services ETF	-3.36%
IGV	iShares Expanded Tech-Software Sector ETF	-3.12%
XHE	SPDR S&P Health Care Equipment ETF	-3.07%
FDN	First Trust Dow Jones Internet Index Fund	-2.93%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-2.87%
PSJ	Invesco Dynamic Software ETF	-2.76%
XPH	SPDR S&P Pharmaceuticals ETF	-2.70%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-2.65%

Sector & Industry Most Oversold

Ticker	Fund	Technical Value
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	27.14
PJP	Invesco Dynamic Pharmaceuticals ETF	28.25
XPH	SPDR S&P Pharmaceuticals ETF	28.35
REZ	iShares Residential and Multisector Real Estate ETF	28.62
PSCH	Invesco S&P SmallCap Health Care ETF	29.28
NURE	Nuveen Short-Term REIT ETF	29.32
XHE	SPDR S&P Health Care Equipment ETF	30.33
XBI	SPDR S&P BIOTECH ETF	30.47
PEJ	Invesco Dynamic Leisure & Entertainment ETF	30.64
PPTY	US Diversified Real Estate ETF	30.90

* 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	\$15B	(\$31M)	(\$293M)	(\$1,601M)	\$403M
Consumer Discretionary	13	\$26B	\$47M	(\$1,576M)	(\$3,757M)	(\$4,020M)
Consumer Staples	12	\$28B	\$12M	\$2,766M	\$6,235M	\$7,179M
Energy	34	\$81B	(\$454M)	(\$213M)	\$4,186M	\$4,217M
Financials	28	\$69B	(\$668M)	(\$11,855M)	(\$5,232M)	(\$3,734M)
Health Care	26	\$88B	(\$218M)	\$4,110M	\$7,184M	\$11,980M
Industrial	14	\$32B	(\$478M)	(\$29M)	(\$1,259M)	(\$5,347M)
Materials	10	\$19B	(\$148M)	\$2,218M	\$1,907M	\$1,545M
Multi-Sector	18	\$17B	\$55M	(\$3,263M)	(\$4,228M)	(\$3,288M)
Real Estate	23	\$74B	(\$725M)	(\$2,158M)	\$579M	\$8,558M
Technology	24	\$128B	(\$302M)	\$175M	\$85M	\$5,397M
Utilities	10	\$25B	\$19M	\$1,706M	\$3,204M	\$4,039M

U.S. Sector & Industry Flow Leaders

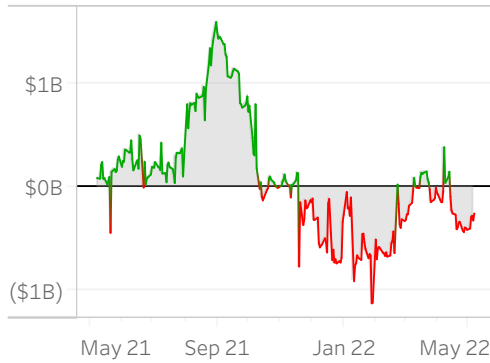
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XRT	SPDR S&P Retail ETF	\$150M	\$390M	(\$227M)	(\$67M)	\$672M
IYF	iShares U.S. Financials ETF	\$144M	(\$57M)	\$169M	(\$9M)	\$2,350M
KBWB	Invesco KBW Bank ETF	\$99M	(\$570M)	(\$388M)	\$34M	\$2,510M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$91M	(\$458M)	(\$1,241M)	(\$1,423M)	\$17,037M
VDC	Vanguard Consumer Staples ETF	\$75M	\$301M	\$572M	\$867M	\$6,986M
XHB	SPDR S&P Homebuilders ETF	\$67M	(\$335M)	(\$475M)	(\$520M)	\$1,252M
AMLP	Alerian MLP ETF	\$63M	\$177M	\$536M	\$411M	\$6,750M
IYK	iShares U.S. Consumer Staples ETF	\$51M	\$263M	\$405M	\$397M	\$1,196M
RTM	Invesco S&P 500 Equal Weight Materials ETF	\$49M	\$139M	\$151M	(\$36M)	\$649M
XLV	Health Care Select Sector SPDR Fund	\$47M	\$2,763M	\$4,952M	\$8,569M	\$36,792M

U.S. Sector & Industry Flow Laggards

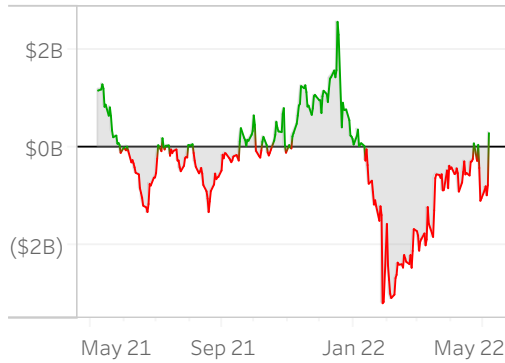
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$664M)	(\$7,549M)	(\$2,986M)	(\$3,483M)	\$36,588M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$403M)	(\$81M)	(\$10M)	(\$844M)	\$5,463M
XLI	Industrial Select Sector SPDR Fund	(\$365M)	(\$1,830M)	(\$2,419M)	(\$5,355M)	\$14,312M
IYR	iShares U.S. Real Estate ETF	(\$299M)	(\$1,240M)	(\$1,887M)	(\$566M)	\$4,995M
VNQ	Vanguard Real Estate ETF	(\$275M)	(\$558M)	\$1,154M	\$4,416M	\$43,877M
XLP	Consumer Staples Select Sector SPDR Fund	(\$249M)	\$1,210M	\$4,007M	\$4,753M	\$16,347M
XLE	Energy Select Sector SPDR Fund	(\$185M)	(\$2,409M)	(\$383M)	\$7M	\$38,510M
XLB	Materials Select Sector SPDR Fund	(\$171M)	(\$26M)	(\$577M)	(\$922M)	\$7,508M
XLK	Technology Select Sector SPDR Fund	(\$147M)	\$907M	\$1,631M	\$2,226M	\$42,651M
VCR	Vanguard Consumer Discretionary ETF	(\$144M)	(\$166M)	(\$552M)	(\$28M)	\$5,183M

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

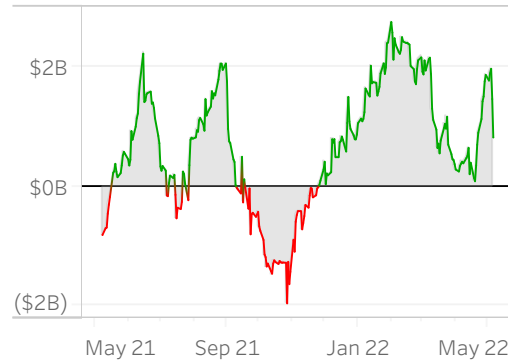
Communication Services



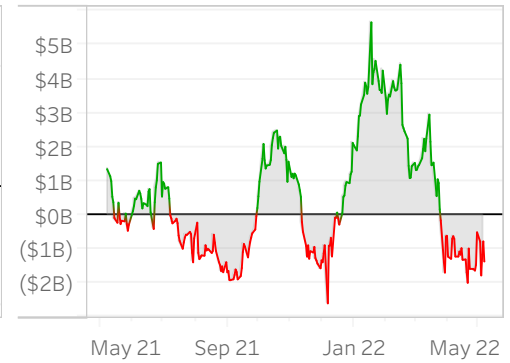
Consumer Discretionary



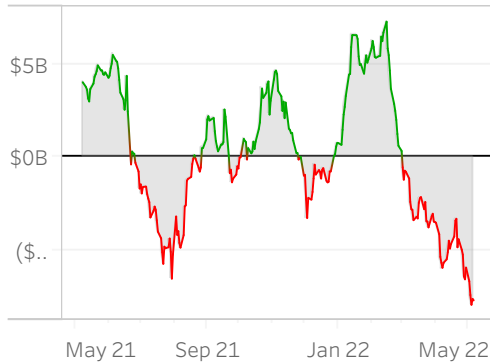
Consumer Staples



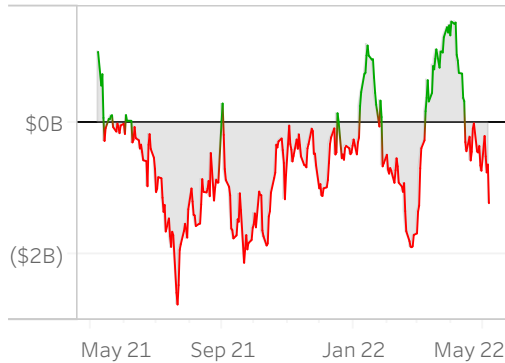
Energy



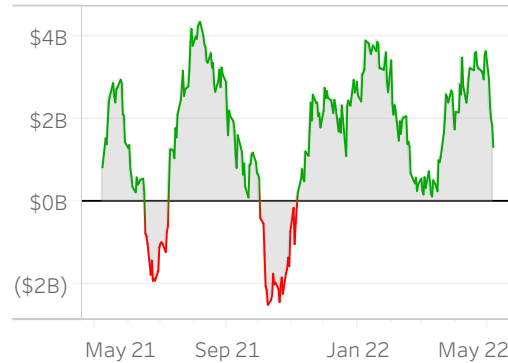
Financials



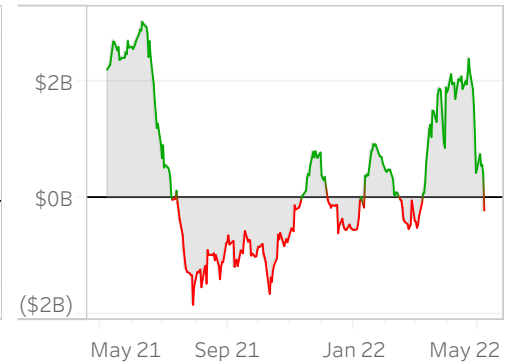
Industrial



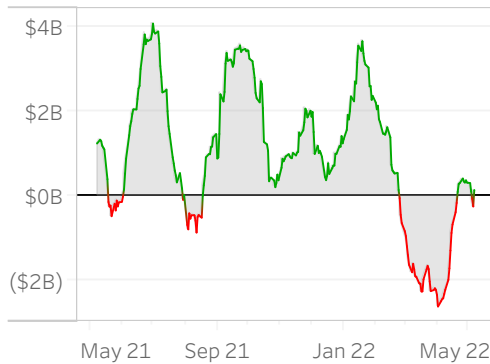
Health Care



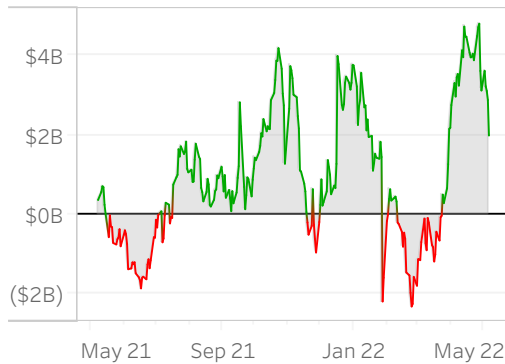
Materials



Real Estate



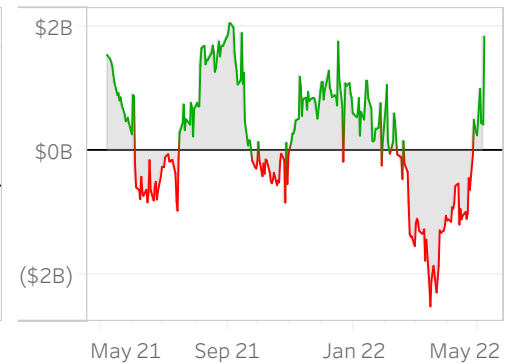
Technology



Utilities

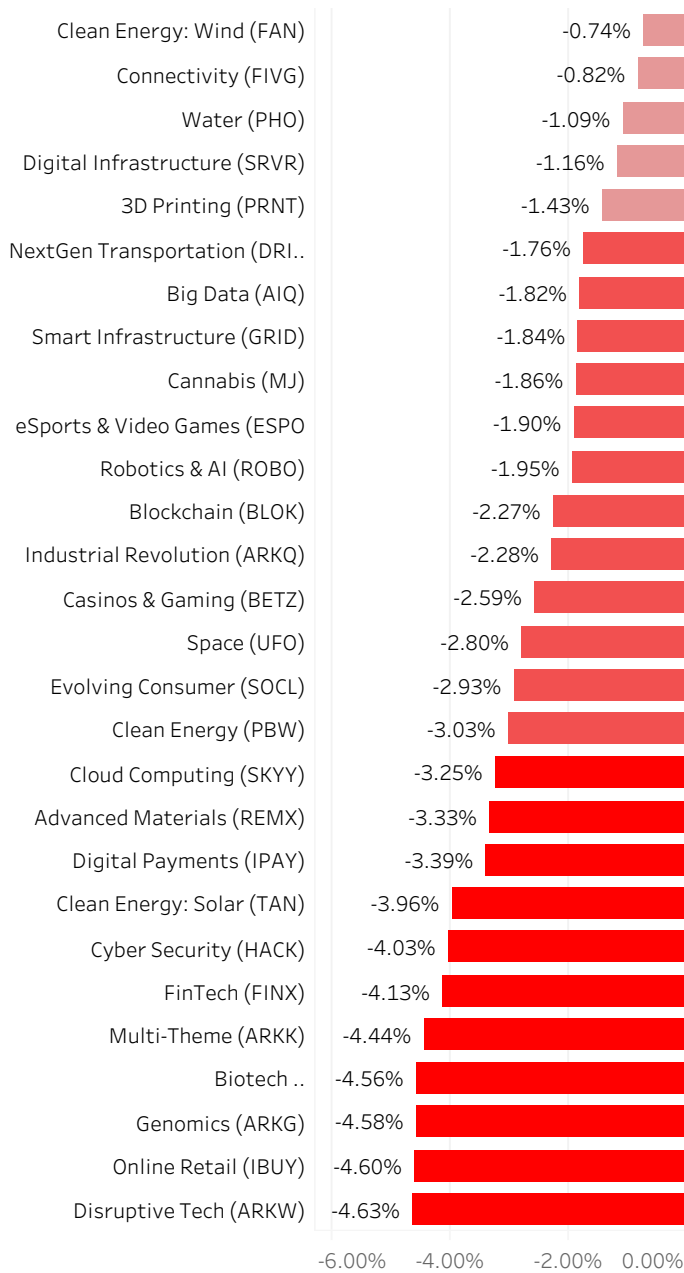


Multi-Sector

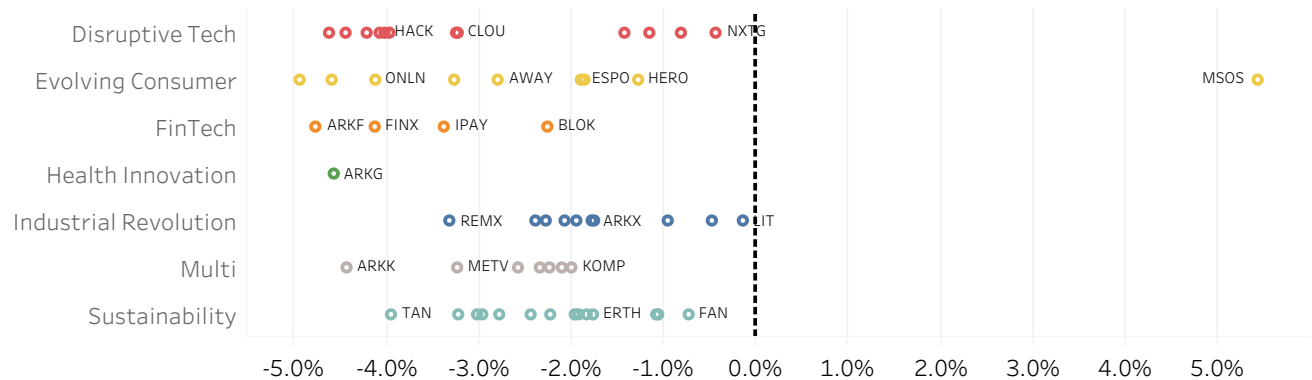


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	5.42%
YOLO	AdvisorShares Pure Cannabis ETF	0.92%
EVX	VanEck Environmental Services ETF	0.15%
CNBS	Amplify Seymour Cannabis ETF	-0.11%
LIT	Global X Lithium & Battery Tech ETF	-0.15%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-0.23%
NXTG	First Trust Indxx NextG ETF	-0.44%
IDRV	iShares Self-driving EV & Tech ETF	-0.48%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.52%
FAN	First Trust Global Wind Energy ETF	-0.74%

Thematic Most Overbought

Ticker	Fund	Price
LIT	Global X Lithium & Battery Tech ETF	43.05
KWEB	KraneShares CSI China Internet ETF	41.69
IDRV	iShares Self-driving EV & Tech ETF	41.36
TAN	Invesco Solar ETF	41.30
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	41.30
QTUM	Defiance Quantum ETF	41.22
DRIV	Global X Autonomous & Electric Vehicles ETF	40.99
VPN	Global X Data Center REITs & Digital Infrastructure ETF	40.00
ACES	ALPS Clean Energy ETF	39.91
CNRG	SPDR S&P Kensho Clean Power ETF	39.68

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-4.95%
XITK	SPDR FactSet Innovative Technology ETF	-4.82%
ARKF	ARK Fintech Innovation ETF	-4.78%
ARKW	ARK Next Generation Internet ETF	-4.63%
IBUY	Amplify Online Retail ETF	-4.60%
ARKG	ARK Genomic Revolution ETF	-4.58%
SBIO	ALPS Medical Breakthroughs ETF	-4.56%
GNOM	Global X Genomics & Biotechnology ETF	-4.49%
WCLD	WisdomTree Cloud Computing Fund	-4.45%
ARKK	ARK Innovation ETF	-4.44%

Thematic Most Oversold

Ticker	Fund	Price
GDOC	Goldman Sachs Future Health Care Equity ETF	22.78
YOLO	AdvisorShares Pure Cannabis ETF	23.08
PAWZ	ProShares Pet Care ETF	23.50
CNBS	Amplify Seymour Cannabis ETF	23.83
GBUY	Goldman Sachs Future Consumer Equity ETF	23.96
EDOC	Global X Telemedicine & Digital Health ETF Registered	26.61
HACK	ETFMG Prime Cyber Security ETF	26.80
MSOS	AdvisorShares Pure US Cannabis ETF	27.81
AGNG	Global X Aging Population ETF	28.65
BTEC	Principal Healthcare Innovators ETF	28.89

* 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	
ARKK	ARK Innovation ETF	\$512M
ARKG	ARK Genomic Revolution ETF	\$25M
KWEB	KraneShares CSI China Internet ETF	\$24M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$14M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$9M
VPN	Global X Data Center REITs & Digital Infrastructure ETF	\$5M
BKCH	Global X Blockchain ETF	\$5M
FMET	Fidelity Metaverse ETF	\$4M
AWAY	ETFMG Travel Tech ETF	\$3M
TARK	AXS 2X Innovation ETF	\$3M

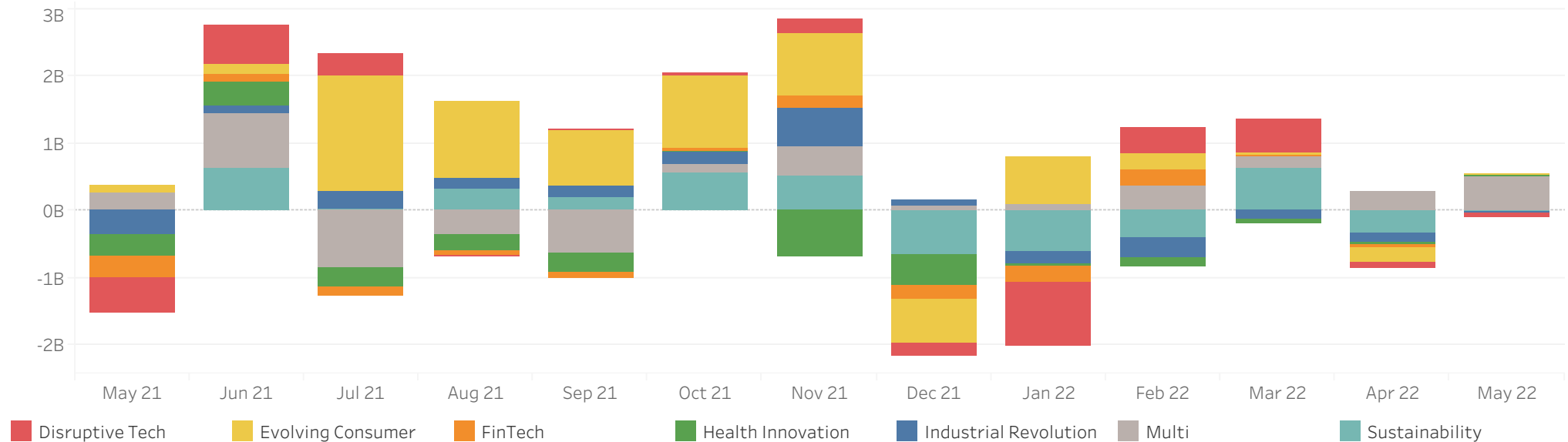
Thematic 1 Week Flow Laggards

Ticker	Fund	
ICLN	iShares Global Clean Energy ETF	(\$17M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$16M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$15M)
HACK	ETFMG Prime Cyber Security ETF	(\$13M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$9M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)
SNSR	Global X Internet of Things ETF	(\$8M)
SKYY	First Trust Cloud Computing ETF	(\$8M)
IDNA	iShares Genomics Immunology and Healthcare ETF Genomics Im..	(\$7M)
METV	Roundhill Ball Metaverse ETF	(\$7M)

Thematic Landscape Assets & Flows

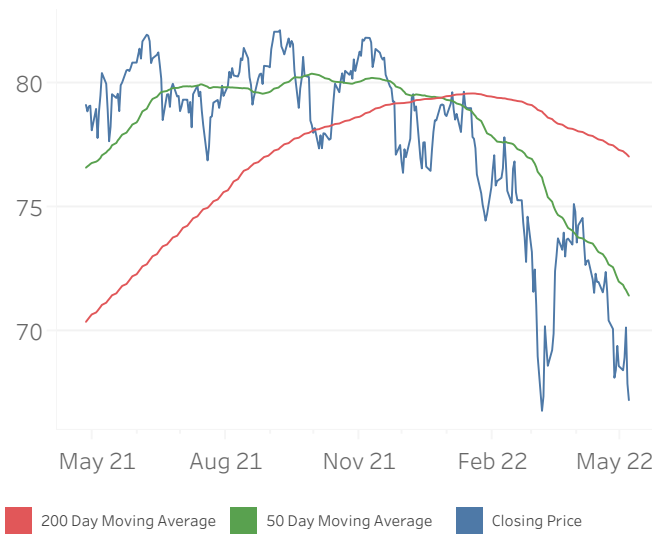
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$22B	(\$57M)	\$484M	(\$410M)	\$246M
Evolving Consumer	47	\$11B	\$25M	(\$61M)	\$981M	\$6,090M
FinTech	24	\$4B	(\$5M)	\$127M	(\$157M)	(\$490M)
Health Innovation	19	\$4B	\$25M	(\$157M)	(\$1,391M)	(\$2,136M)
Industrial Revolution	31	\$13B	(\$13M)	(\$338M)	(\$146M)	\$367M
Multi	41	\$17B	\$516M	\$1,678M	\$2,211M	\$1,310M
Sustainability	40	\$19B	\$0M	\$35M	(\$1,292M)	\$902M
Grand Total	237	\$90B	\$490M	\$1,769M	(\$203M)	\$6,290M

Thematic Monthly Flows

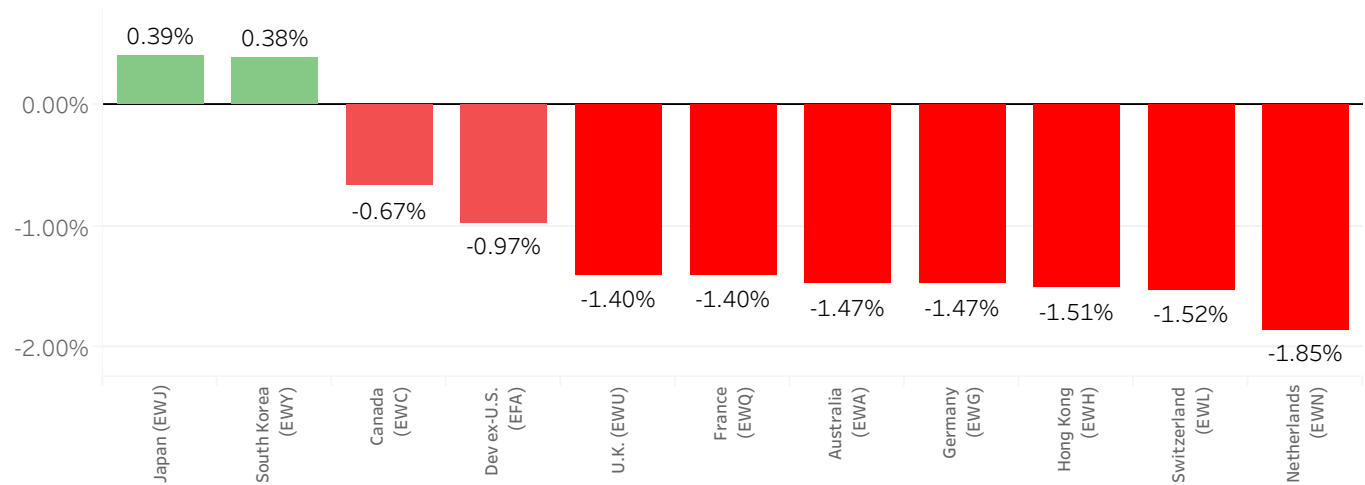


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

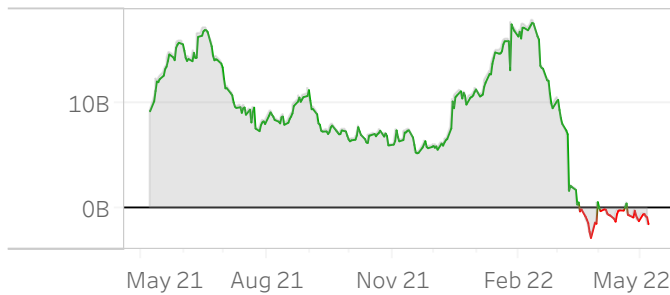
Developed ex-U.S. (EFA)



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



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



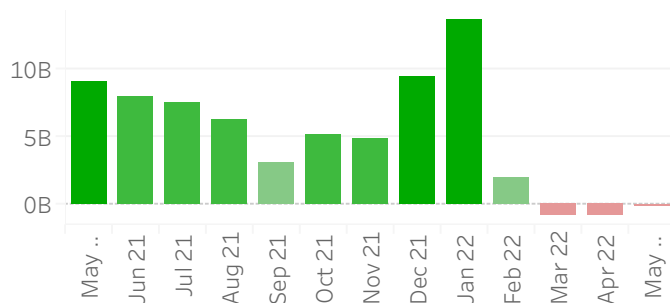
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWJV	iShares MSCI Japan Value ETF	1.10%
DXJ	WisdomTree Japan Hedged Equity Fund	1.10%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.92%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.74%
CIL	VictoryShares International Volatility Wtd ETF	0.56%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.47%
FLJP	Franklin FTSE Japan ETF	0.44%
JPXN	iShares JPX-Nikkei 400 ETF	0.43%
BBJP	JPMorgan BetaBuilders Japan ETF	0.43%
EWJ	iShares MSCI Japan ETF	0.39%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	54.77
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	51.40
HEWJ	iShares Currency Hedged MSCI Japan ETF	51.16
EWJV	iShares MSCI Japan Value ETF	46.86
LVHI	Legg Mason International Low Volatility High Dividend ETF	45.89
DFJ	WisdomTree Japan SmallCap Dividend Fund	42.51
IVAL	Alpha Architect International Quantitative Value ETF	42.47
ISDX	Invesco RAFI Strategic Developed ex-US ETF	41.76
BBJP	JPMorgan BetaBuilders Japan ETF	41.57
HEFA	iShares Currency Hedged MSCI EAFE ETF	41.44

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	-3.26%
FKU	First Trust United Kingdom AlphaDEX Fund	-2.65%
EDEN	iShares MSCI Denmark ETF	-2.28%
FSZ	First Trust Switzerland AlphaDEX Fund	-2.28%
EWD	iShares MSCI Sweden ETF	-2.05%
TTAI	FCF International Quality ETF	-2.03%
EIRL	iShares MSCI Ireland ETF	-2.00%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.96%
EWN	iShares MSCI Netherlands ETF	-1.85%
IDHQ	Invesco S&P International Developed High Quality ETF	-1.83%

Developed ex-U.S. Most Oversold

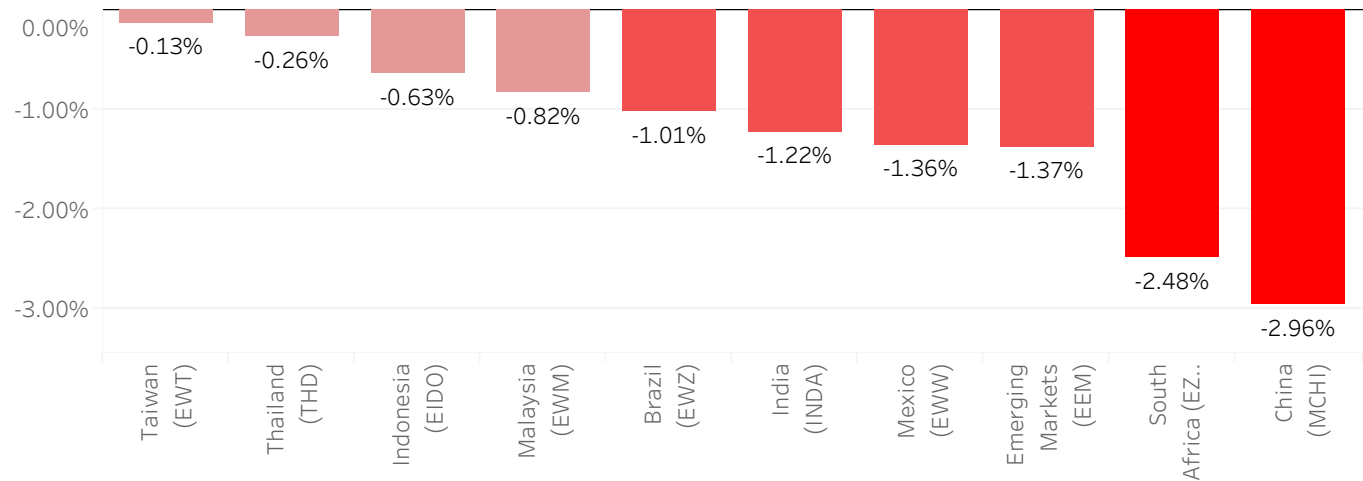
Ticker	Fund	Value
WPS	iShares International Developed Property ETF	22.36
EWUS	iShares MSCI United Kingdom Small Cap ETF	22.53
IEUS	iShares MSCI Europe Small-Cap ETF	27.37
EIS	iShares MSCI Israel ETF	27.69
EWL	iShares MSCI Switzerland ETF	28.14
ISRA	VanEck Israel ETF	28.87
ENZL	iShares MSCI New Zealand ETF	29.12
EFAD	ProShares MSCI EAFE Dividend Growers ETF	29.81
IDHQ	Invesco S&P International Developed High Quality E..	30.19
IQDG	WisdomTree International Quality Dividend Growth ..	30.50

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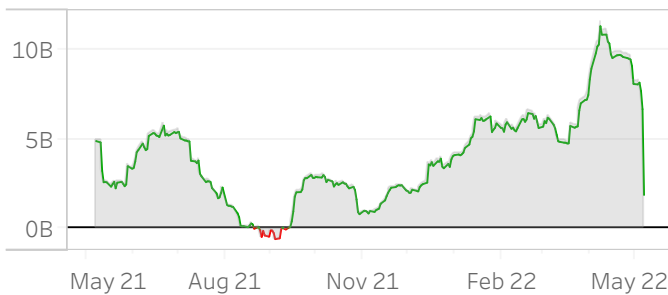
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



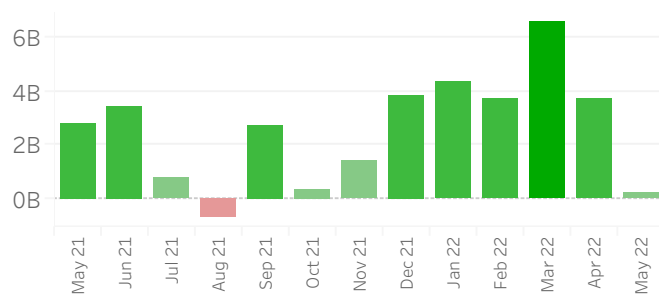
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.40%
KSA	iShares MSCI Saudi Arabia ETF	0.22%
EPHE	iShares MSCI Philippines ETF	0.07%
QAT	iShares MSCI Qatar ETF	0.04%
EWT	iShares MSCI Taiwan ETF	-0.13%
EPOL	iShares MSCI Poland ETF	-0.13%
THD	iShares MSCI Thailand ETF	-0.26%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.26%
FRDM	Freedom 100 Emerging Markets ETF	-0.27%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.32%

Emerging Most Overbought

Ticker	Fund	Price
KSA	iShares MSCI Saudi Arabia ETF	54.90
EIDO	iShares MSCI Indonesia ETF	51.96
IDX	VanEck Indonesia Index ETF	51.93
TUR	iShares MSCI Turkey ETF	51.51
ECH	iShares MSCI Chile ETF	42.48
QAT	iShares MSCI Qatar ETF	41.56
PGJ	Invesco Golden Dragon China ETF	39.74
FXI	iShares China Large-Cap ETF	39.06
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	38.61
MCHI	iShares MSCI China ETF	38.07

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-5.05%
FNI	First Trust Chindia ETF	-3.48%
FXI	iShares China Large-Cap ETF	-3.10%
MCHI	iShares MSCI China ETF	-2.96%
FLCH	Franklin FTSE China ETF	-2.93%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.79%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.59%
GXC	SPDR S&P China ETF	-2.52%
EZA	iShares MSCI South Africa ETF	-2.48%
BKF	iShares MSCI BIC ETF	-2.32%

Emerging Most Oversold

Ticker	Fund	Price
EPU	iShares MSCI Peru ETF	22.81
EPOL	iShares MSCI Poland ETF	27.23
AFK	VanEck Africa Index ETF	27.25
EZA	iShares MSCI South Africa ETF	27.71
FM	iShares MSCI Frontier and Select EM ETF	27.96
VNM	VanEck Vietnam ETF	28.28
GLIN	VanEck India Growth Leaders ETF	30.02
SMIN	iShares MSCI India Small Cap ETF	30.92
LDEM	iShares ESG MSCI EM Leaders ETF	31.11
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	31.24

*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	-0.42%	-3.55%	-10.42%
SHY	1-3 Year Treasury Bonds	-0.01%	-0.21%	-2.96%
IEF	7-10 Year Treasury Bonds	-0.57%	-3.55%	-11.72%
TLT	20+ Year Treasury Bonds	-1.47%	-10.66%	-22.84%
TIP	TIPS Bonds	-0.26%	-2.02%	-6.71%
FLOT	Floating Rate Bonds	0.14%	0.11%	-0.17%
LQD	Investment Grade Corporate	-0.85%	-6.42%	-15.69%
HYG	High Yield Corporate	-0.56%	-3.67%	-9.46%
BKLN	Senior Loan	-0.51%	-1.80%	-2.36%
PFF	Preferred & Income Securities	-1.07%	-6.28%	-14.79%
MUB	Municipal Bonds	-0.31%	-2.78%	-8.46%
MBB	MBS	-0.17%	-3.08%	-9.16%
EMB	Dollar Denominated EM Bonds	-1.35%	-6.78%	-16.82%
LEMB	Local Currency EM Bond	-0.57%	-5.61%	-11.75%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.54%	5.44%	36.31%
DBE	Energy	0.86%	15.79%	57.55%
USO	WTI Crude Oil	2.05%	12.43%	51.09%
BNO	Brent Crude Oil	2.01%	11.57%	55.00%
UNG	Natural Gas	-8.04%	30.38%	121.62%
UGA	Gasoline	3.78%	24.45%	65.41%
DBP	Precious Metals	-0.02%	-3.71%	0.71%
GLD	Gold	0.17%	-2.36%	2.61%
SLV	Silver	-0.58%	-8.46%	-3.95%
PPLT	abrdn Physical Platin..	-2.29%	-0.09%	-0.60%
PALL	abrdn Physical Palla..	-6.65%	-7.72%	7.17%
DBB	Base Metals	-2.37%	-12.77%	1.62%
CPER	Copper	-0.81%	-10.37%	-5.37%
LD	Lead	-0.93%	-5.40%	-1.52%
JJN	Nickel	0.89%	-11.16%	44.94%
JJU	Aluminum	-3.37%	-17.28%	0.72%
JJT	Tin	-0.82%	-8.64%	3.80%
DBA	Agriculture	-1.22%	-0.55%	10.58%
CORN	Corn	-1.63%	3.77%	34.31%
SOYB	Soybeans	-1.42%	2.28%	22.11%
WEAT	Wheat	0.18%	6.28%	48.85%
CANE	Sugar	0.84%	-1.75%	3.91%
BAL	Cotton	-2.56%	9.19%	34.26%
NIB	Cocoa	-2.88%	-5.71%	-6.42%
JO	Coffee	-3.61%	-7.87%	-6.70%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.18%	4.09%	8.12%
UDN	Short Dollar	-0.21%	-4.12%	-8.10%
FXE	Euro	-0.04%	-3.32%	-7.63%
FXB	British Pound Sterling	-0.16%	-5.62%	-8.81%
FXF	Swiss Franc	-0.37%	-5.76%	-8.12%
FXJ	Japanese Yen	-0.36%	-5.23%	-11.95%
FXC	Canadian Dollar	-0.35%	-2.76%	-2.02%
FXA	Australian Dollar	-0.42%	-5.80%	-2.62%

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