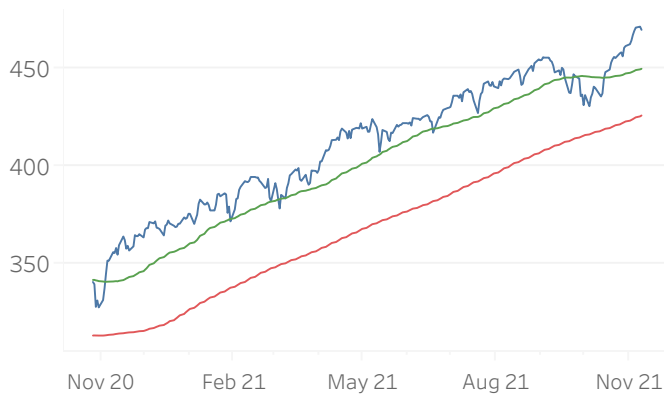
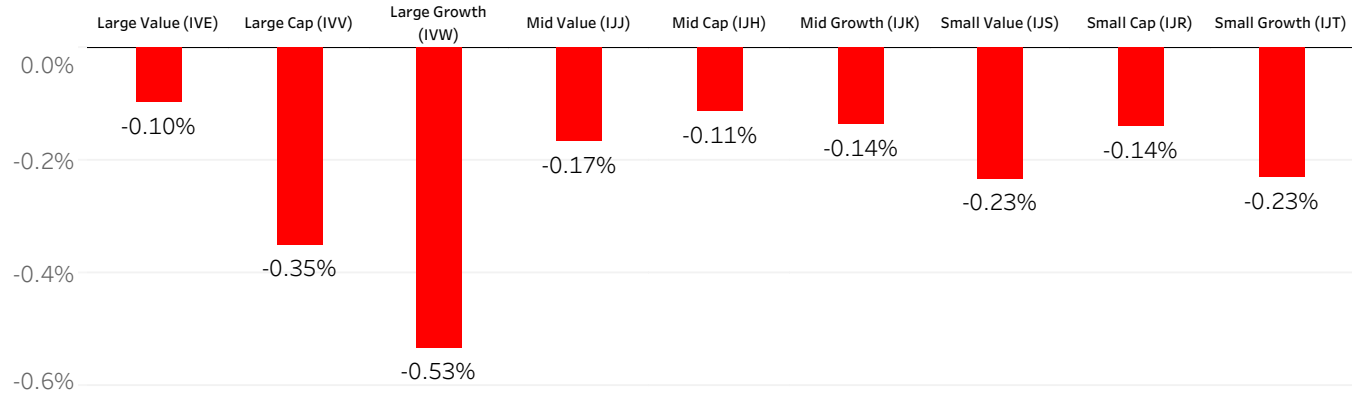


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
SDVY	First Trust SMID Cap Rising Dividend Achievers ETF	0.62%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.56%
FPX	First Trust US Equity Opportunities ETF	0.51%
CSD	Invesco S&P Spin-Off ETF	0.48%
PSET	Principal Quality ETF	0.43%
TPHD	Timothy Plan High Dividend Stock ETF	0.40%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	0.39%
ABEQ	Absolute Core Strategy ETF	0.39%
LEAD	Siren DIVCON Leaders Dividend ETF	0.39%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	0.36%

Size & Style Most Overbought

Ticker	Fund	Value
XSMO	Invesco S&P SmallCap Momentum ETF	78.04
FYC	First Trust Small Cap Growth AlphaDEX Fund	76.85
FQAL	Fidelity Quality Factor ETF	76.83
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	76.70
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	76.58
EFIV	SPDR S&P 500 ESG ETF	76.55
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	76.33
BFOR	ALPS Barron's 400 ETF	76.02
KRMA	Global X Conscious Companies ETF	75.74
XSLV	Invesco S&P SmallCap Low Volatility ETF	75.54

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
BUZZ	VanEck Social Sentiment ETF	-1.87%
VEGN	US Vegan Climate ETF	-1.63%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.52%
PWB	Invesco Dynamic Large Cap Growth ETF	-1.18%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	-0.95%
QQH	HCM Defender 100 Index ETF	-0.92%
NULG	Nuveen ESG Large-Cap Growth ETF	-0.86%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	-0.85%
IWN	iShares Russell 2000 Value ETF	-0.78%
DSI	iShares MSCI KLD 400 Social ETF	-0.77%

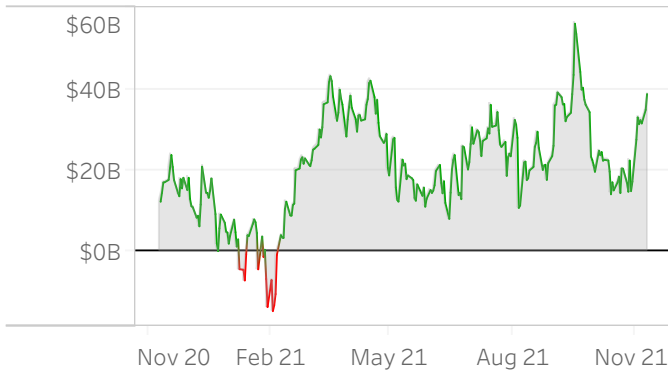
Size & Style Most Oversold

Ticker	Fund	Value
CSD	Invesco S&P Spin-Off ETF	51.22
IPO	Renaissance IPO ETF	52.12
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	52.89
RDIV	Invesco S&P Ultra Dividend Revenue ETF	53.93
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index ..	53.95
PEY	Invesco High Yield Equity Dividend Achievers ETF	54.94
DURA	VanEck Morningstar Durable Dividend ETF	55.87
WBIY	WBI Power Factor High Dividend ETF	56.05
DHS	WisdomTree U.S. High Dividend Fund	56.40
DUSA	Davis Select U.S. Equity ETF	56.46

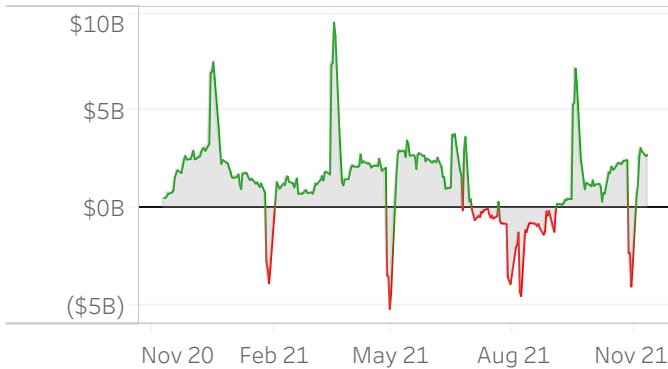
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

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

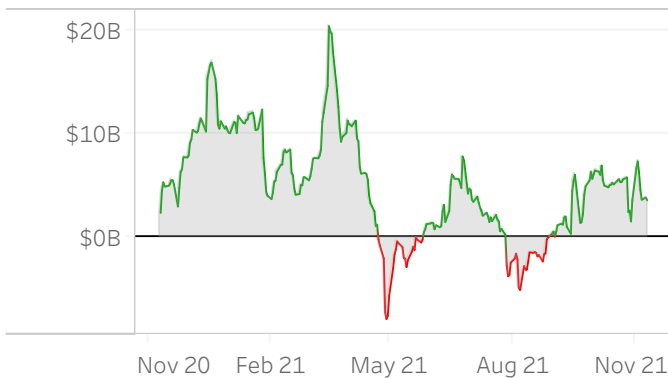
### Large-Cap 30-Day Rolling Flows



### Mid-Cap 30-Day Rolling Flows



### Small-Cap 30-Day Rolling Flows



### U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	24	\$1,374B	\$2.06B	\$52.64B	\$78.94B	\$99.66B
Small Cap, Beta, Beta	12	\$240B	\$1.71B	\$8.68B	\$9.60B	\$28.14B
Large Cap, Beta Growth, Beta: Value	11	\$211B	\$0.33B	\$5.97B	\$11.35B	\$33.85B
Large Cap, Beta Growth, Beta: Growth	10	\$279B	\$0.28B	\$3.31B	\$10.06B	\$5.55B
Small Cap, Beta, Beta: Value	7	\$61B	\$0.12B	\$0.87B	\$0.40B	\$8.89B
Mid Cap, Beta, Beta: Growth	6	\$43B	\$0.11B	\$0.49B	\$0.03B	(\$2.18B)
Mid Cap, Beta, Beta	10	\$199B	\$0.01B	\$2.48B	\$2.38B	\$9.30B
Small Cap, Beta, Beta: Growth	7	\$41B	(\$0.02B)	\$0.01B	\$0.13B	\$0.95B
Mid Cap, Beta, Beta: Value	6	\$43B	(\$0.15B)	\$0.58B	\$0.92B	\$4.69B

### U.S. Size & Style Flow Leaders

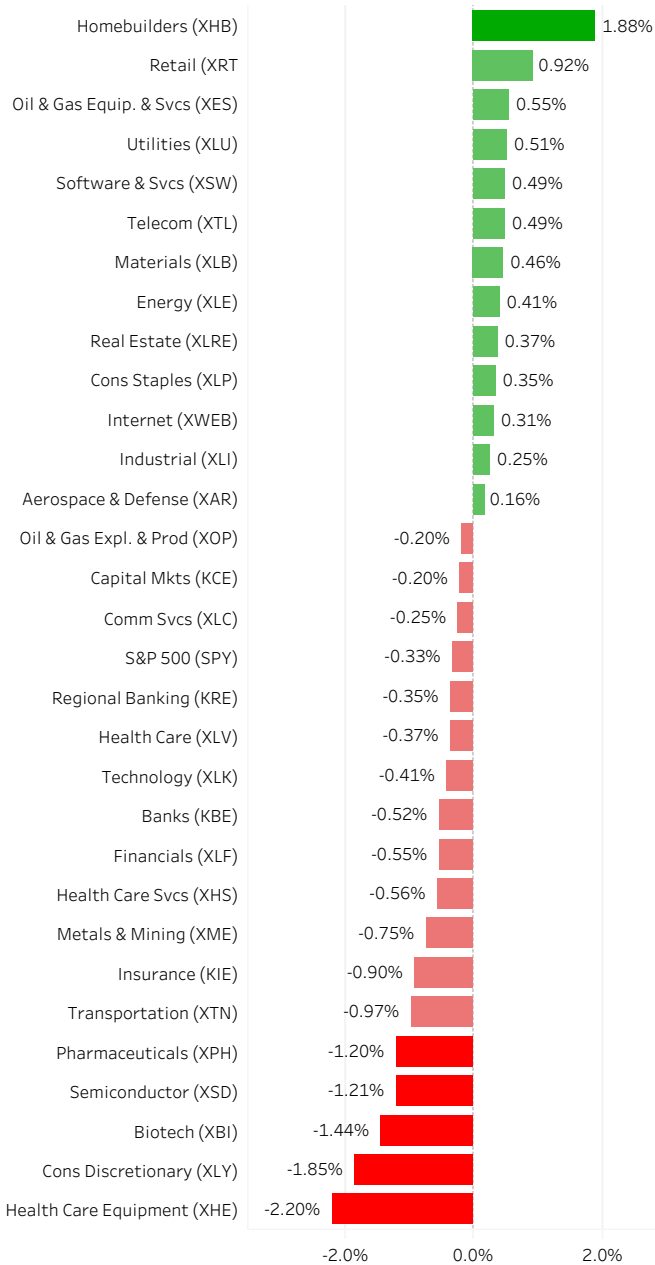
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$1.18B	\$4.16B	\$3.12B	\$8.74B	\$76.42B
VTI	Vanguard Total Stock Market ETF	\$0.84B	\$11.18B	\$21.09B	\$44.99B	\$291.61B
VOO	Vanguard S&P 500 ETF	\$0.81B	\$12.57B	\$25.07B	\$42.76B	\$275.37B
IVV	iShares Core S&P 500 ETF	\$0.61B	\$9.05B	\$11.17B	\$19.84B	\$324.68B
QQQ	Invesco QQQ Trust	\$0.28B	\$8.38B	\$14.60B	\$15.14B	\$207.82B
VTV	Vanguard Value ETF	\$0.22B	\$2.99B	\$6.55B	\$16.42B	\$90.06B
IJR	iShares Core S&P Small Cap ETF	\$0.20B	\$1.83B	\$1.13B	\$5.29B	\$76.62B
IWD	iShares Russell 1000 Value ETF	\$0.18B	\$1.35B	\$1.35B	\$5.75B	\$57.89B
SCHD	Schwab US Dividend Equity ETF	\$0.17B	\$2.59B	\$5.13B	\$11.12B	\$30.52B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.16B	\$0.34B	(\$1.54B)	(\$9.43B)	\$29.34B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.45B)	(\$1.74B)	(\$1.64B)	(\$0.88B)	\$30.07B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.24B)	(\$0.72B)	(\$1.18B)	(\$0.43B)	\$21.99B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.18B)	\$0.18B	\$0.11B	\$1.93B	\$9.45B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.16B)	\$0.14B	\$0.26B	\$0.54B	\$14.51B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.08B)	\$0.66B	\$0.88B	\$4.73B	\$13.36B
IWF	iShares Russell 1000 Growth ETF	(\$0.06B)	\$0.04B	\$0.60B	(\$1.64B)	\$79.33B
FNDX	Schwab Fundamental US Large Co. Index ETF	(\$0.06B)	\$0.37B	\$0.68B	\$1.12B	\$8.04B
SCHG	Schwab U.S. Large-Cap Growth ETF	(\$0.06B)	\$0.23B	\$0.35B	\$0.38B	\$17.68B
VBK	Vanguard Small-Cap Growth ETF	(\$0.05B)	\$0.27B	\$0.45B	\$1.20B	\$17.39B
BBMC	JPMorgan BetaBuilders U.S. Mid Cap Equity E..	(\$0.05B)	(\$0.09B)	(\$0.13B)	\$0.12B	\$1.68B

\* 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)
XLB	Materials Select Sector SPDR Fund	0.00%	27.61%	6.94%	8.68%	75.64
XLI	Industrial Select Sector SPDR Fund	0.00%	26.34%	4.62%	6.30%	70.82
XLE	Energy Select Sector SPDR Fund	-0.19%	60.58%	9.80%	15.29%	64.73
SPY	SPDR S&P 500 ETF Trust	-0.33%	30.75%	4.49%	10.22%	72.83
XLK	Technology Select Sector SPDR Fund	-0.41%	39.32%	6.57%	14.78%	75.45
XLP	Consumer Staples Select Sector SPDR Fund	-0.45%	14.80%	2.21%	4.29%	64.56
XLRE	Real Estate Select Sector SPDR Fund	-0.70%	38.02%	3.30%	10.84%	62.99
XLF	Financial Select Sector SPDR Fund	-1.48%	44.53%	3.16%	9.50%	54.90
XLV	Health Care Select Sector SPDR Fund	-2.70%	22.80%	1.46%	6.37%	56.29
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.24%	31.56%	8.22%	15.03%	64.41
XLU	Utilities Select Sector SPDR Fund	-5.01%	14.05%	0.08%	2.01%	50.62
XLC	Communication Services Select Sector SPDR Fund	-5.71%	26.96%	-0.86%	2.82%	51.14

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSJ	Invesco Dynamic Software ETF	2.59%
ITB	iShares U.S. Home Construction ETF	2.38%
XHB	SPDR S&P Homebuilders ETF	1.88%
XRT	SPDR S&P Retail ETF	0.92%
HOMZ	Hoya Capital Housing ETF	0.71%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	0.70%
MLPA	Global X MLP ETF	0.59%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.55%
PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	0.53%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.53%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PSI	Invesco Dynamic Semiconductors ETF	81.68
SOXX	iShares Semiconductor ETF	81.52
JHMT	John Hancock Multifactor Technology ETF	81.49
PTF	Invesco DWA Technology Momentum ETF	80.36
SOXQ	Invesco PHLX Semiconductor ETF	80.11
XSD	SPDR S&P Semiconductor ETF	78.30
IYW	iShares U.S. Technology ETF	78.19
PSCI	Invesco S&P SmallCap Industrials ETF	78.17
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	78.05
FTXL	First Trust Nasdaq Semiconductor ETF	77.51

### Sector & Industry 1 Day Performance Laggards

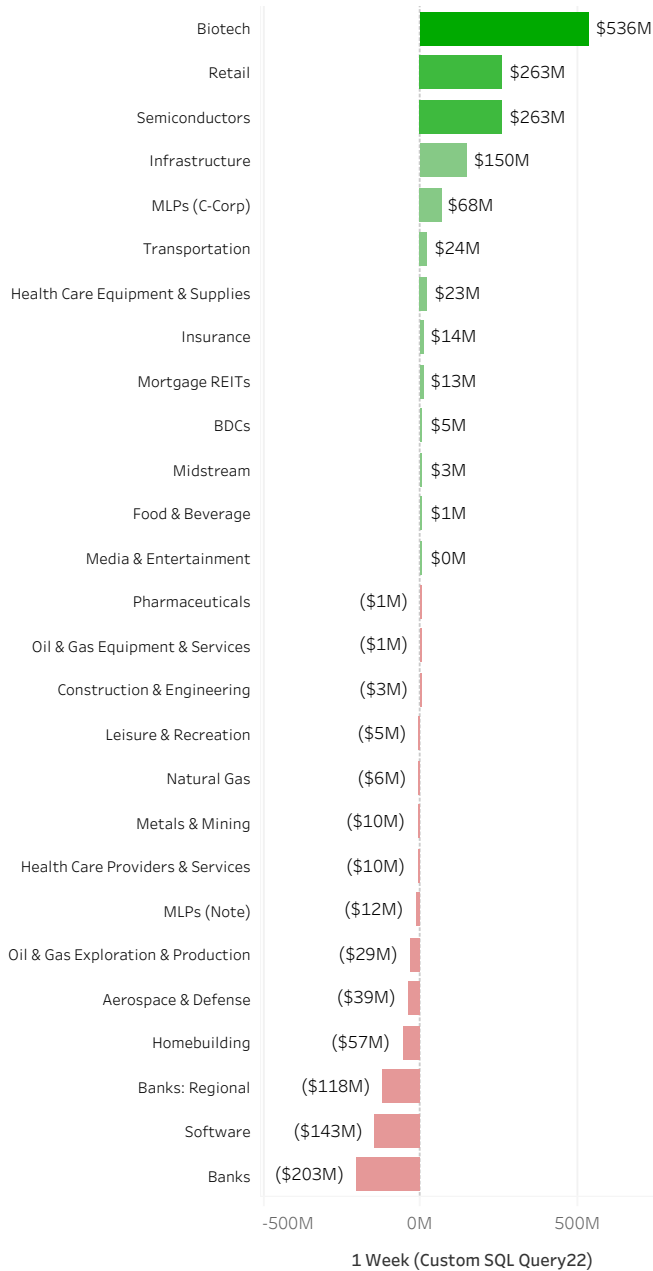
Ticker	Fund	1 Day Performance
XHE	SPDR S&P Health Care Equipment ETF	-2.20%
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.85%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-1.80%
RUFF	Alpha Dog ETF	-1.65%
XBI	SPDR S&P BIOTECH ETF	-1.44%
IBB	iShares Biotechnology ETF	-1.34%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-1.21%
XSD	SPDR S&P Semiconductor ETF	-1.21%
XPH	SPDR S&P Pharmaceuticals ETF	-1.20%
PSCT	Invesco S&P SmallCap Information Technology ETF	-1.19%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PBE	Invesco Dynamic Biotechnology & Genome ETF	39.04
IBB	iShares Biotechnology ETF	40.12
FBT	First Trust NYSE Arca Biotechnology Index Fund	40.66
RYU	Invesco S&P 500 Equal Weight Utilities ETF	47.18
FXU	First Trust Utilities AlphaDEX Fund	48.50
MLPX	Global X MLP & Energy Infrastructure ETF	50.19
NETL	NETLease Corporate Real Estate ETF	50.33
MLPA	Global X MLP ETF	50.51
KBWP	Invesco KBW Property & Casualty Insurance ETF	50.59
XLU	Utilities Select Sector SPDR Fund	50.62

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

## U.S. Sector & Industry 1-Week Flows



## U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$22B	(\$5M)	\$1,124M	\$1,998M	\$2,204M
Consumer Discretionary	13	\$39B	\$765M	\$922M	(\$293M)	\$3,136M
Consumer Staples	12	\$20B	(\$136M)	(\$1,314M)	\$954M	(\$3,462M)
Energy	34	\$58B	\$231M	\$787M	\$60M	\$11,297M
Financials	28	\$87B	(\$235M)	\$4,438M	\$1,211M	\$23,786M
Health Care	26	\$92B	\$1,111M	\$1,434M	\$4,276M	\$4,071M
Industrial	14	\$37B	\$367M	(\$1,767M)	(\$3,742M)	\$2,686M
Materials	10	\$17B	\$426M	(\$801M)	(\$460M)	\$4,896M
Multi-Sector	17	\$27B	\$70M	\$1,069M	\$869M	\$3,922M
Real Estate	22	\$79B	\$154M	\$4,601M	\$7,885M	\$13,312M
Technology	24	\$157B	(\$526M)	\$3,598M	\$5,344M	\$4,637M
Utilities	10	\$20B	\$705M	(\$78M)	\$903M	\$622M

## U.S. Sector & Industry Flow Leaders

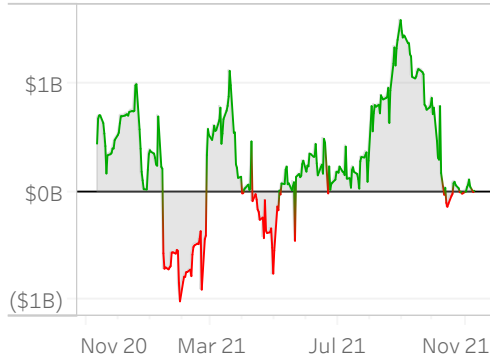
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	\$700M	(\$228M)	\$557M	\$383M	\$12,758M
XLV	Health Care Select Sector SPDR Fund	\$590M	\$403M	\$3,264M	\$2,903M	\$32,943M
XLB	Materials Select Sector SPDR Fund	\$427M	(\$381M)	(\$397M)	\$2,234M	\$8,440M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$406M	\$1,083M	(\$182M)	\$636M	\$23,712M
XBI	SPDR S&P BIOTECH ETF	\$386M	\$750M	\$779M	\$1,357M	\$7,921M
XLI	Industrial Select Sector SPDR Fund	\$351M	(\$1,345M)	(\$2,562M)	\$381M	\$18,506M
XRT	SPDR S&P Retail ETF	\$263M	\$3M	\$131M	\$203M	\$1,162M
SOXX	iShares Semiconductor ETF	\$201M	\$565M	\$835M	\$2,273M	\$9,004M
XLE	Energy Select Sector SPDR Fund	\$165M	\$784M	\$370M	\$7,597M	\$28,064M
IBB	iShares Biotechnology ETF	\$149M	(\$426M)	(\$182M)	(\$612M)	\$10,236M

## U.S. Sector & Industry Flow Laggards

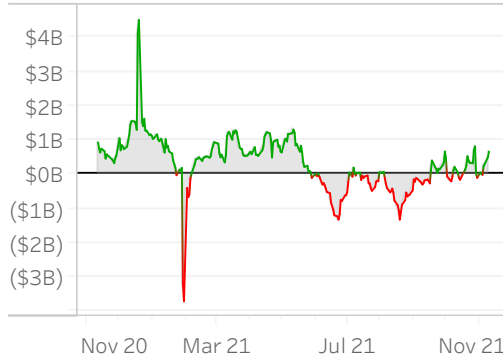
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	(\$688M)	\$153M	\$540M	(\$1,084M)	\$49,022M
XLP	Consumer Staples Select Sector SPDR Fund	(\$225M)	(\$1,505M)	\$757M	(\$3,023M)	\$11,655M
IGV	iShares Expanded Tech-Software Sector ETF	(\$133M)	\$610M	\$286M	(\$323M)	\$6,671M
KBE	SPDR S&P Bank ETF	(\$127M)	\$44M	(\$839M)	\$371M	\$3,443M
ITB	iShares U.S. Home Construction ETF	(\$113M)	\$121M	(\$322M)	(\$236M)	\$2,687M
KRE	SPDR S&P Regional Banking ETF	(\$109M)	\$471M	(\$166M)	\$2,472M	\$5,585M
KBWB	Invesco KBW Bank ETF	(\$78M)	\$315M	\$421M	\$1,578M	\$3,470M
RYH	Invesco S&P 500 Equal Weight Health Care ETF	(\$34M)	\$11M	\$62M	\$51M	\$957M
XLF	Financial Select Sector SPDR Fund	(\$34M)	\$2,481M	(\$518M)	\$12,242M	\$45,718M
XLC	Communication Services Select Sector SPDR Fu..	(\$25M)	\$987M	\$1,089M	\$1,008M	\$15,257M

\* 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



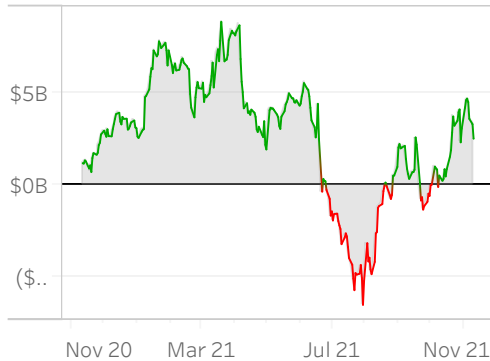
Consumer Staples



Energy



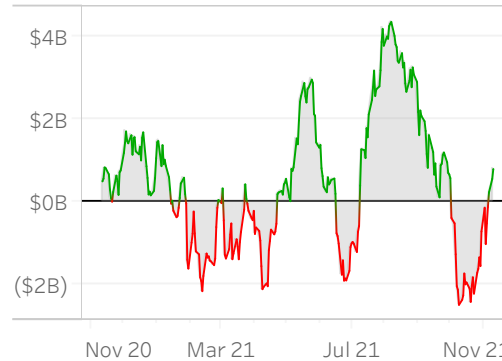
Financials



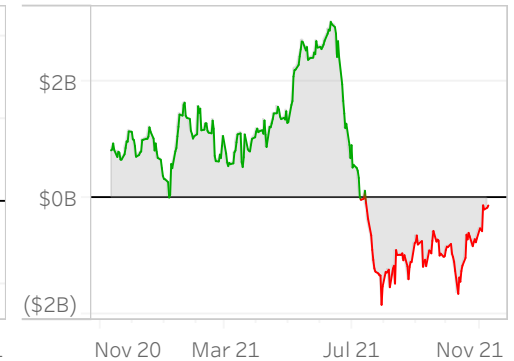
Industrial



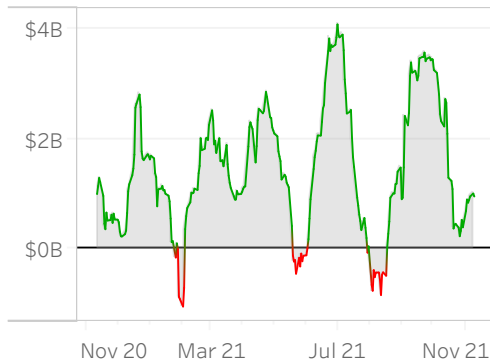
Health Care



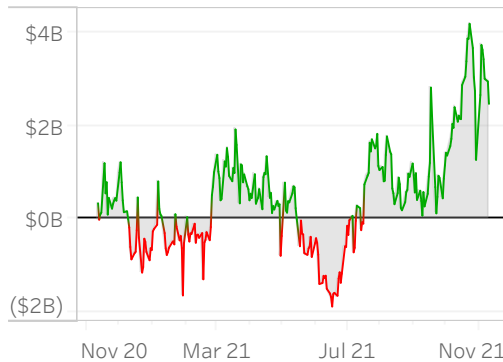
Materials



Real Estate



Technology



Utilities

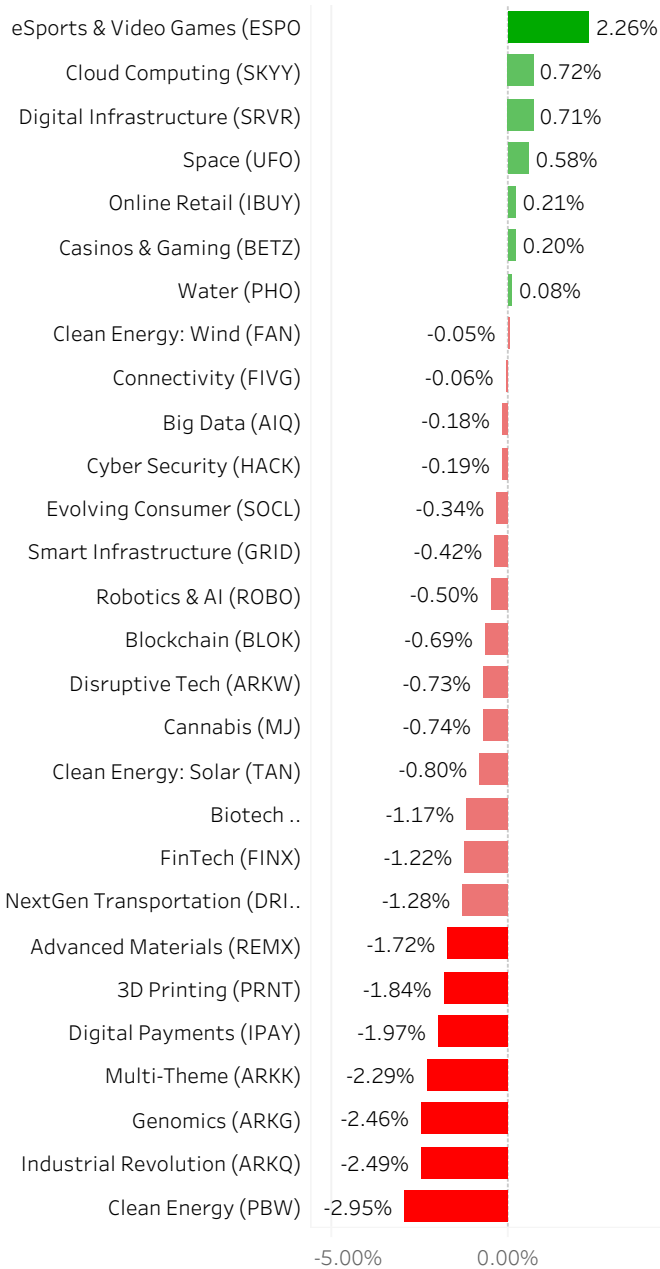


Multi-Sector

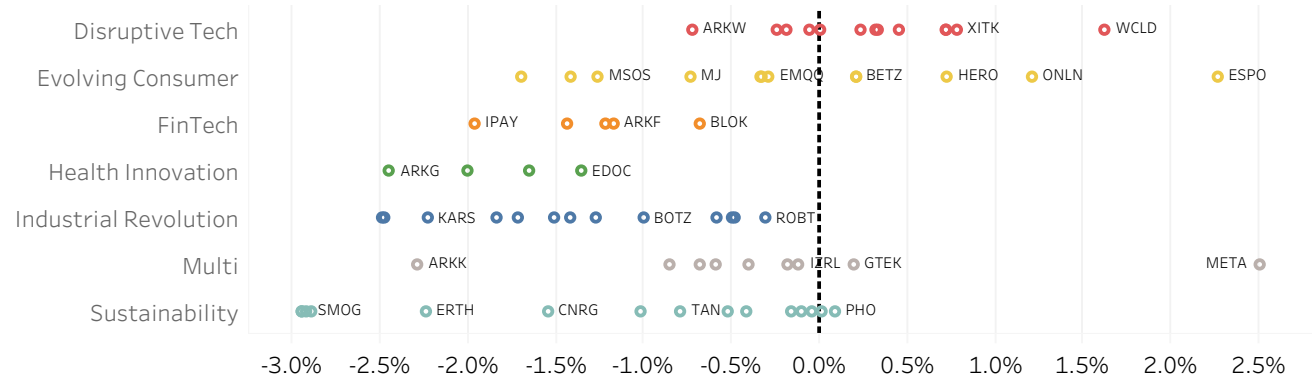


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
GAMR	Wedbush ETFMG Video Game Tech ETF	2.65%
META	Roundhill Ball Metaverse ETF	2.50%
ESPO	VanEck Video Gaming and eSports ETF	2.26%
BKCH	Global X Blockchain ETF	1.66%
WCLD	WisdomTree Cloud Computing Fund	1.62%
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	1.50%
YOLO	AdvisorShares Pure Cannabis ETF	1.27%
ONLN	ProShares Online Retail ETF	1.21%
IVES	Wedbush ETFMG Global Cloud Technology ETF	1.15%
XITK	SPDR FactSet Innovative Technology ETF	0.78%

### Thematic Most Overbought

Ticker	Fund	Price
BITQ	Bitwise Crypto Industry Innovators ETF	80.40
QTUM	Defiance Quantum ETF	80.38
FIVG	Defiance Next Gen Connectivity ETF	80.35
BKCH	Global X Blockchain ETF	79.08
SNSR	Global X Internet of Things ETF	78.97
META	Roundhill Ball Metaverse ETF	76.58
BLOK	Amplify Transformational Data Sharing ETF	75.99
CIBR	First Trust NASDAQ Cybersecurity ETF	75.98
IHAK	iShares Cybersecurity & Tech ETF	75.62
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	74.87

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
PBW	Invesco WilderHill Clean Energy ETF	-2.95%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-2.95%
SMOG	VanEck Low Carbon Energy ETF	-2.93%
ACES	ALPS Clean Energy ETF	-2.90%
HAIL	SPDR S&P Kensho Smart Mobility ETF	-2.55%
ARKQ	ARK Autonomous Technology & Robotics ETF	-2.49%
BATT	Amplify Lithium & Battery Technology ETF	-2.48%
ARKG	ARK Genomic Revolution ETF	-2.46%
ARKK	ARK Innovation ETF	-2.29%
ERTH	Invesco MSCI Sustainable Future ETF	-2.24%

### Thematic Most Oversold

Ticker	Fund	Price
GERM	ETFMG Treatments Testing and Advancements ETF	32.79
IPAY	ETFMG Prime Mobile Payments ETF	35.35
BETZ	Roundhill Sports Betting & iGaming ETF	40.91
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	42.70
KWEB	KraneShares CSI China Internet ETF	44.80
BJK	VanEck Gaming ETF	44.87
FAN	First Trust Global Wind Energy ETF	45.03
EMQQ	Emerging Markets Internet & Ecommerce ETF	45.33
SOCL	Global X Social Media ETF	46.32
EDOC	Global X Telemedicine & Digital Health ETF	48.58

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



### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
MSOS	AdvisorShares Pure US Cannabis ETF	\$156M
LIT	Global X Lithium & Battery Tech ETF	\$151M
META	Roundhill Ball Metaverse ETF	\$99M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$78M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$74M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$61M
BUG	Global X Cybersecurity ETF	\$60M
KWEB	KraneShares CSI China Internet ETF	\$45M
BLOK	Amplify Transformational Data Sharing ETF	\$39M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$32M

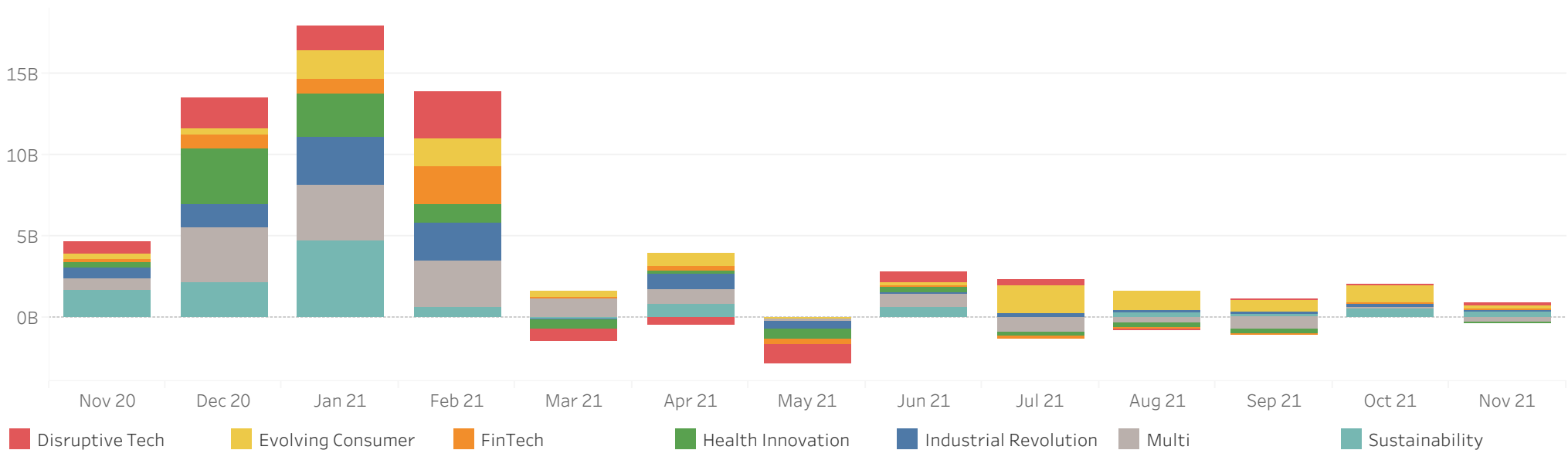
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$561M)
TAN	Invesco Solar ETF	(\$86M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$31M)
ARKW	ARK Next Generation Internet ETF	(\$24M)
HERO	Global X Video Games & Esports ETF	(\$13M)
ARKF	ARK Fintech Innovation ETF	(\$11M)
SOCL	Global X Social Media ETF	(\$9M)
ESPO	VanEck Video Gaming and eSports ETF	(\$7M)
BJK	VanEck Gaming ETF	(\$6M)

### Thematic Landscape Assets & Flows

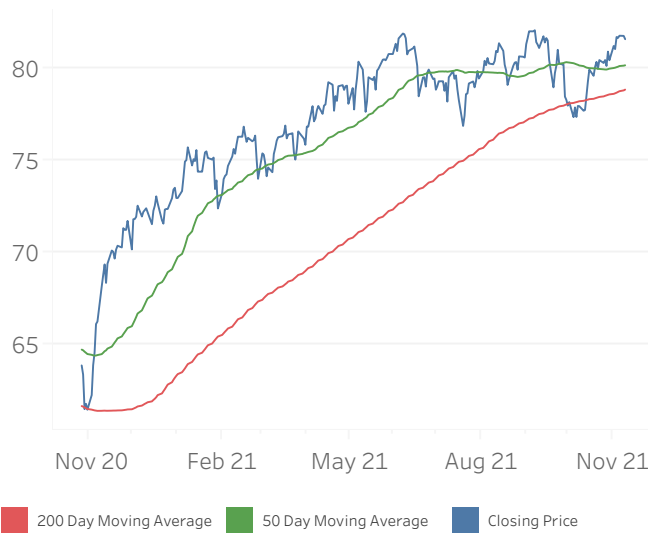
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$31B	\$138M	\$260M	\$681M	\$5,894M
Evolving Consumer	41	\$18B	\$130M	\$3,104M	\$5,238M	\$10,388M
FinTech	16	\$9B	\$68M	\$32M	(\$293M)	\$4,429M
Health Innovation	15	\$10B	(\$65M)	(\$456M)	(\$729M)	\$6,280M
Industrial Revolution	24	\$19B	\$155M	\$487M	\$534M	\$8,266M
Multi	28	\$31B	(\$400M)	(\$1,057M)	(\$1,276M)	\$11,023M
Sustainability	36	\$26B	\$131M	\$1,354M	\$2,252M	\$12,344M
<b>Grand Total</b>	<b>196</b>	<b>\$144B</b>	<b>\$156M</b>	<b>\$3,723M</b>	<b>\$6,407M</b>	<b>\$58,624M</b>

### Thematic Monthly Flows

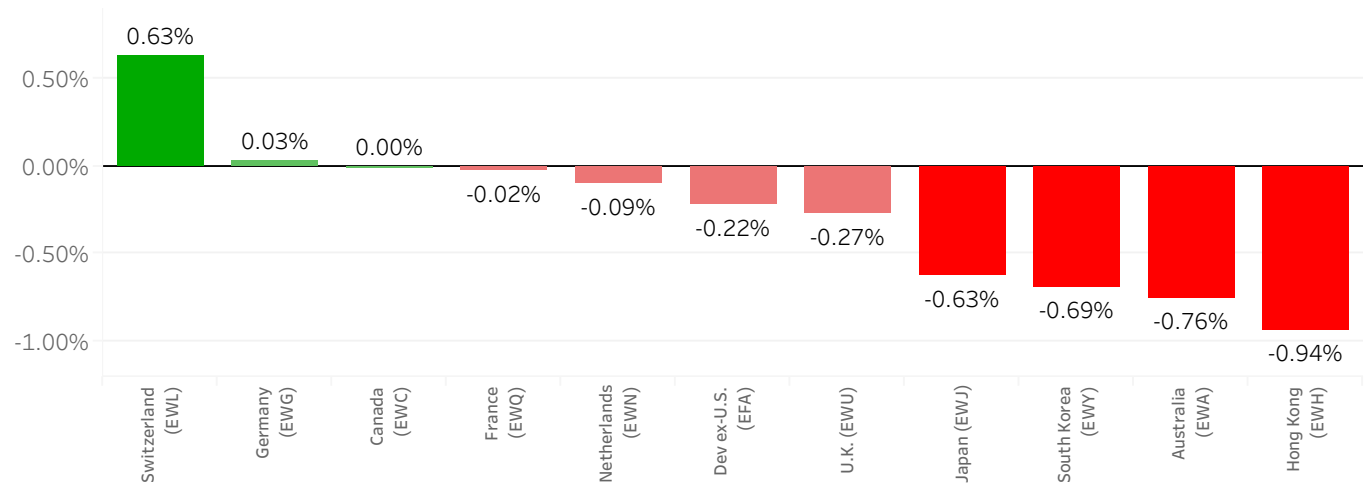


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

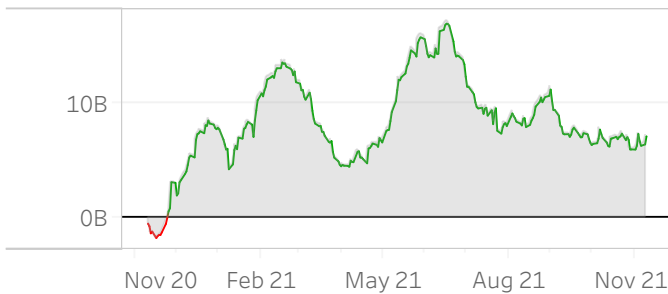
Developed ex-U.S. (EFA)



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



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



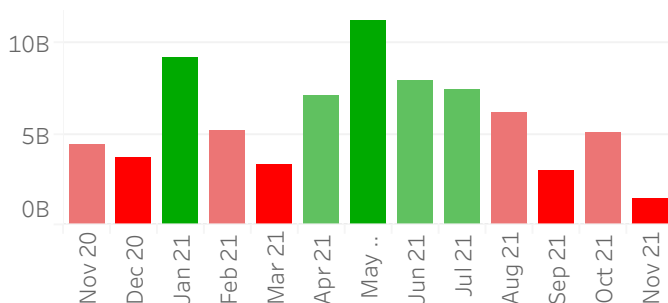
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWL	iShares MSCI Switzerland ETF	0.63%
EIS	iShares MSCI Israel ETF	0.55%
FSZ	First Trust Switzerland AlphaDEX Fund	0.45%
EDEN	iShares MSCI Denmark ETF	0.31%
FGM	First Trust Germany AlphaDEX Fund	0.30%
PIZ	Invesco DWA Developed Markets Momentum ETF	0.24%
SPEU	SPDR Portfolio Europe ETF	0.21%
FLEE	Franklin FTSE Europe ETF	0.17%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.15%
BBCA	JPMorgan BetaBuilders Canada ETF	0.13%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	75.18
HEDJ	WisdomTree Europe Hedged Equity Fund	73.42
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	72.88
TOK	iShares MSCI Kokusai ETF	71.48
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	70.69
HEZU	iShares Currency Hedged MSCI Eurozone ETF	70.51
EWQ	iShares MSCI France ETF	70.45
EWL	iShares MSCI Switzerland ETF	69.92
IDHQ	Invesco S&P International Developed High Quality ETF	69.48
FEZ	SPDR EURO STOXX 50 ETF	68.59

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWS	iShares MSCI Singapore ETF	-1.43%
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	-1.06%
EPP	iShares MSCI Pacific ex-Japan ETF	-1.01%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.94%
EWH	iShares MSCI Hong Kong ETF	-0.94%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.89%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.86%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.82%
IPAC	iShares Core MSCI Pacific ETF	-0.81%
EWI	iShares MSCI Italy ETF	-0.79%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	41.46
EWY	iShares MSCI South Korea ETF	43.19
EIRL	iShares MSCI Ireland ETF	43.97
FLKR	Franklin FTSE South Korea ETF	44.11
EWJV	iShares MSCI Japan Value ETF	45.74
EWH	iShares MSCI Hong Kong ETF	46.61
IVAL	Alpha Architect International Quantitative Value ETF	46.87
AAXJ	iShares MSCI All Country Asia ex Japan ETF	47.07
AIA	iShares Asia 50 ETF	47.19
SCJ	iShares MSCI Japan Small-Cap ETF	47.31

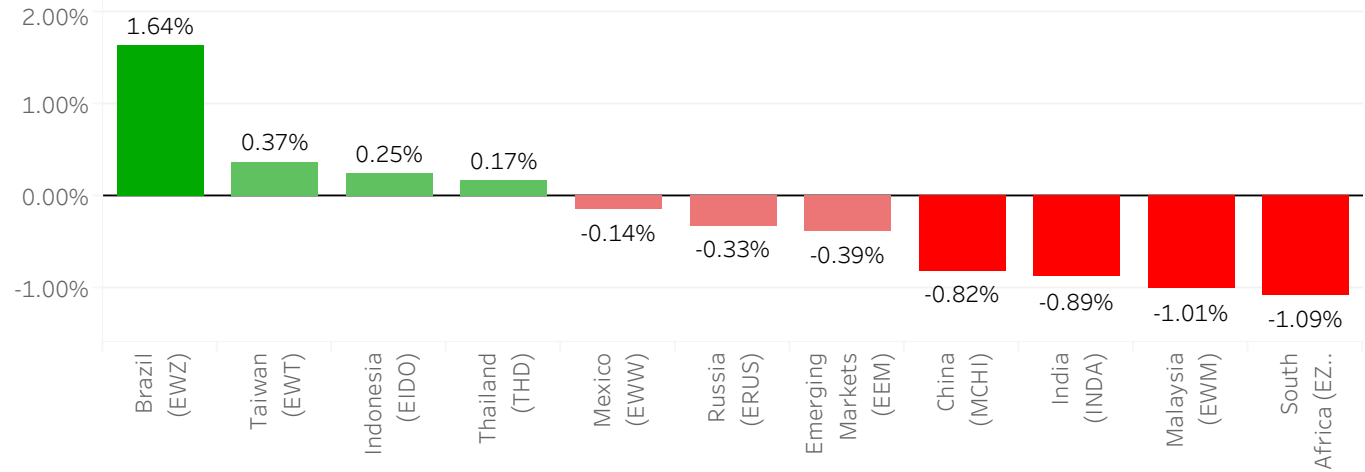
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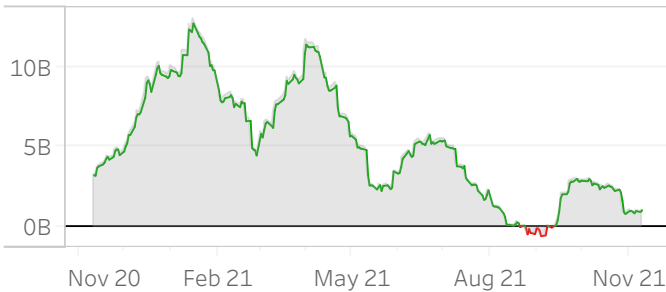
Emerging (EEM)



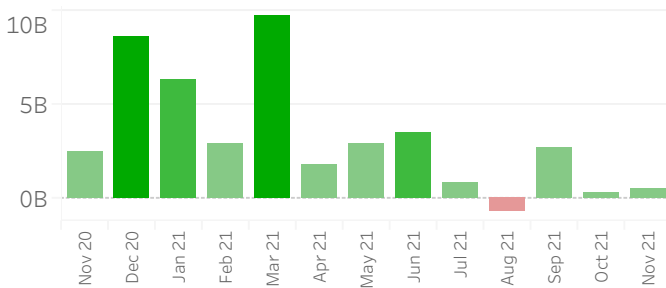
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	3.01%
ECH	iShares MSCI Chile ETF	2.94%
FLBR	Franklin FTSE Brazil ETF	1.74%
EWZ	iShares MSCI Brazil ETF	1.64%
ILF	iShares Latin America 40 ETF	0.79%
PIE	Invesco DWA Emerging Markets Momentum ETF	0.77%
EWT	iShares MSCI Taiwan ETF	0.37%
FRDM	Freedom 100 Emerging Markets ETF	0.29%
QAT	iShares MSCI Qatar ETF	0.28%
EIDO	iShares MSCI Indonesia ETF	0.25%

Emerging Most Overbought

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	72.48
QAT	iShares MSCI Qatar ETF	69.33
FM	iShares MSCI Frontier and Select EM ETF	68.15
VNM	VanEck Vietnam ETF	67.83
ECH	iShares MSCI Chile ETF	67.09
TUR	iShares MSCI Turkey ETF	66.79
EWT	iShares MSCI Taiwan ETF	65.71
PIE	Invesco DWA Emerging Markets Momentum ETF	62.97
FRDM	Freedom 100 Emerging Markets ETF	62.57
EEMS	iShares MSCI Emerging Markets Small Cap ETF	60.68

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-1.36%
EZA	iShares MSCI South Africa ETF	-1.09%
INDY	iShares India 50 ETF	-1.07%
FNI	First Trust Chindia ETF	-1.04%
EWM	iShares MSCI Malaysia ETF	-1.01%
EPOL	iShares MSCI Poland ETF	-0.94%
INDA	iShares MSCI India ETF	-0.89%
KSA	iShares MSCI Saudi Arabia ETF	-0.87%
EPI	WisdomTree India Earnings Fund	-0.87%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.85%

Emerging Most Oversold

Ticker	Fund	Value
EWM	iShares MSCI Malaysia ETF	35.53
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	37.87
FEM	First Trust Emerging Markets AlphaDEX Fund	40.28
DEM	WisdomTree Emerging Markets High Dividend Fund	41.48
MCHI	iShares MSCI China ETF	41.83
FLCH	Franklin FTSE China ETF	41.96
GXC	SPDR S&P China ETF	42.25
FXI	iShares China Large-Cap ETF	42.79
BKF	iShares MSCI BRIC ETF	43.90
ILF	iShares Latin America 40 ETF	44.46

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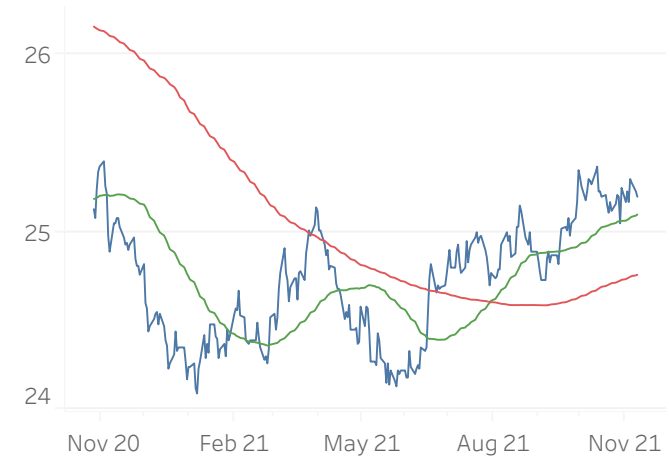
### Fixed Income (AGG)



### Commodities (DJP)



### Currencies (UUP)



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

### Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	0.28%	1.21%	-0.93%
SHY	1-3 Year Treasury Bonds	0.06%	-0.13%	-0.33%
IEF	7-10 Year Treasury Bonds	0.46%	1.22%	-2.87%
TLT	20+ Year Treasury Bonds	1.30%	6.54%	-3.05%
TIP	TIPS Bonds	0.58%	2.51%	6.22%
FLOT	Floating Rate Bonds	0.00%	0.04%	0.48%
LQD	Investment Grade Corporate	0.27%	2.53%	-0.47%
HYG	High Yield Corporate	0.08%	1.13%	3.59%
BKLN	Senior Loan	0.09%	0.21%	2.12%
PFF	Preferred & Income Securities	-0.15%	2.36%	5.99%
MUB	Municipal Bonds	0.20%	0.67%	0.82%
MBB	MBS	0.06%	0.22%	-0.85%
EMB	Dollar Denominated EM Bonds	0.18%	2.24%	-1.23%
LEMB	Local Currency EM Bond	0.26%	0.07%	-6.72%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.33%	-0.20%	36.26%
DBE	Energy	1.21%	3.02%	69.83%
USO	WTI Crude Oil	1.54%	4.51%	75.61%
BNO	Brent Crude Oil	1.44%	3.63%	75.00%
UNG	Natural Gas	-8.36%	-14.55%	80.00%
UGA	Gasoline	1.94%	2.85%	75.44%
DBP	Precious Metals	0.12%	4.84%	-5.97%
GLD	Gold	0.49%	4.30%	-3.96%
SLV	Silver	-0.53%	7.54%	-8.30%
PPLT	Platinum	0.06%	3.39%	-1.82%
PALL	Palladium	-2.71%	-2.82%	-18.08%
DBB	Base Metals	-0.48%	-3.33%	21.15%
CPER	Copper	-0.63%	2.25%	23.14%
LD	Lead	-0.90%	5.80%	19.48%
JJN	Nickel	-0.82%	1.00%	15.93%
JJU	Aluminum	-1.04%	-13.77%	27.25%
JJT	Tin	0.33%	3.30%	111.31%
DBA	Agriculture	0.73%	-0.26%	19.95%
CORN	Corn	0.87%	4.17%	34.66%
SOYB	Soybeans	1.92%	-2.88%	9.19%
WEAT	Wheat	1.60%	6.56%	23.42%
CANE	Sugar	-0.21%	-0.28%	42.67%
BAL	Cotton	1.78%	7.49%	45.38%
NIB	Cocoa	0.75%	-13.54%	-9.17%
JO	Coffee	1.88%	1.89%	50.95%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.12%	-0.28%	3.96%
UDN	Short Dollar	0.10%	0.10%	-5.10%
FXE	Euro	0.06%	0.16%	-5.92%
FXB	British Pound Sterling	-0.01%	-0.46%	-1.16%
FXF	Swiss Franc	0.25%	1.64%	-3.85%
FXY	Japanese Yen	0.34%	-0.55%	-8.98%
FXC	Canadian Dollar	0.00%	0.20%	1.93%
FXA	Australian Dollar	-0.54%	0.96%	-4.59%

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