

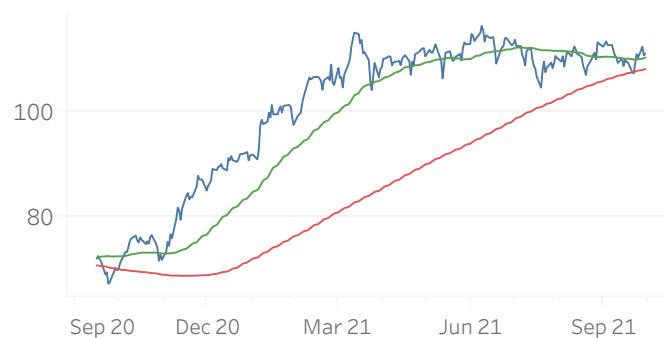
Large Cap Blend (S&P 500) IVV



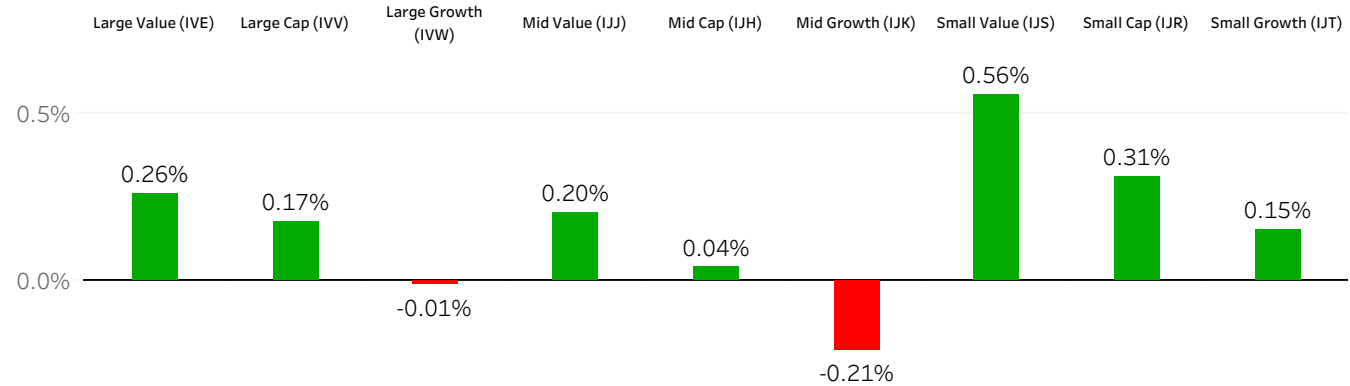
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SMDV	ProShares Russell 2000 Dividend Growers ETF	1.05%
ALTL	Pacer Lunt Large Cap Alternator ETF	1.03%
SPLV	Invesco S&P 500 Low Volatility ETF	1.00%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.95%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.94%
DIV	Global X SuperDividend US ETF	0.87%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	0.84%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	0.83%
FAB	First Trust Multi Cap Value AlphaDEX Fund	0.83%
SIXL	6 Meridian Low Beta Equity Strategy ETF	0.83%

Size & Style Most Overbought

Ticker	Fund	Price
RWJ	Invesco S&P SmallCap 600 Revenue ETF	60.89
XSVM	Invesco S&P SmallCap Value with Momentum ETF	59.82
AVUV	Avantis U.S. Small Cap Value ETF	59.51
CALF	Pacer US Small Cap Cash Cows 100 ETF	58.43
RZV	Invesco S&P Smallcap 600 Pure Value ETF	58.36
SIXS	6 Meridian Small Cap Equity ETF	57.41
SLYV	SPDR S&P 600 Small Cap Value ETF	57.26
SVAL	iShares US Small Cap Value Factor ETF	57.03
IJS	iShares S&P Small-Cap 600 Value ETF	56.60
FYT	First Trust Small Cap Value AlphaDEX Fund	56.55

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-1.36%
BUZZ	VanEck Social Sentiment ETF	-1.29%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-1.14%
SPHB	Invesco S&P 500 High Beta ETF	-0.91%
QQQN	VictoryShares Nasdaq Next 50 ETF	-0.88%
MTUM	iShares MSCI USA Momentum Factor ETF	-0.75%
AIEQ	AI Powered Equity ETF	-0.72%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	-0.72%
IWC	iShares Micro-Cap ETF	-0.71%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-0.60%

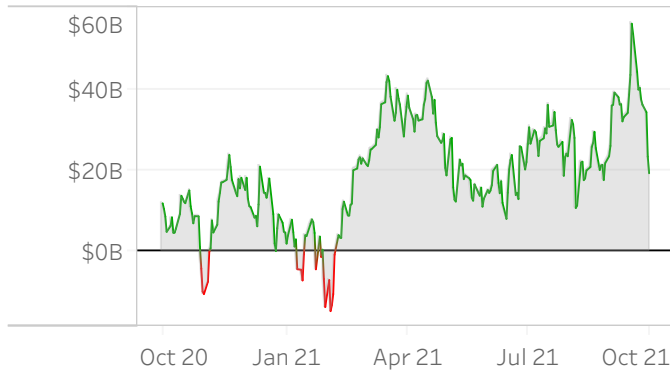
Size & Style Most Oversold

Ticker	Fund	Price
QUAL	iShares MSCI USA Quality Factor ETF	30.74
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	31.87
NULG	Nuveen ESG Large-Cap Growth ETF	32.01
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	32.13
FCTR	First Trust Lunt U.S. Factor Rotation ETF	32.31
QQQM	Invesco NASDAQ 100 ETF	32.36
IUSG	iShares Core S&P U.S. Growth ETF	32.45
QQQ	Invesco QQQ Trust	32.56
IWY	iShares Russell Top 200 Growth ETF	32.59
QLV	FlexShares US Quality Low Volatility Index Fund	32.62

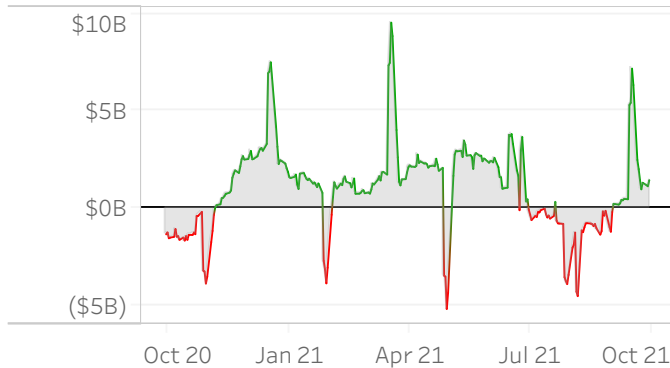
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

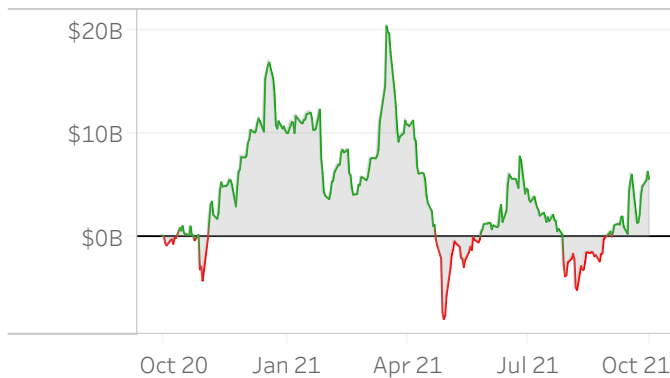
Large-Cap 30-Day Rolling Flows



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
Small Cap, Beta, Beta	12	\$216B	\$1.60B	\$3.05B	\$3.93B	\$26.05B
Large Cap, Beta Growth, Beta: Value	11	\$197B	\$0.52B	\$2.96B	\$12.50B	\$32.00B
Mid Cap, Beta, Beta	10	\$183B	\$0.31B	\$0.91B	\$2.98B	\$8.71B
Large Cap, Beta Growth, Beta: Growth	10	\$251B	\$0.22B	\$6.73B	\$8.92B	\$4.24B
Small Cap, Beta, Beta: Value	7	\$56B	\$0.22B	(\$1.19B)	\$0.74B	\$9.19B
Small Cap, Beta, Beta: Growth	7	\$38B	\$0.06B	\$0.40B	\$0.01B	\$1.79B
Mid Cap, Beta, Beta: Growth	6	\$39B	\$0.02B	\$0.10B	(\$1.17B)	(\$2.31B)
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.01B)	(\$0.27B)	\$1.59B	\$3.99B
Large Cap, Beta Growth, Beta	24	\$1,240B	(\$7.91B)	\$34.38B	\$60.49B	\$81.72B

U.S. Size & Style Flow Leaders

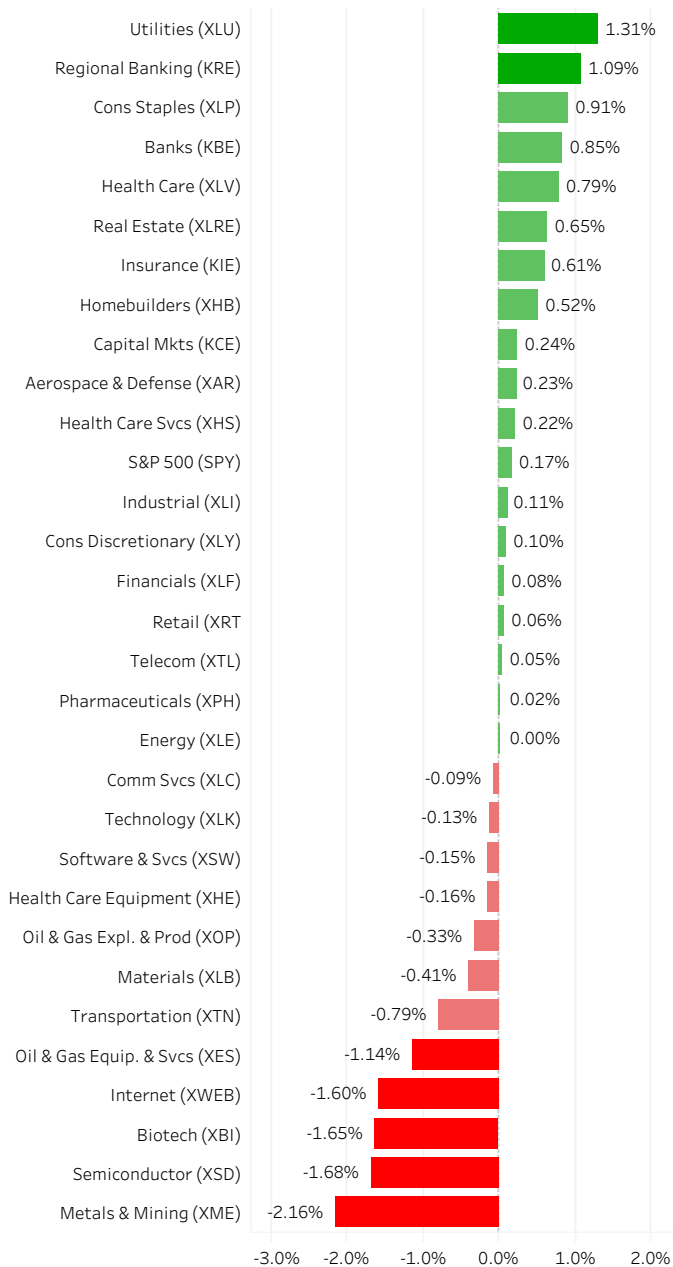
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$1.30B	\$1.07B	(\$0.92B)	\$9.50B	\$68.31B
IWF	iShares Russell 1000 Growth ETF	\$0.80B	\$1.95B	\$0.48B	(\$1.49B)	\$72.32B
VTI	Vanguard Total Stock Market ETF	\$0.72B	\$10.95B	\$21.83B	\$45.65B	\$264.95B
PDP	Invesco DWA Momentum ETF	\$0.58B	\$0.21B	(\$0.03B)	\$0.04B	\$2.40B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.44B	(\$0.17B)	\$0.01B	\$0.91B	\$15.60B
SCHD	Schwab US Dividend Equity ETF	\$0.31B	\$2.16B	\$6.20B	\$10.34B	\$27.91B
VTV	Vanguard Value ETF	\$0.25B	\$2.21B	\$7.94B	\$15.72B	\$83.61B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$0.23B	\$0.47B	\$0.86B	\$1.26B	\$9.07B
VBR	Vanguard Small Cap Value ETF	\$0.15B	\$0.65B	\$1.45B	\$4.24B	\$24.98B
DWAS	Invesco DWA SmallCap Momentum ETF	\$0.14B	(\$0.04B)	(\$0.09B)	\$0.12B	\$0.59B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$4.77B)	(\$0.93B)	\$3.48B	\$10.46B	\$289.55B
QQQ	Invesco QQQ Trust	(\$3.07B)	\$3.55B	\$9.00B	\$9.86B	\$182.95B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.37B)	\$0.99B	\$2.49B	\$1.93B	\$13.57B
VOO	Vanguard S&P 500 ETF	(\$0.28B)	\$13.71B	\$23.36B	\$38.13B	\$250.00B
DGRO	iShares Core Dividend Growth ETF	(\$0.20B)	\$0.63B	\$1.71B	\$4.57B	\$19.92B
JVAL	JPMorgan U.S. Value Factor ETF	(\$0.17B)	(\$0.59B)	(\$0.21B)	\$0.38B	\$0.51B
VUG	Vanguard Growth ETF	(\$0.12B)	\$1.63B	\$3.36B	\$4.00B	\$82.06B
FLQL	Franklin LibertyQ U.S. Equity ETF	(\$0.12B)	(\$0.31B)	(\$0.33B)	(\$0.48B)	\$1.05B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.10B)	(\$0.60B)	(\$3.11B)	(\$11.38B)	\$27.06B
IVW	iShares S&P 500 Growth ETF	(\$0.10B)	\$0.30B	(\$0.33B)	(\$2.83B)	\$35.31B

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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)
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.83%	27.64%	0.23%	5.09%	49.30
XLF	Financial Select Sector SPDR Fund	-2.23%	61.50%	1.12%	8.40%	53.39
XLP	Consumer Staples Select Sector SPDR Fund	-3.93%	12.59%	-2.14%	1.62%	39.04
SPY	SPDR S&P 500 ETF Trust	-4.14%	33.05%	-2.11%	5.07%	38.58
XLI	Industrial Select Sector SPDR Fund	-5.34%	33.42%	-2.91%	1.28%	40.73
XLK	Technology Select Sector SPDR Fund	-5.82%	35.67%	-3.29%	6.06%	34.81
XLV	Health Care Select Sector SPDR Fund	-5.82%	26.78%	-3.39%	4.70%	34.04
XLE	Energy Select Sector SPDR Fund	-5.87%	90.87%	7.96%	8.30%	65.83
XLC	Communication Services Select Sector SPDR Fund	-6.61%	36.81%	-3.49%	4.42%	33.17
XLRE	Real Estate Select Sector SPDR Fund	-7.31%	32.93%	-3.43%	7.18%	34.52
XLU	Utilities Select Sector SPDR Fund	-8.11%	10.33%	-4.64%	-0.51%	31.61
XLB	Materials Select Sector SPDR Fund	-9.38%	29.74%	-3.91%	-0.42%	37.60

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PBJ	Invesco Dynamic Food & Beverage ETF	1.59%
FXU	First Trust Utilities AlphaDEX Fund	1.39%
QABA	First Trust NASDAQ ABA Community Bank Index F..	1.36%
FUTY	Fidelity MSCI Utilities Index ETF	1.34%
XLU	Utilities Select Sector SPDR Fund	1.31%
FXG	First Trust Consumer Staples AlphaDEX Fund	1.29%
REZ	iShares Residential and Multisector Real Estate E..	1.29%
VPU	Vanguard Utilities ETF	1.28%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	1.15%
IDU	iShares U.S. Utilities ETF	1.14%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PXI	Invesco DWA Energy Momentum ETF	70.81
FCG	First Trust Natural Gas ETF	70.79
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	70.25
PXE	Invesco Dynamic Energy Exploration & Production ETF	69.73
RYE	Invesco S&P 500 Equal Weight Energy ETF	68.25
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	67.60
FXN	First Trust Energy AlphaDEX Fund	67.42
FENY	Fidelity MSCI Energy Index ETF	66.64
PSCE	Invesco S&P SmallCap Energy ETF	66.49
XLE	Energy Select Sector SPDR Fund	65.83

Sector & Industry 1 Day Performance Laggards

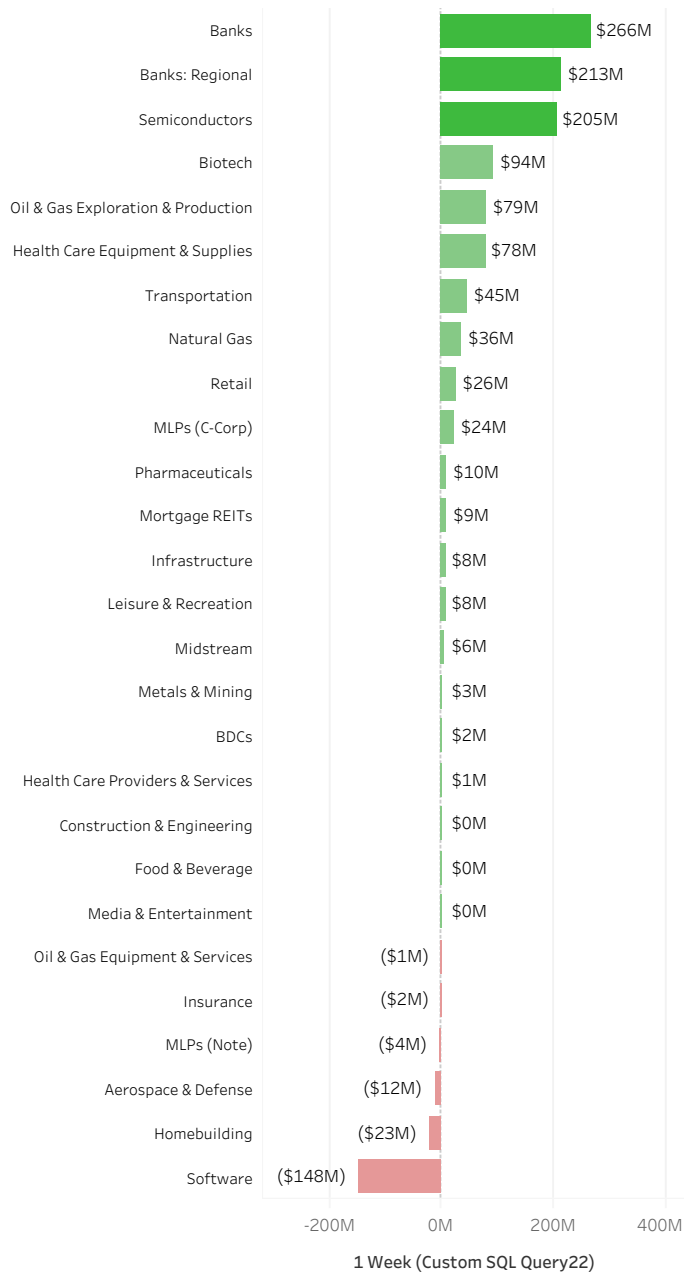
Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	-2.16%
PSI	Invesco Dynamic Semiconductors ETF	-2.15%
XSD	SPDR S&P Semiconductor ETF	-1.68%
XBI	SPDR S&P BIOTECH ETF	-1.65%
XWEB	SPDR S&P Internet ETF	-1.60%
SOXX	iShares Semiconductor ETF	-1.58%
SOXQ	Invesco PHLX Semiconductor ETF	-1.53%
PNQI	Invesco NASDAQ Internet ETF	-1.34%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-1.19%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.14%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
VPU	Vanguard Utilities ETF	26.71
PSJ	Invesco Dynamic Software ETF	30.32
PNQI	Invesco NASDAQ Internet ETF	30.37
IDU	iShares U.S. Utilities ETF	31.00
RYU	Invesco S&P 500 Equal Weight Utilities ETF	31.01
XLU	Utilities Select Sector SPDR Fund	31.61
VHT	Vanguard Health Care ETF	31.81
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	32.07
FUTY	Fidelity MSCI Utilities Index ETF	32.20
IBB	iShares Biotechnology ETF	32.43

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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	\$22B	\$205M	\$1,907M	\$2,364M	\$2,801M
Consumer Discretionary	13	\$34B	(\$46M)	(\$279M)	\$102M	\$3,290M
Consumer Staples	12	\$20B	(\$24M)	\$598M	\$796M	(\$3,237M)
Energy	34	\$52B	\$755M	(\$1,075M)	\$327M	\$11,298M
Financials	28	\$79B	\$1,435M	(\$847M)	\$2,163M	\$22,309M
Health Care	25	\$89B	(\$259M)	\$4,316M	\$4,725M	\$3,979M
Industrial	14	\$34B	\$148M	(\$2,672M)	(\$3,189M)	\$3,614M
Materials	10	\$16B	\$14M	(\$2,171M)	\$1,846M	\$5,895M
Multi-Sector	16	\$24B	(\$2M)	\$517M	\$1,515M	\$3,178M
Real Estate	21	\$73B	\$12M	\$2,782M	\$8,191M	\$13,326M
Technology	24	\$137B	\$75M	\$2,582M	\$2,981M	\$2,409M
Utilities	10	\$19B	(\$126M)	\$788M	\$562M	\$274M

U.S. Sector & Industry Flow Leaders

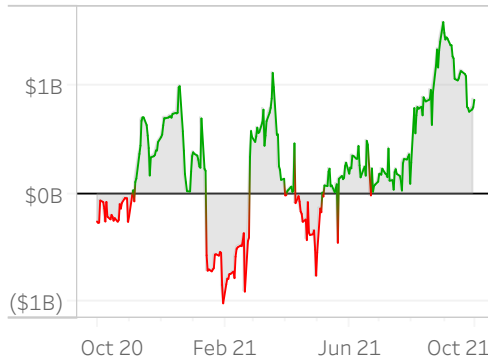
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$697M	(\$877M)	(\$930M)	\$11,991M	\$41,340M
XLE	Energy Select Sector SPDR Fund	\$527M	\$125M	\$968M	\$8,413M	\$25,233M
KBWB	Invesco KBW Bank ETF	\$230M	\$681M	\$636M	\$1,587M	\$3,153M
KRE	SPDR S&P Regional Banking ETF	\$207M	(\$344M)	\$103M	\$2,558M	\$4,873M
XLC	Communication Services Select Sector SPDR Fu..	\$178M	\$1,311M	\$1,549M	\$1,613M	\$15,259M
VFH	Vanguard Financials ETF	\$173M	(\$152M)	\$631M	\$1,729M	\$11,086M
SOXX	iShares Semiconductor ETF	\$165M	\$490M	\$562M	\$1,703M	\$7,297M
PTH	Invesco DWA Healthcare Momentum ETF	\$157M	(\$22M)	(\$249M)	(\$116M)	\$649M
IBB	iShares Biotechnology ETF	\$104M	(\$82M)	(\$132M)	(\$149M)	\$10,630M
PTF	Invesco DWA Technology Momentum ETF	\$95M	\$6M	(\$53M)	(\$48M)	\$374M

U.S. Sector & Industry Flow Laggards

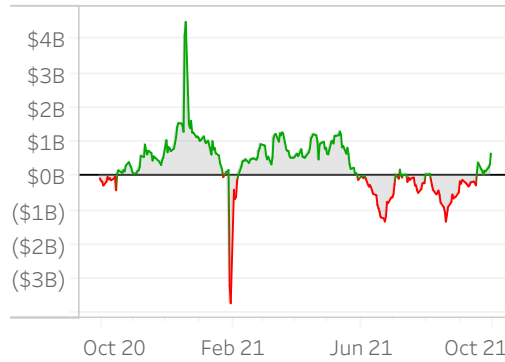
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$707M)	\$2,601M	\$3,954M	\$2,334M	\$30,871M
VGT	Vanguard Information Technology ETF	(\$223M)	\$550M	\$1,659M	\$1,307M	\$48,819M
XLU	Utilities Select Sector SPDR Fund	(\$175M)	\$558M	\$149M	(\$124M)	\$12,064M
IYR	iShares U.S. Real Estate ETF	(\$168M)	(\$12M)	\$2,230M	\$2,748M	\$7,376M
IGV	iShares Expanded Tech-Software Sector ETF	(\$161M)	\$213M	(\$292M)	(\$1,212M)	\$5,404M
XLP	Consumer Staples Select Sector SPDR Fund	(\$72M)	\$370M	\$670M	(\$2,694M)	\$11,883M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$64M)	(\$618M)	(\$838M)	\$392M	\$20,005M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	(\$48M)	(\$211M)	(\$224M)	\$312M	\$688M
XHB	SPDR S&P Homebuilders ETF	(\$30M)	(\$259M)	(\$62M)	(\$75M)	\$1,714M
PSJ	Invesco Dynamic Software ETF	(\$17M)	(\$71M)	(\$123M)	(\$136M)	\$466M

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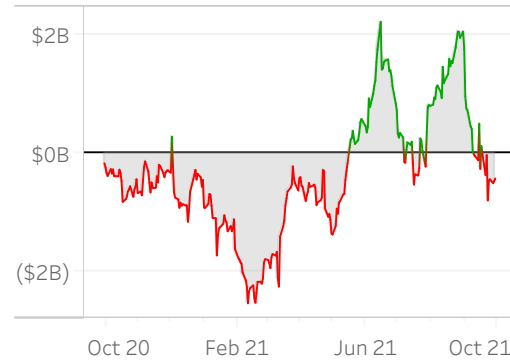
Communication Services



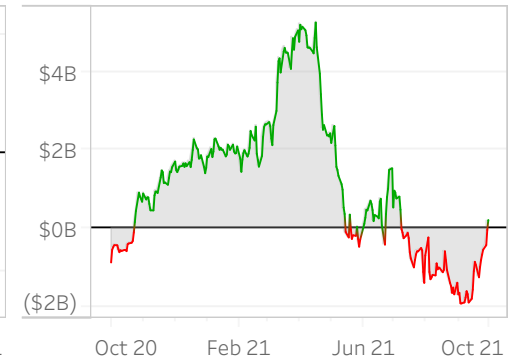
Consumer Discretionary



Consumer Staples



Energy



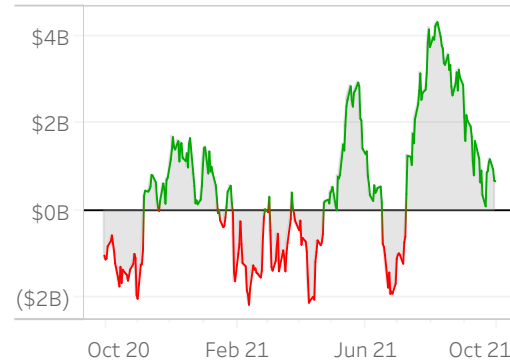
Financials



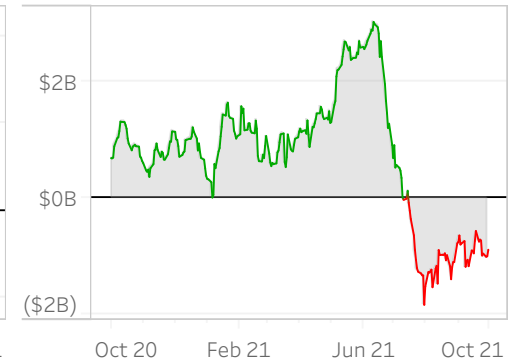
Industrial



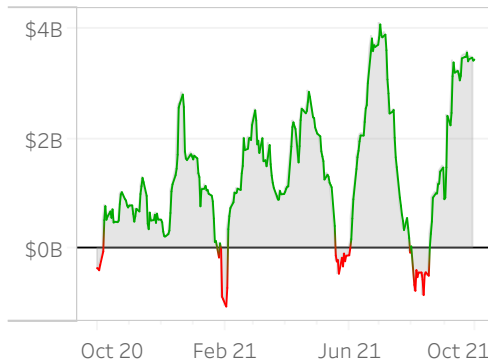
Health Care



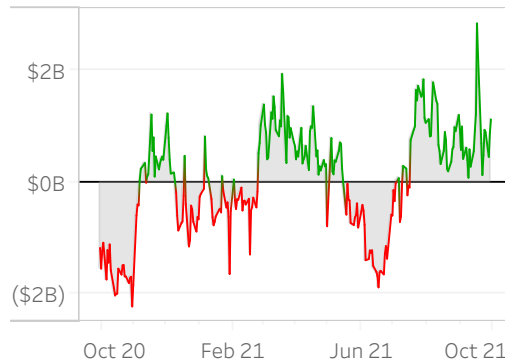
Materials



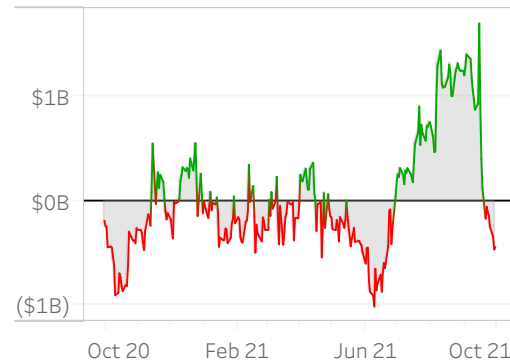
Real Estate



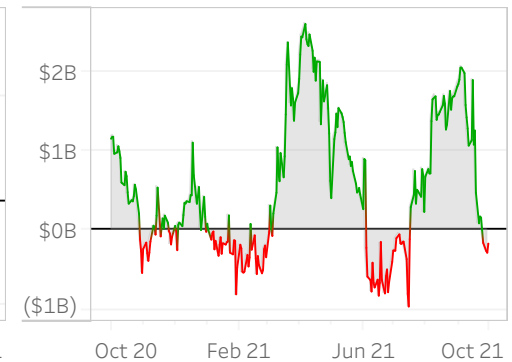
Technology



Utilities

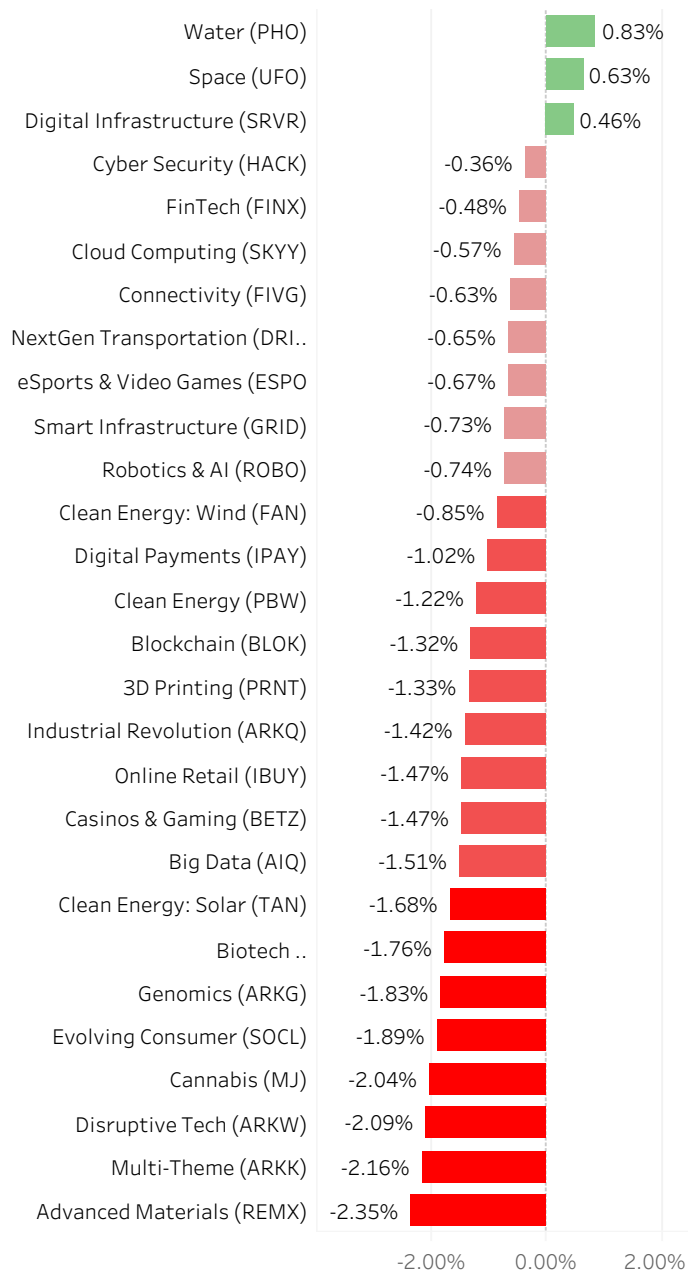


Multi-Sector

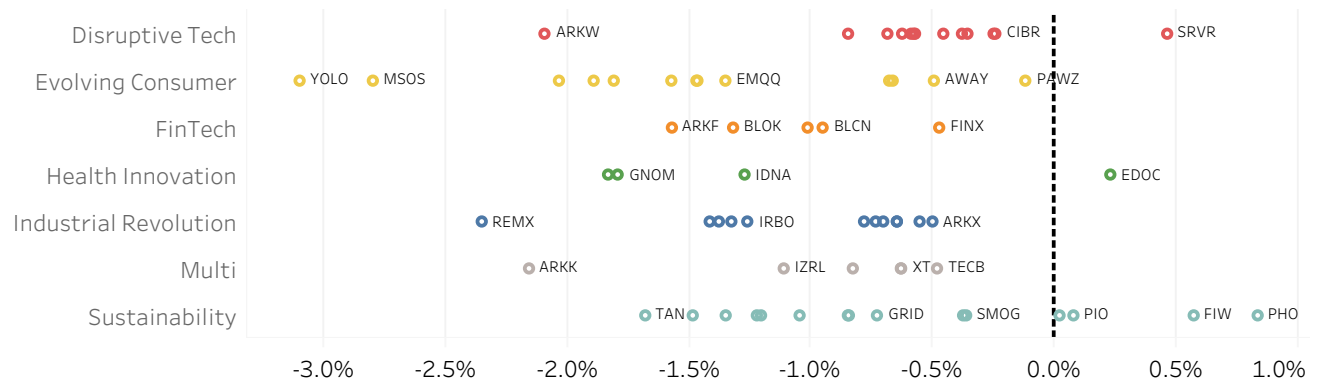


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PHO	Invesco Water Resources ETF	0.83%
UFO	Procure Space ETF	0.63%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	0.60%
FIW	First Trust Water ETF	0.57%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	0.46%
EVX	VanEck Environmental Services ETF	0.43%
EBLU	Ecofin Global Water ESG Fund	0.31%
AGNG	Global X Aging Population ETF	0.27%
EDOC	Global X Telemedicine & Digital Health ETF	0.23%
PIO	Invesco Global Water ETF	0.07%

Thematic Most Overbought

Ticker	Fund	1-Day Performance
AWAY	ETFMG Travel Tech ETF	56.74
UFO	Procure Space ETF	47.09
EVX	VanEck Environmental Services ETF	46.37
SBIO	ALPS Medical Breakthroughs ETF	45.47
MSOS	AdvisorShares Pure US Cannabis ETF	44.72
HAIL	SPDR S&P Kensho Smart Mobility ETF	44.22
BETZ	Roundhill Sports Betting & iGaming ETF	43.14
LEGR	First Trust Indxx Innovative Transaction & Process ETF	42.44
DRIV	Global X Autonomous & Electric Vehicles ETF	41.64
PBW	Invesco WilderHill Clean Energy ETF	41.61

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
YOLO	AdvisorShares Pure Cannabis ETF	-3.10%
MSOS	AdvisorShares Pure US Cannabis ETF	-2.80%
BITQ	Bitwise Crypto Industry Innovators ETF	-2.44%
REMX	VanEck Rare Earth/Strategic Metals ETF	-2.35%
CNBS	Amplify Seymour Cannabis ETF	-2.23%
THCX	Cannabis ETF	-2.22%
ARKK	ARK Innovation ETF	-2.16%
ARKW	ARK Next Generation Internet ETF	-2.09%
POTX	Global X Cannabis ETF	-2.08%
MJ	ETFMG Alternative Harvest ETF	-2.04%

Thematic Most Oversold

Ticker	Fund	1-Day Performance
PIO	Invesco Global Water ETF	24.97
HERO	Global X Video Games & Esports ETF	26.48
GAMR	Wedbush ETFMG Video Game Tech ETF	27.13
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	27.96
ARKG	ARK Genomic Revolution ETF	28.25
EBLU	Ecofin Global Water ESG Fund	28.89
KEMQ	KraneShares Emerging Markets Consumer Technology In..	29.73
HTEC	ROBO Global Healthcare Technology and Innovation ETF	30.52
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	30.80
PRNT	3D Printing ETF	31.09

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$61M
MSOS	AdvisorShares Pure US Cannabis ETF	\$56M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$51M
AWAY	ETFMG Travel Tech ETF	\$34M
LIT	Global X Lithium & Battery Tech ETF	\$20M
PBW	Invesco WilderHill Clean Energy ETF	\$14M
TAN	Invesco Solar ETF	\$13M
FINX	Global X FinTech ETF	\$13M
BUG	Global X Cybersecurity ETF	\$11M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$10M

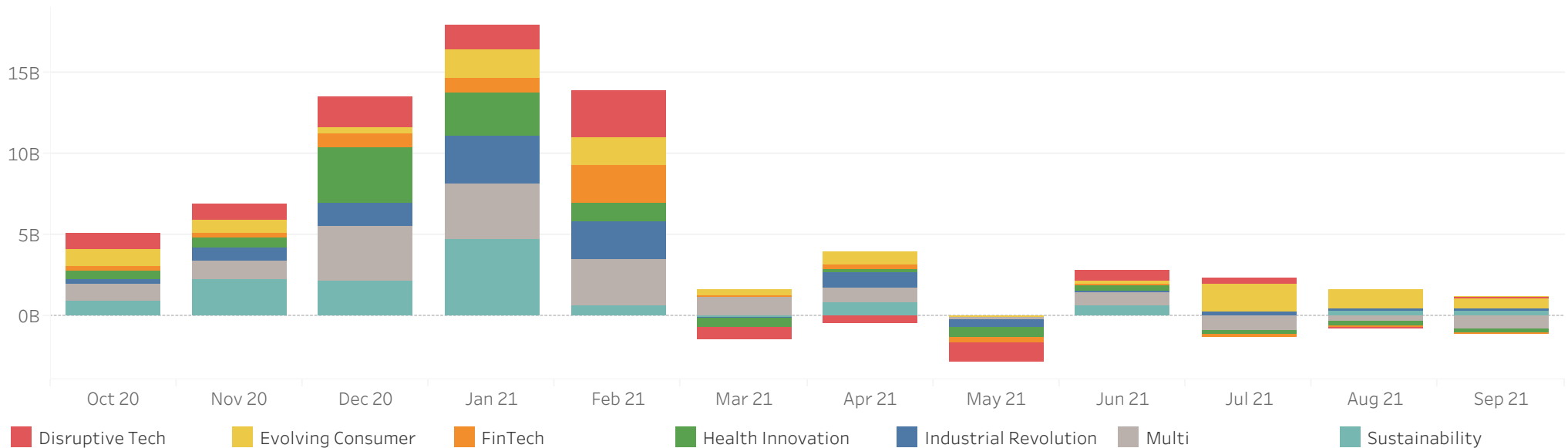
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$637M)
ARKG	ARK Genomic Revolution ETF	(\$124M)
ARKW	ARK Next Generation Internet ETF	(\$122M)
ARKF	ARK Fintech Innovation ETF	(\$50M)
ONLN	ProShares Online Retail ETF	(\$42M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$33M)
IBUY	Amplify Online Retail ETF	(\$29M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$15M)
WCLD	WisdomTree Cloud Computing Fund	(\$15M)
ARKX	ARK Space Exploration & Innovation ETF	(\$12M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$28B	(\$66M)	\$375M	(\$613M)	\$6,897M
Evolving Consumer	38	\$16B	\$80M	\$3,591M	\$4,666M	\$10,663M
FinTech	14	\$8B	(\$23M)	(\$250M)	(\$174M)	\$4,652M
Health Innovation	14	\$9B	(\$134M)	(\$773M)	(\$830M)	\$7,064M
Industrial Revolution	22	\$17B	(\$37M)	\$574M	\$1,177M	\$8,507M
Multi	28	\$28B	(\$652M)	(\$1,997M)	(\$250M)	\$12,447M
Sustainability	33	\$22B	\$36M	\$635M	\$2,139M	\$12,948M
Grand Total	178	\$128B	(\$797M)	\$2,155M	\$6,115M	\$63,179M

Thematic Monthly Flows

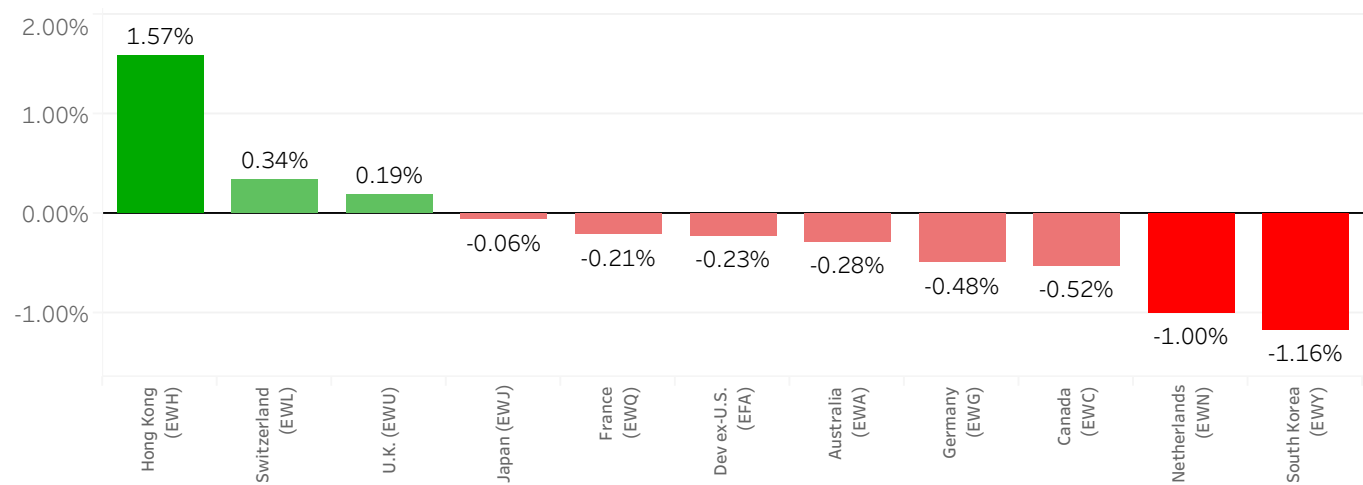


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

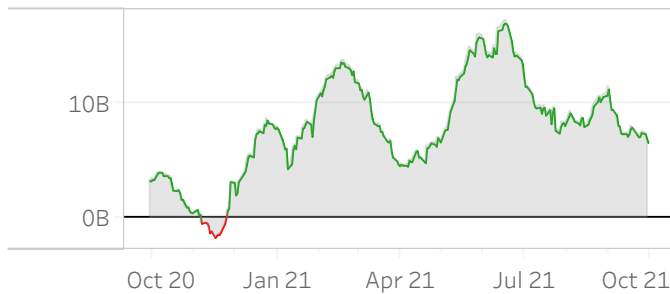
Developed ex-U.S. (EFA)



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



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



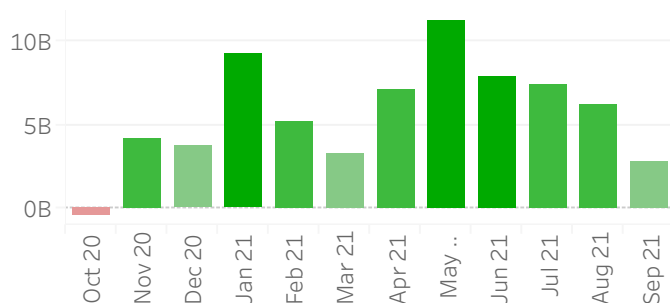
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	1.57%
LVHI	Legg Mason International Low Volatility High Dividend ETF	0.80%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.50%
DXJ	WisdomTree Japan Hedged Equity Fund	0.45%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	0.45%
GREK	Global X MSCI Greece ETF	0.44%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.42%
HEFA	iShares Currency Hedged MSCI EAFE ETF	0.39%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.37%
DTH	WisdomTree International High Dividend Fund	0.37%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	58.43
HEWJ	iShares Currency Hedged MSCI Japan ETF	54.44
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	54.29
IVLU	iShares MSCI Intl Value Factor ETF	47.97
FLJP	Franklin FTSE Japan ETF	47.89
EWO	iShares MSCI Austria ETF	47.55
EIS	iShares MSCI Israel ETF	47.54
BBJP	JPMorgan BetaBuilders Japan ETF	47.01
EWJ	iShares MSCI Japan ETF	46.52
FNDF	Schwab Fundamental International Large Co. Index ETF	46.31

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.45%
EWY	iShares MSCI South Korea ETF	-1.16%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-1.08%
EWD	iShares MSCI Sweden ETF	-1.02%
EWN	iShares MSCI Netherlands ETF	-1.00%
AIA	iShares Asia 50 ETF	-0.96%
IEUS	iShares MSCI Europe Small-Cap ETF	-0.95%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.89%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.89%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.78%

Developed ex-U.S. Most Oversold

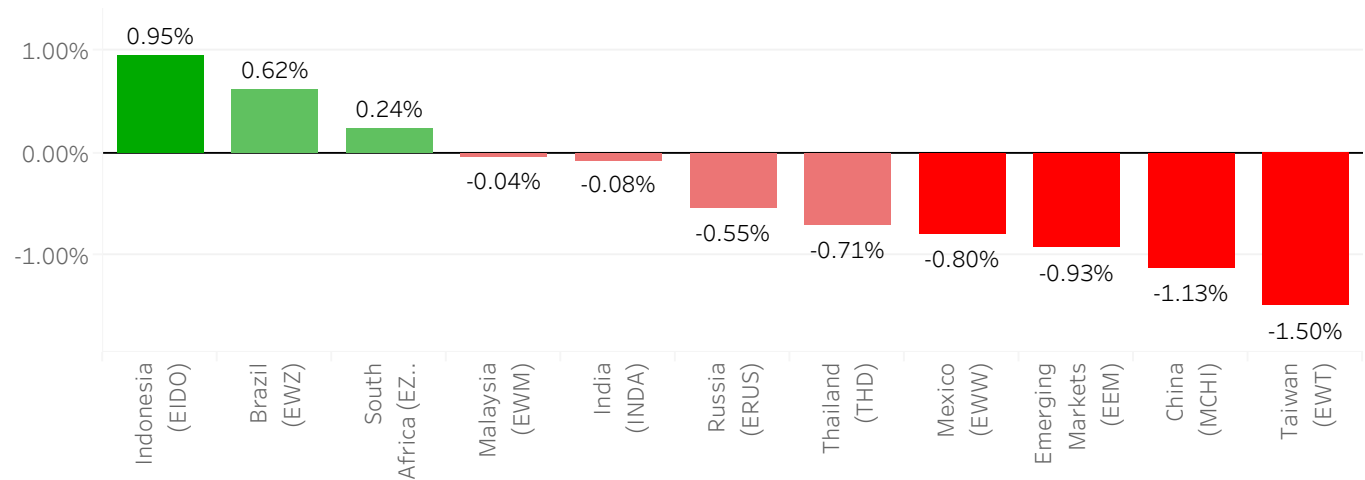
Ticker	Fund	Value
RFDI	First Trust Riverfront Dynamic Developed Internatio..	24.55
EUDG	WisdomTree Europe Quality Dividend Growth Fund	25.82
IQDG	WisdomTree International Quality Dividend Growth ..	26.41
EFAD	ProShares MSCI EAFE Dividend Growers ETF	26.57
EWL	iShares MSCI Switzerland ETF	26.62
QLVD	FlexShares Developed Markets ex-US Quality Low V..	27.55
PIZ	Invesco DWA Developed Markets Momentum ETF	27.57
IDLV	Invesco S&P International Developed Low Volatility ..	27.89
EFAV	iShares MSCI EAFE Min Vol Factor ETF	28.06
FSZ	First Trust Switzerland AlphaDEX Fund	28.56

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

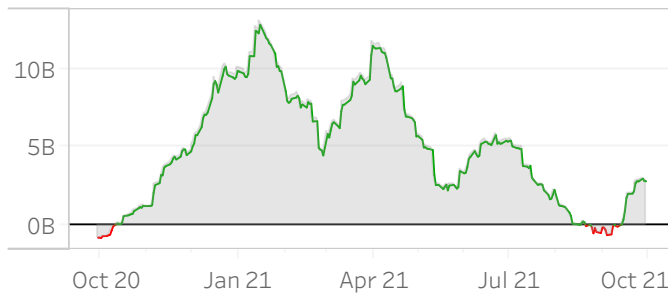
Emerging (EEM)



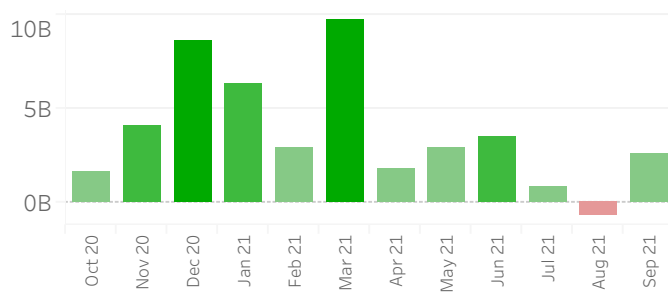
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	0.95%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.79%
SMIN	iShares MSCI India Small Cap ETF	0.79%
EWZ	iShares MSCI Brazil ETF	0.62%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.59%
EPI	WisdomTree India Earnings Fund	0.56%
FLBR	Franklin FTSE Brazil ETF	0.52%
QAT	iShares MSCI Qatar ETF	0.40%
EZA	iShares MSCI South Africa ETF	0.24%
PIN	Invesco India ETF	0.21%

Emerging Most Overbought

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	71.67
EPI	WisdomTree India Earnings Fund	58.36
ERUS	iShares MSCI Russia ETF	58.06
INDY	iShares India 50 ETF	56.54
NFTY	First Trust India NIFTY 50 Equal Weight ETF	56.48
SMIN	iShares MSCI India Small Cap ETF	55.08
RSX	VanEck Russia ETF	52.80
INDA	iShares MSCI India ETF	52.75
PIN	Invesco India ETF	51.94
KSA	iShares MSCI Saudi Arabia ETF	50.88

Emerging 1-Day Performance Laggards

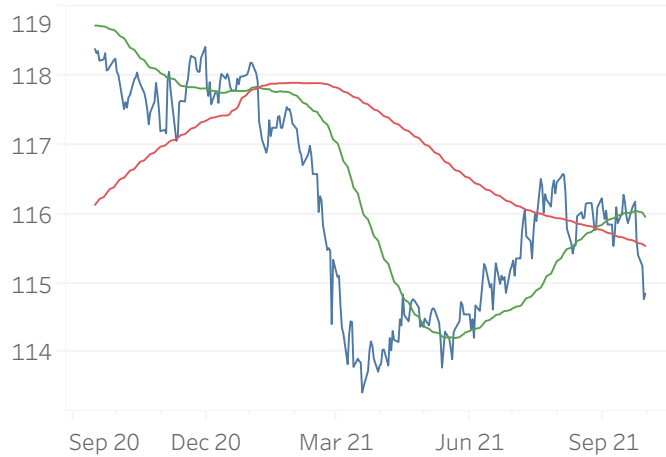
Ticker	Fund	1-Day Performance
EYLD	Cambria Emerging Shareholder Yield ETF	-1.63%
EWT	iShares MSCI Taiwan ETF	-1.50%
PGJ	Invesco Golden Dragon China ETF	-1.45%
PIE	Invesco DWA Emerging Markets Momentum ETF	-1.32%
GXC	SPDR S&P China ETF	-1.23%
KBA	KraneShares Bosera MSCI China A Share ETF	-1.14%
MCHI	iShares MSCI China ETF	-1.13%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.11%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-1.10%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	-1.02%

Emerging Most Oversold

Ticker	Fund	Value
EYLD	Cambria Emerging Shareholder Yield ETF	28.82
TUR	iShares MSCI Turkey ETF	29.47
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	31.68
AFK	VanEck Africa Index ETF	32.50
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	33.20
BICK	First Trust BICK Index Fund	33.49
FRDM	Freedom 100 Emerging Markets ETF	33.51
GEM	Goldman Sachs ActiveBeta Emerging Markets Equit..	33.53
DGRE	WisdomTree Emerging Markets Quality Dividend Gr..	33.74
PIE	Invesco DWA Emerging Markets Momentum ETF	33.97

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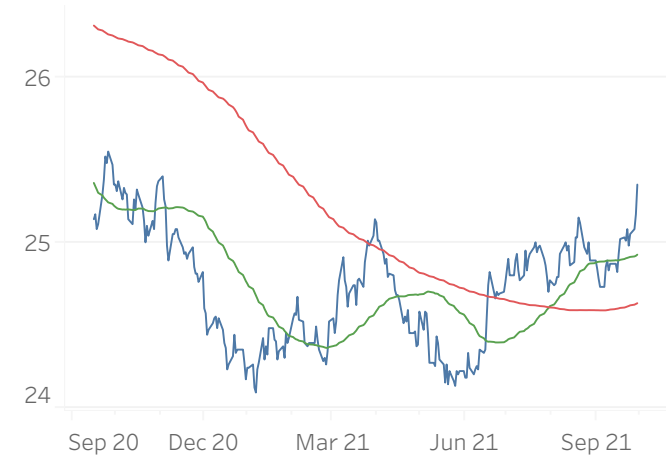
Fixed Income (AGG)



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	0.07%	-0.93%	-1.65%
SHY	1-3 Year Treasury Bonds	0.03%	-0.11%	-0.13%
IEF	7-10 Year Treasury Bonds	0.10%	-1.71%	-3.56%
TLT	20+ Year Treasury Bonds	0.17%	-3.30%	-7.53%
TIP	TIPS Bonds	0.05%	-1.10%	3.19%
FLOT	Floating Rate Bonds	0.06%	0.13%	0.54%
LQD	Investment Grade Corporate	-0.02%	-1.31%	-1.96%
HYG	High Yield Corporate	0.18%	-0.11%	3.07%
BKLN	Senior Loan	0.23%	0.52%	1.86%
PFF	Preferred & Income Securities	1.04%	-0.76%	4.38%
MUB	Municipal Bonds	-0.11%	-0.79%	0.30%
MBB	MBS	0.04%	-0.46%	-0.90%
EMB	Dollar Denominated EM Bonds	0.09%	-2.33%	-2.61%
LEMB	Local Currency EM Bond	-0.35%	-2.58%	-6.54%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.20%	3.67%	31.69%
DBE	Energy	0.12%	8.20%	54.61%
USO	WTI Crude Oil	-0.15%	8.66%	58.50%
BNO	Brent Crude Oil	-0.05%	9.51%	59.16%
UNG	Natural Gas	-6.45%	22.82%	104.78%
UGA	Gasoline	1.87%	4.65%	56.60%
DBP	Precious Metals	-1.23%	-6.51%	-12.58%
GLD	Gold	-0.45%	-5.21%	-9.55%
SLV	Silver	-3.99%	-10.66%	-18.80%
PPLT	Platinum	-1.30%	-5.71%	-11.71%
PALL	Palladium	-1.26%	-23.41%	-24.79%
DBB	Base Metals	-1.27%	2.13%	22.02%
CPER	Copper	-1.96%	-4.05%	17.34%
LD	Lead	-1.46%	-7.46%	6.82%
JJN	Nickel	-1.69%	-5.32%	8.02%
JJU	Aluminum	-0.88%	9.29%	44.01%
JJT	Tin	-0.73%	7.41%	98.82%
DBA	Agriculture	0.00%	-1.66%	17.72%
CORN	Corn	0.95%	-1.56%	29.97%
SOYB	Soybeans	0.40%	-2.08%	14.79%
WEAT	Wheat	0.58%	-2.39%	12.28%
CANE	Sugar	-0.74%	-3.41%	38.67%
BAL	Cotton	2.03%	7.61%	25.12%
NIB	Cocoa	0.99%	0.56%	-2.21%
JO	Coffee	-2.50%	1.12%	42.56%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.72%	1.85%	4.58%
UDN	Short Dollar	-0.68%	-1.86%	-5.37%
FXE	Euro	-0.84%	-1.84%	-5.82%
FXB	British Pound Sterling	-0.94%	-2.55%	-2.19%
FXF	Swiss Franc	-0.59%	-2.58%	-6.16%
FXJ	Japanese Yen	-0.43%	-2.05%	-8.24%
FXC	Canadian Dollar	-0.60%	-1.21%	-0.61%
FXA	Australian Dollar	-0.92%	-1.97%	-7.29%

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