

## Large Cap Blend (S&P 500) IVV



## Mid Cap Blend (S&P 400) IJH

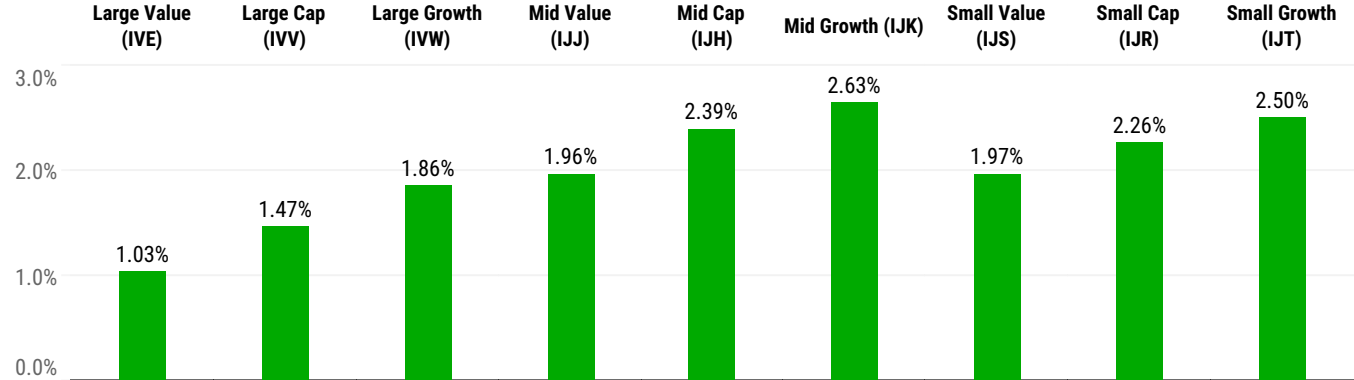


## Small Cap Blend (S&P 600) IJR



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

## U.S. Size & Style 1-Day Performance



## Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FPX	First Trust US Equity Opportunities ETF	4.15%
GSC	Goldman Sachs Small Cap Equity ETF	3.19%
CSMD	Congress SMid Growth ETF	3.14%
IPO	Renaissance IPO ETF	3.11%
CSD	Invesco S&P Spin-Off ETF	3.03%
XMMO	Invesco S&P MidCap Momentum ETF	3.02%
MVPA	Miller Value Partners Appreciation ETF	2.94%
CGMM	Capital Group U.S. Small and Mid Cap ETF	2.88%
GFLW	VictoryShares Free Cash Flow Growth ETF	2.85%
SMDX	Intech S&P Small-Mid Cap Diversified Alpha ETF	2.85%

## Size & Style Most Overbought

Ticker	Fund	Price
THIR	THOR Index Rotation ETF	78.40
FPX	First Trust US Equity Opportunities ETF	66.56
PWB	Invesco Large Cap Growth ETF	65.74
GFLW	VictoryShares Free Cash Flow Growth ETF	65.67
MTUM	iShares MSCI USA Momentum Factor ETF	65.23
QGRO	American Century U.S. Quality Growth ETF	65.22
GRNY	Fundstrat Granny Shots US Large Cap ETF	64.90
THLV	THOR Equal Weight Low Volatility ETF	64.84
YALL	God Bless America ETF	64.63
BCHP	Principal Focused Blue Chip ETF	64.57

## Size & Style 1-Day Performance Laggards

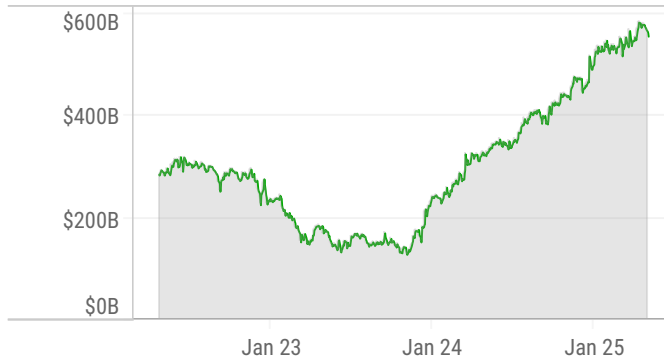
Ticker	Fund	1-Day Performance
KEAT	Keating Active ETF	-0.29%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.03%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.02%
PTNQ	Pacer Trendpilot 100 ETF	0.00%
ADPV	Adaptiv Select ETF	0.02%
RSMV	Relative Strength Managed Volatility Strategy ETF 1Shs	0.33%
FVC	First Trust Dorsey Wright Dynamic Focus 5 ETF	0.35%
FLV	American Century Focused Large Cap Value ETF	0.61%
DIV	Global X SuperDividend US ETF	0.73%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.76%

## Size & Style Most Oversold

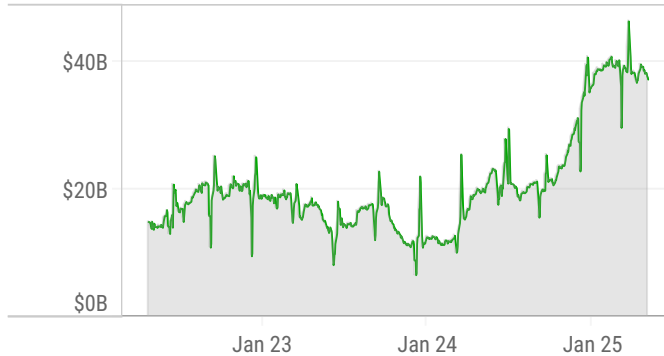
Ticker	Fund	Price
PTLC	Pacer Trendpilot US Large Cap ETF	30.51
PTNQ	Pacer Trendpilot 100 ETF	30.97
ADPV	Adaptiv Select ETF	44.31
PTMC	Pacer Trendpilot US Mid Cap ETF	45.16
KEAT	Keating Active ETF	49.53
SCHD	Schwab US Dividend Equity ETF	50.35
BAMD	Brookstone Dividend Stock ETF	50.72
FDIV	MarketDesk Focused U.S. Dividend ETF	51.09
PEY	Invesco High Yield Equity Dividend Achievers ETF	51.36
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	51.36

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

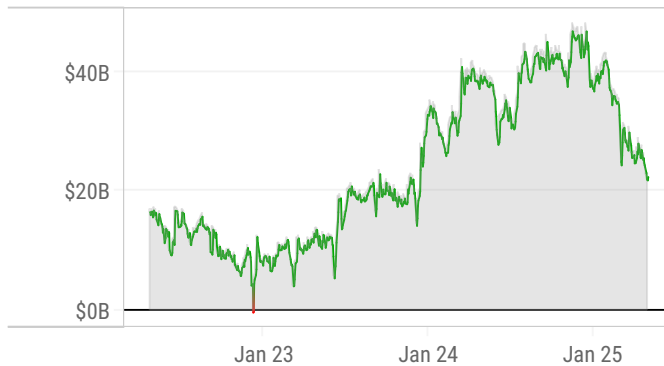
## Large-Cap 12-Month Rolling Flows



## Mid-Cap 12-Month Rolling Flows



## Small-Cap 12-Month Rolling Flows



## U.S. Size & Style Landscape Flows

	Funds	1 Week	3 Month	6 Month	1 Year	AUM
Equity: U.S. Large Cap - Blend	291	(\$5.53B)	\$75.46B	\$205.99B	\$388.26B	\$3,101B
Equity: U.S. Large Cap - Growth	130	\$1.02B	\$24.04B	\$68.79B	\$112.82B	\$910B
Equity: U.S. Large Cap - Value	180	\$1.01B	\$26.08B	\$49.17B	\$71.63B	\$746B
Equity: U.S. Mid Cap - Blend	62	\$0.50B	\$6.47B	\$20.77B	\$32.51B	\$303B
Equity: U.S. Mid Cap - Growth	23	(\$0.34B)	(\$0.49B)	\$1.28B	\$1.43B	\$49B
Equity: U.S. Mid Cap - Value	19	(\$0.21B)	\$0.04B	\$2.48B	\$4.82B	\$65B
Equity: U.S. Small Cap - Blend	57	(\$1.49B)	(\$7.28B)	\$5.68B	\$18.81B	\$266B
Equity: U.S. Small Cap - Growth	17	(\$0.15B)	(\$1.07B)	\$0.21B	\$1.86B	\$42B
Equity: U.S. Small Cap - Value	32	(\$0.14B)	(\$2.45B)	(\$0.34B)	\$2.30B	\$81B

## U.S. Size & Style Flow Leaders

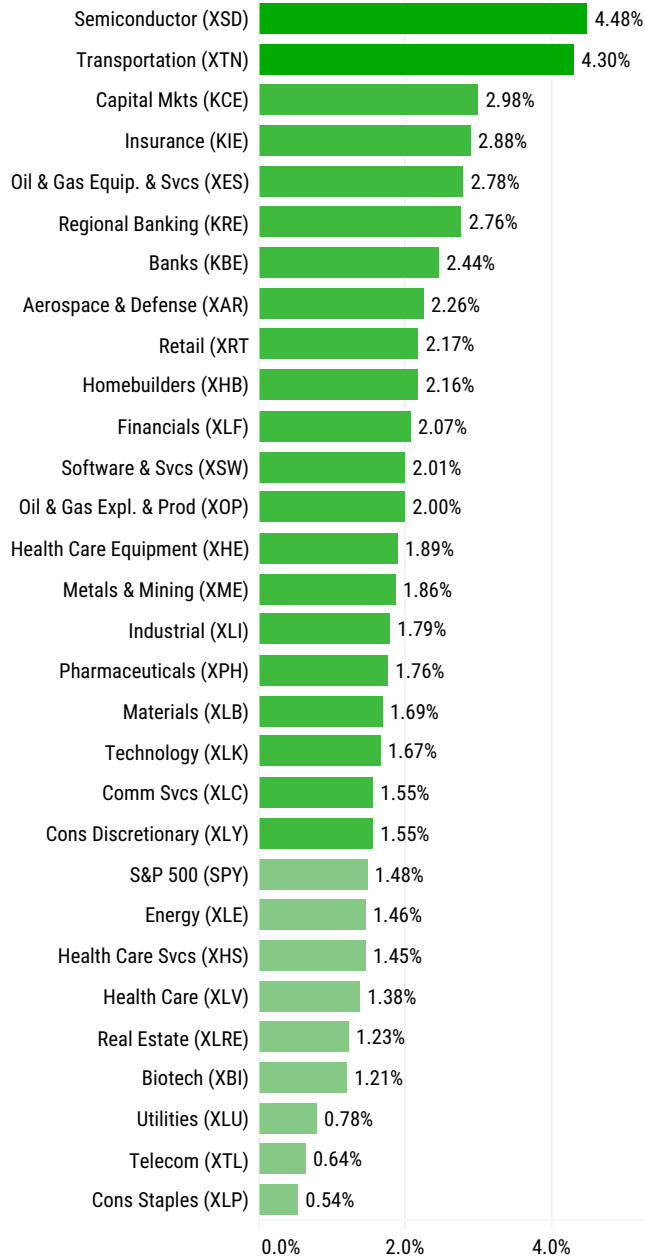
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$3.92B	\$34.55B	\$86.09B	\$139.82B	\$612.79B
VO	Vanguard Mid-Cap ETF	\$0.94B	\$4.20B	\$6.62B	\$8.14B	\$75.17B
QQQM	Invesco NASDAQ 100 ETF	\$0.65B	\$3.63B	\$9.32B	\$17.38B	\$42.98B
KLMN	Invesco MSCI North America Climate ETF	\$0.61B	(\$0.44B)	\$1.97B	\$1.97B	\$1.72B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.51B	\$8.55B	\$15.51B	\$25.29B	\$62.49B
PBUS	Invesco MSCI USA ETF	\$0.49B	\$0.68B	\$0.79B	\$1.38B	\$6.36B
SPMO	Invesco S&P 500 Momentum ETF	\$0.47B	\$1.75B	\$3.31B	\$4.78B	\$6.24B
VTWO	Vanguard Russell 2000 ETF	\$0.27B	\$1.22B	\$0.99B	\$2.69B	\$11.34B
IWF	iShares Russell 1000 Growth ETF	\$0.26B	\$2.49B	\$2.70B	\$0.93B	\$99.34B
SCHD	Schwab US Dividend Equity ETF	\$0.25B	\$4.51B	\$9.62B	\$13.64B	\$66.77B

## U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.49B)	(\$6.23B)	(\$1.67B)	\$1.94B	\$58.57B
QQQ	Invesco QQQ Trust Series I	(\$1.46B)	\$1.03B	\$11.73B	\$22.32B	\$301.50B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.88B)	(\$0.33B)	\$7.06B	\$13.70B	\$69.42B
VB	Vanguard Small-Cap ETF	(\$0.32B)	\$0.09B	\$2.60B	\$4.22B	\$57.56B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.26B)	\$1.75B	\$1.96B	\$2.50B	\$36.45B
IJK	iShares S&P Mid-Cap 400 Growth ETF	(\$0.26B)	(\$0.43B)	(\$0.37B)	(\$0.89B)	\$8.14B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.26B)	(\$0.31B)	\$0.06B	\$0.49B	\$21.24B
COWZ	Pacer US Cash Cows 100 ETF	(\$0.22B)	(\$1.83B)	(\$1.79B)	(\$0.45B)	\$20.83B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.22B)	\$3.27B	\$4.36B	\$6.72B	\$64.49B
IWR	iShares Russell Midcap ETF	(\$0.21B)	\$1.90B	\$2.80B	\$3.88B	\$38.51B

\* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-3.20%	7.39%	0.80%	1.03%	53.45
XLU	Utilities Select Sector SPDR Fund	-3.83%	17.85%	2.41%	2.28%	59.42
XLF	Financial Select Sector SPDR Fund	-4.66%	22.41%	2.50%	4.00%	60.97
XLI	Industrial Select Sector SPDR Fund	-6.54%	15.60%	3.68%	0.82%	63.22
XLC	Communication Services Select Sector SPDR Fund	-7.49%	18.95%	1.88%	3.21%	60.51
SPY	SPDR S&P 500 ETF Trust	-7.53%	14.16%	2.08%	-1.34%	60.03
XLRE	Real Estate Select Sector SPDR Fund	-7.56%	14.00%	1.84%	-0.98%	61.20
XLK	Technology Select Sector SPDR Fund	-10.56%	20.52%	4.03%	-2.94%	61.82
XLV	Health Care Select Sector SPDR Fund	-11.90%	4.50%	-2.72%	-5.41%	49.14
XLB	Materials Select Sector SPDR Fund	-13.01%	14.35%	0.82%	-5.01%	57.41
XLE	Energy Select Sector SPDR Fund	-15.72%	7.25%	-4.84%	-7.93%	46.78
XLY	Consumer Discretionary Select Sector SPDR Fund	-15.87%	18.45%	1.94%	-2.26%	58.09

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XTN	SPDR S&P Transportation ETF	4.30%
IYT	iShares US Transportation ETF	3.73%
KCE	SPDR S&P Capital Markets ETF	2.98%
PSCI	Invesco S&P SmallCap Industrials ETF	2.92%
KIE	SPDR S&P Insurance ETF	2.88%
FXD	First Trust Consumer Discretionary AlphaDEX Fu..	2.82%
IAT	iShares U.S. Regional Banks ETF	2.81%
FTXO	First Trust Nasdaq Bank ETF	2.81%
PFI	Invesco Dorsey Wright Financial Momentum ETF	2.81%
IEZ	iShares U.S. Oil Equipment & Services ETF	2.80%

## Sector & Industry Most Overbought

Ticker	Fund	1 Day Performance
PPA	Invesco Aerospace & Defense ETF	68.47
MISL	First Trust Indxx Aerospace & Defense ETF	67.85
XAR	SPDR S&P Aerospace & Defense ETF	67.83
ITA	iShares U.S. Aerospace & Defense ETF	66.94
UTES	Virtus Reaves Utilities ETF	64.38
XLI	Industrial Select Sector SPDR Fund	63.22
ICF	iShares Select U.S. REIT ETF	62.89
FIDU	Fidelity MSCI Industrial Index ETF	62.80
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	62.56
VIS	Vanguard Industrials ETF	62.56

## Sector & Industry 1 Day Performance Laggards

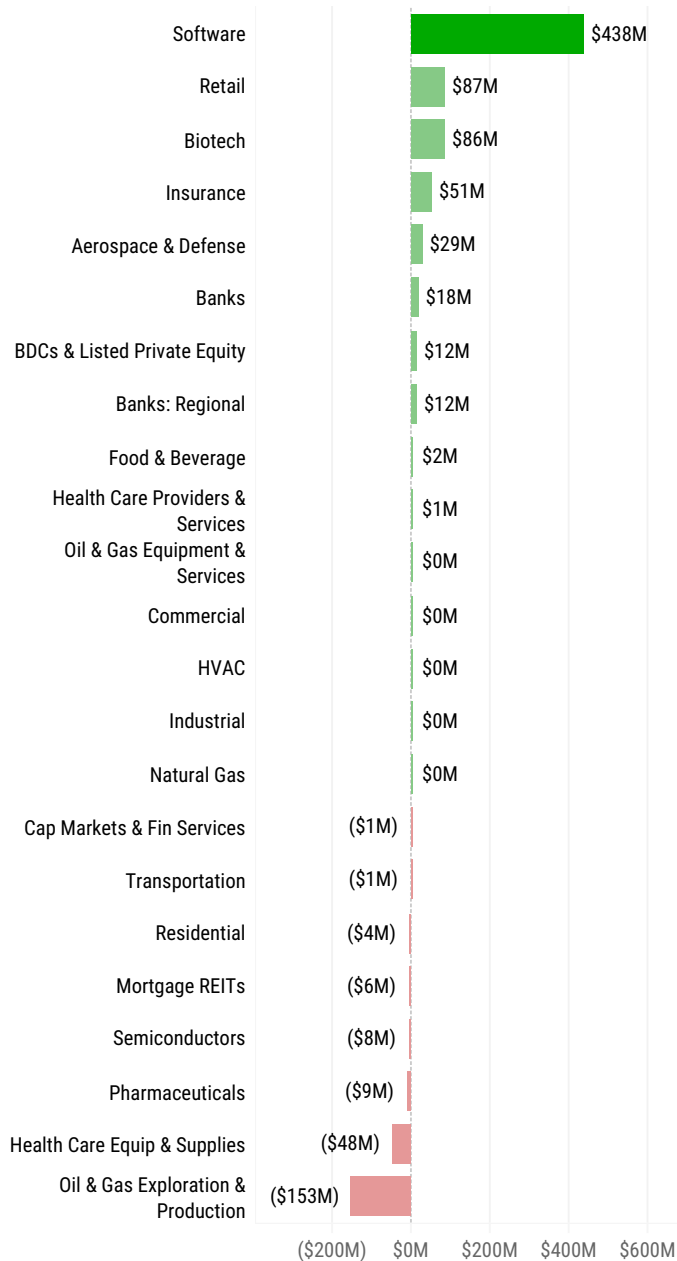
Ticker	Fund	1 Day Performance
FXG	First Trust Consumer Staples AlphaDEX Fund	0.16%
IYK	iShares U.S. Consumer Staples ETF	0.27%
MORT	VanEck Mortgage REIT Income ETF	0.29%
REM	iShares Mortgage Real Estate ETF	0.33%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	0.50%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	0.52%
XLP	Consumer Staples Select Sector SPDR Fund	0.54%
RIET	Hoya Capital High Dividend Yield ETF	0.63%
VPU	Vanguard Utilities ETF	0.65%
IDU	iShares U.S. Utilities ETF	0.67%

## Sector & Industry Most Oversold

Ticker	Fund	1 Day Performance
IHF	iShares U.S. Healthcare Providers ETF	44.51
XLE	Energy Select Sector SPDR Fund	46.78
IYE	iShares U.S. Energy ETF	47.64
FTXN	First Trust Nasdaq Oil & Gas ETF	47.67
IEZ	iShares U.S. Oil Equipment & Services ETF	47.67
VDE	Vanguard Energy ETF	47.68
FENY	Fidelity MSCI Energy Index ETF	47.78
DRLL	Strive U.S. Energy ETF	47.91
KBWY	Invesco KBW Premium Yield Equity REIT ETF	47.92
FCG	First Trust Natural Gas ETF	47.99

\* 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	1 Week	3 Month	6 Month	1 Year	AUM
Sector: Communication Services	4	\$57M	\$104M	\$1,326M	(\$417M)	\$26B
Sector: Consumer Discretionary	10	(\$152M)	(\$3,579M)	(\$1,848M)	(\$3,292M)	\$29B
Sector: Consumer Staples	10	\$241M	(\$737M)	(\$850M)	\$513M	\$27B
Sector: Energy	18	\$118M	(\$4,179M)	(\$7,002M)	(\$12,004M)	\$40B
Sector: Financials	30	(\$473M)	(\$5,112M)	\$6,477M	\$9,733M	\$85B
Sector: Health Care	22	\$447M	(\$2,700M)	(\$5,284M)	(\$8,088M)	\$77B
Sector: Industrial	19	(\$393M)	(\$3,227M)	(\$1,391M)	(\$1,327M)	\$45B
Sector: Materials	8	(\$284M)	(\$315M)	(\$605M)	(\$989M)	\$9B
Sector: Real Estate	32	(\$22M)	(\$747M)	(\$2,704M)	\$1,723M	\$64B
Sector: Technology	24	\$195M	(\$1,128M)	\$7,334M	\$13,205M	\$216B
Sector: Utilities	9	\$185M	\$2,135M	\$1,622M	\$6,189M	\$31B

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$444M	\$1,507M	\$4,169M	\$4,097M	\$11,355M
XLV	Health Care Select Sector SPDR Fund	\$423M	(\$794M)	(\$1,084M)	(\$970M)	\$35,766M
XLE	Energy Select Sector SPDR Fund	\$311M	(\$3,509M)	(\$5,933M)	(\$8,398M)	\$26,393M
VDC	Vanguard Consumer Staples ETF	\$165M	\$321M	\$295M	\$442M	\$7,557M
XLU	Utilities Select Sector SPDR Fund	\$146M	\$682M	\$124M	\$3,319M	\$18,167M
XLP	Consumer Staples Select Sector SPDR Fund	\$114M	(\$1,318M)	(\$1,261M)	\$86M	\$15,698M
XRT	SPDR S&P Retail ETF	\$87M	(\$19M)	\$64M	(\$283M)	\$346M
XBI	SPDR S&P BIOTECH ETF	\$72M	(\$372M)	(\$953M)	(\$1,164M)	\$5,083M
XLC	Communication Services Select Sector SPDR Fund	\$61M	\$103M	\$1,101M	(\$303M)	\$20,378M
XLRE	Real Estate Select Sector SPDR Fund	\$51M	\$207M	(\$275M)	\$1,139M	\$7,367M

## U.S. Sector & Industry Flow Laggards

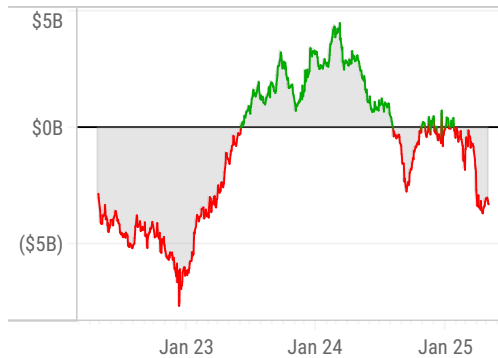
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$408M)	(\$2,179M)	\$2,697M	\$3,968M	\$48,770M
XLI	Industrial Select Sector SPDR Fund	(\$296M)	(\$1,888M)	(\$886M)	(\$331M)	\$19,250M
XLB	Materials Select Sector SPDR Fund	(\$275M)	\$127M	(\$78M)	(\$218M)	\$4,838M
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	(\$149M)	\$107M	(\$273M)	(\$1,073M)	\$1,865M
XLY	Consumer Discretionary Select Sector SPDR Fund	(\$138M)	(\$1,624M)	(\$780M)	(\$1,744M)	\$19,321M
IYF	iShares U.S. Financials ETF	(\$138M)	(\$376M)	(\$52M)	\$252M	\$3,317M
VNQ	Vanguard Real Estate ETF	(\$129M)	(\$1,042M)	(\$1,385M)	(\$1,206M)	\$33,305M
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	(\$89M)	(\$1,080M)	(\$1,187M)	(\$1,274M)	\$2,403M
VCR	Vanguard Consumer Discretionary ETF	(\$85M)	(\$416M)	(\$300M)	(\$450M)	\$5,337M
IYJ	iShares U.S. Industrials ETF	(\$83M)	(\$53M)	(\$11M)	(\$194M)	\$1,478M

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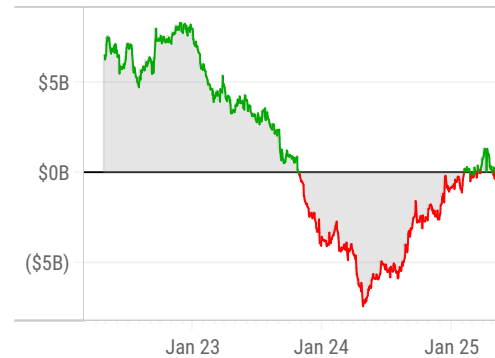
## Communication Services



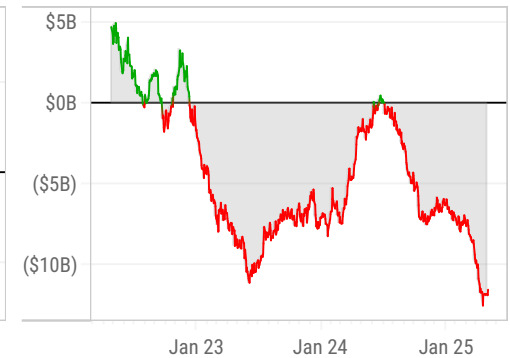
## Consumer Discretionary



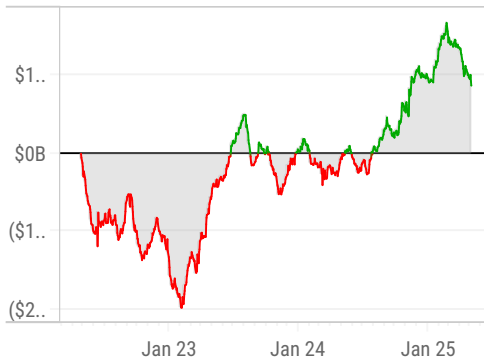
## Consumer Staples



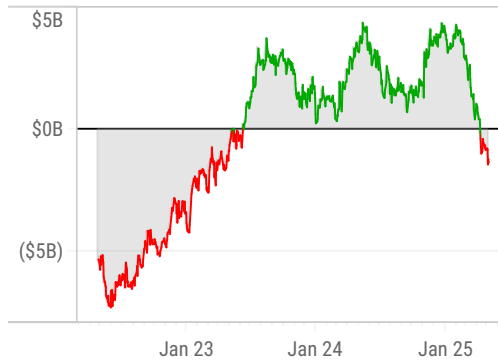
## Energy



## Financials



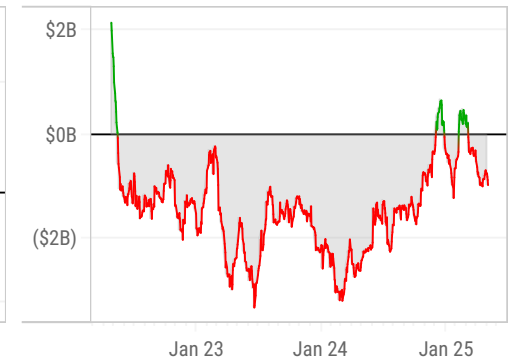
## Industrial



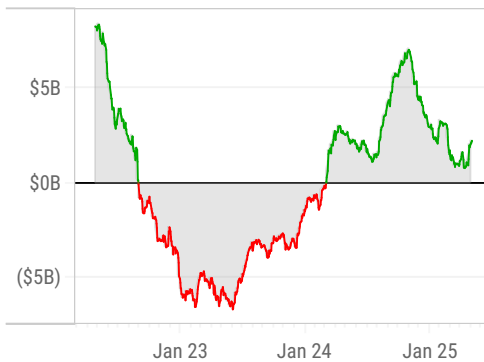
## Health Care



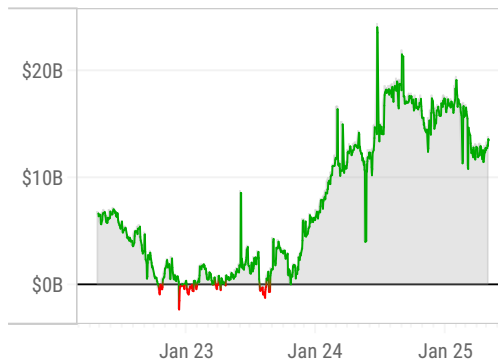
## Materials



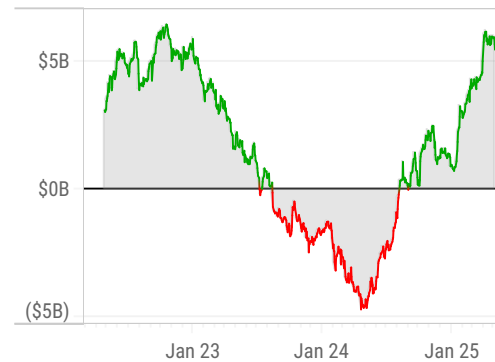
## Real Estate



## Technology

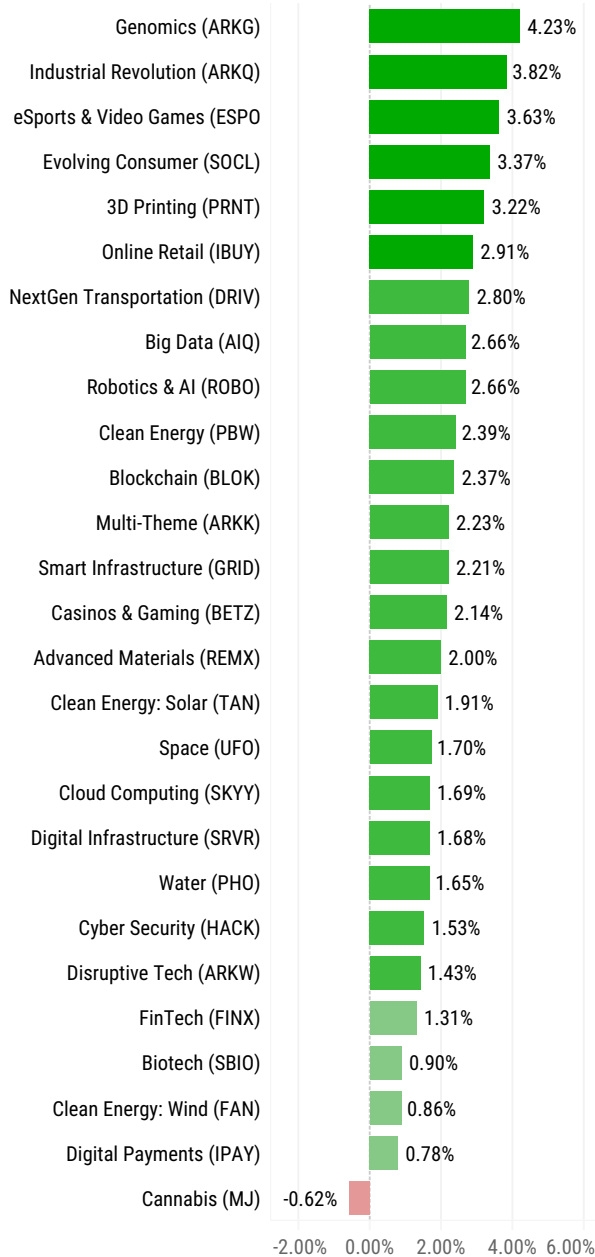


## Utilities

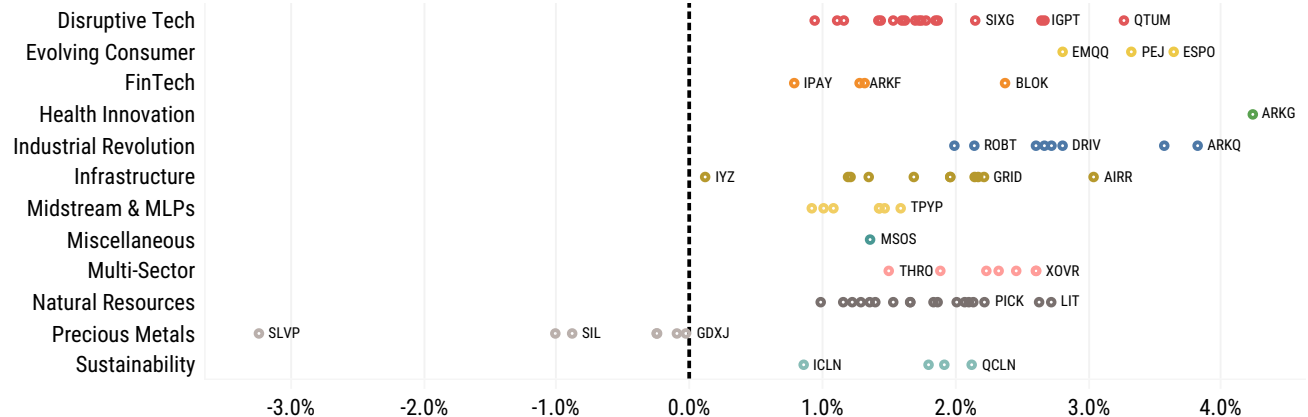


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy..	4.56%
ARKG	ARK Genomic Revolution ETF	4.23%
ARKQ	ARK Autonomous Technology & Robotics ETF	3.82%
CHAT	Roundhill Generative AI & Technology ETF	3.76%
ESPO	VanEck Video Gaming and eSports ETF	3.63%
ARKX	ARK Space Exploration & Innovation ETF	3.56%
SOCL	Global X Social Media ETF	3.37%
PEJ	Invesco Leisure and Entertainment ETF	3.32%
BITQ	Bitwise Crypto Industry Innovators ETF	3.30%
QTUM	Defiance Quantum ETF	3.26%

## Thematic Most Overbought

Ticker	Fund	Price
HERO	Global X Video Games & Esports ETF	74.55
SHLD	Global X Defense Tech ETF	74.18
ESPO	VanEck Video Gaming and eSports ETF	73.37
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ..	69.03
CGW	Invesco S&P Global Water Index ETF	68.96
SRVR	Pacer Data & Infrastructure Real Estate ETF	68.60
IGF	iShares Global Infrastructure ETF	66.89
URA	Global X Uranium ETF	66.70
GII	SPDR S&P Global Infrastructure ETF	66.69
TBLU	Tortoise Global Water ESG Fund	66.62

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SLVP	iShares MSCI Global Silver Miners ETF	-3.25%
SILJ	Amplify Junior Silver Miners ETF	-1.02%
SIL	Global X Silver Miners ETF	-0.89%
MJ	Amplify Alternative Harvest ETF	-0.62%
GOEX	Global X Gold Explorers ETF	-0.51%
SLVR	Sprott Silver Miners & Physical Silver ETF	-0.35%
TPZ	Tortoise Essential Energy Fund	-0.31%
GDX	VanEck Gold Miners ETF	-0.25%
SGDM	Sprott Gold Miners ETF	-0.25%
GOAU	U.S. Global GO GOLD and Precious Metal Miners ETF	-0.23%

## Thematic Most Oversold

Ticker	Fund	Price
GDX	YieldMax Gold Miners Option Income Strategy ETF	38.86
SLVP	iShares MSCI Global Silver Miners ETF	40.53
SLVR	Sprott Silver Miners & Physical Silver ETF	42.35
SILJ	Amplify Junior Silver Miners ETF	43.67
AML	Alerian MLP ETF	46.29
SIL	Global X Silver Miners ETF	46.56
MLPA	Global X MLP ETF	47.27
MDST	Westwood Salient Enhanced Midstream Income ETF	47.75
RING	iShares MSCI Global Gold Miners ETF	47.78
GDX	VanEck Gold Miners ETF	47.94

\* 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	
ITB	iShares U.S. Home Construction ETF	\$142M
FDN	First Trust Dow Jones Internet Index Fund	\$138M
SHLD	Global X Defense Tech ETF	\$106M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$86M
AMPL	Alerian MLP ETF	\$45M

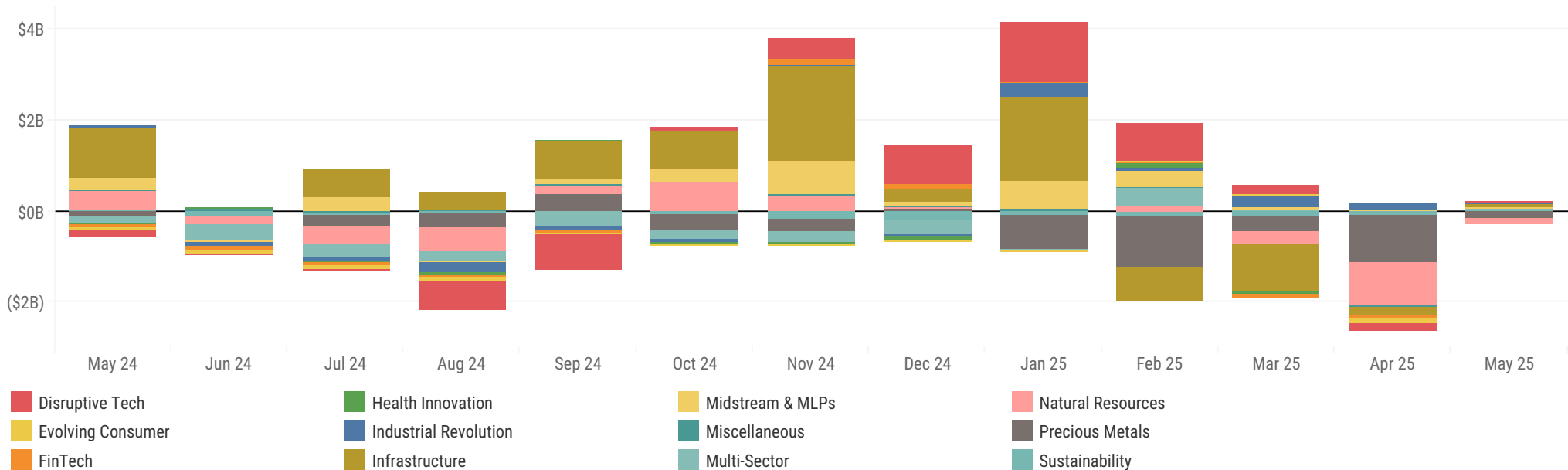
### Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$137M)
COPX	Global X Copper Miners ETF	(\$135M)
GDX	VanEck Gold Miners ETF	(\$126M)
GDXJ	VanEck Junior Gold Miners ETF	(\$101M)
XHB	SPDR S&P Homebuilders ETF	(\$80M)

### Thematic Landscape Assets & Flows

Segment	Funds	1 Week	3 Month	6 Month	1 Year	AUM
Disruptive Tech	57	\$224M	\$1,067M	\$3,408M	\$1,925M	\$34B
Evolving Consumer	34	\$2M	\$24M	(\$37M)	(\$375M)	\$2B
FinTech	22	\$5M	(\$144M)	\$137M	(\$216M)	\$3B
Health Innovation	27	\$8M	(\$2M)	(\$177M)	(\$281M)	\$2B
Industrial Revolution	27	\$96M	\$516M	\$816M	\$328M	\$8B
Infrastructure	37	\$184M	(\$1,731M)	\$2,051M	\$6,141M	\$30B
Midstream & MLPs	13	\$71M	\$471M	\$1,867M	\$2,708M	\$20B
Miscellaneous	4	\$0M	\$15M	\$75M	\$80M	\$0B
Multi-Sector	32	(\$140M)	\$471M	(\$83M)	(\$1,514M)	\$13B
Natural Resources	55	(\$300M)	(\$1,278M)	(\$867M)	(\$710M)	\$26B
Precious Metals	14	(\$228M)	(\$2,694M)	(\$3,702M)	(\$4,280M)	\$24B
Sustainability	31	\$22M	(\$323M)	(\$808M)	(\$1,205M)	\$4B
Grand Total	353	(\$56M)	(\$3,606M)	\$2,680M	\$2,600M	\$168B

### 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

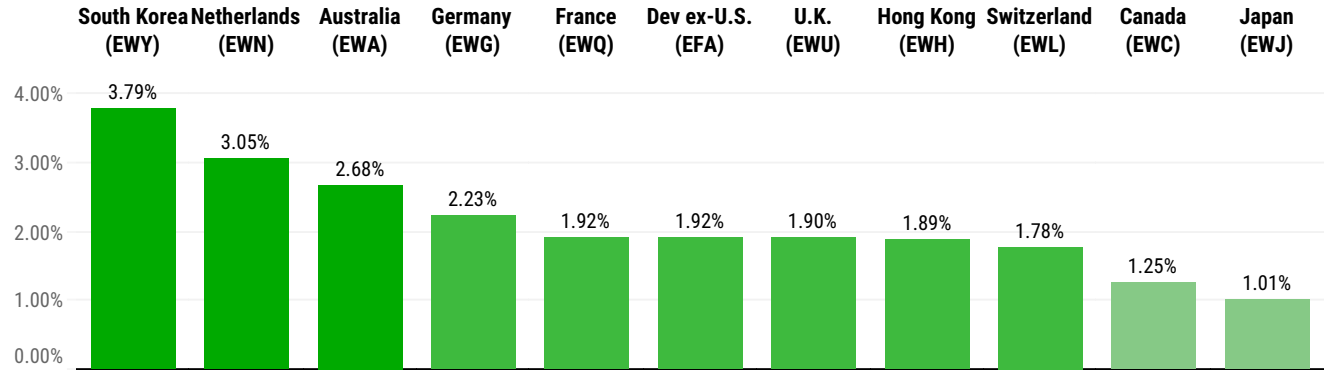


## Developed ex-U.S. (EFA)



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

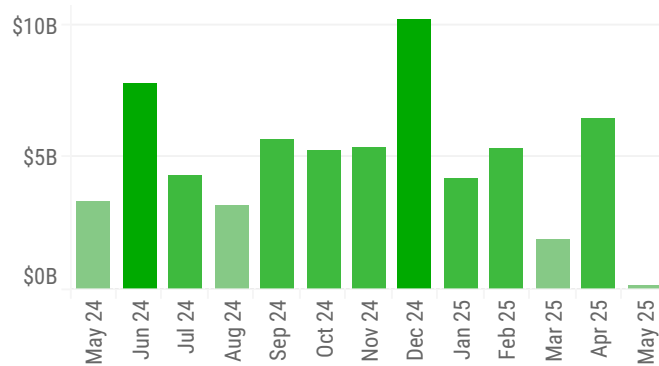
## Developed ex-U.S. 1-Day Performance Top 10 Countries



## Developed ex-U.S. 12-Month Rolling Flows



## Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	4.52%
EWY	iShares MSCI South Korea ETF	3.79%
FLKR	Franklin FTSE South Korea ETF	3.79%
EDEN	iShares MSCI Denmark ETF	3.68%
EWD	iShares MSCI Sweden ETF	3.32%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	3.21%
EWN	iShares MSCI Netherlands ETF	3.05%
ENZL	iShares MSCI New Zealand ETF	2.86%
EWA	iShares MSCI Australia ETF	2.68%
UMMA	Wahed Dow Jones Islamic World ETF	2.67%

## Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFE	WisdomTree Europe SmallCap Dividend Fund	73.51
IFGL	iShares International Developed Real Estate ETF	71.64
IMFL	Invesco International Developed Dynamic Multifactor ETF	71.44
FSZ	First Trust Switzerland AlphaDEX Fund	71.15
ILOW	AB International Low Volatility Equity ETF	71.14
EUAD	Select STOXX Europe Aerospace & Defense ETF	70.27
QLVD	FlexShares Developed Markets ex-US Quality Low Volatil..	70.26
DAX	Global X DAX Germany ETF	70.07
EFAD	ProShares MSCI EAFE Dividend Growers ETF	70.05
DIM	WisdomTree International MidCap Dividend Fund	70.04

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

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-0.52%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.02%
PTIN	Pacer Trendpilot International ETF	0.09%
FLJH	Franklin FTSE Japan Hedged ETF	0.52%
DXJ	WisdomTree Japan Hedged Equity Fund	0.55%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.61%
EWJV	iShares MSCI Japan Value ETF	0.62%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.64%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.68%
EWO	iShares MSCI Austria ETF	0.81%

## Developed ex-U.S. Most Oversold

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	39.02
FJP	First Trust Japan AlphaDEX Fund	54.98
DFJ	WisdomTree Japan SmallCap Dividend Fund	57.38
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	58.09
IZRL	ARK Israel Innovative Technology ETF	58.90
SCJ	iShares MSCI Japan Small-Cap ETF	58.94
EWJV	iShares MSCI Japan Value ETF	59.45
ITEQ	Amplify BlueStar Israel Technology ETF	59.77
HEDJ	WisdomTree Europe Hedged Equity Fund	59.90
NORW	Global X MSCI Norway ETF	60.53

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

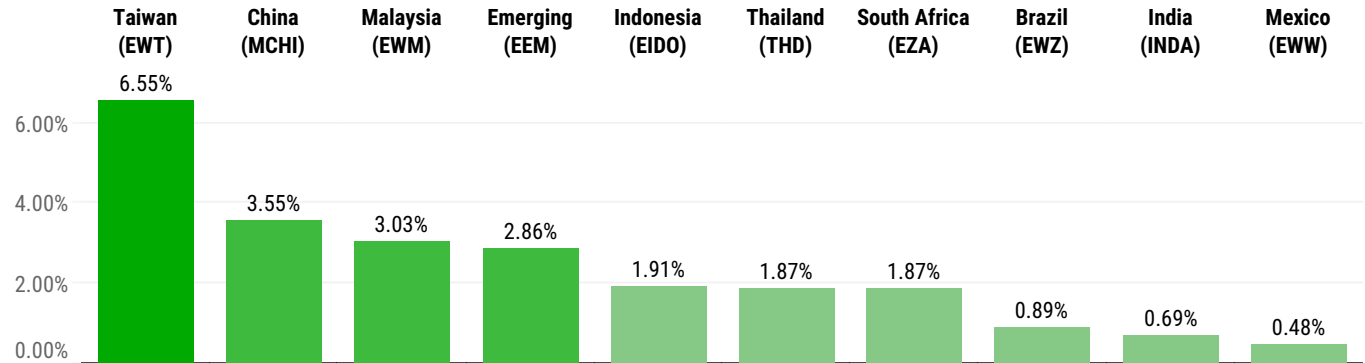


## Emerging (EEM)



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

## Emerging 1-Day Performance Top 10 Countries



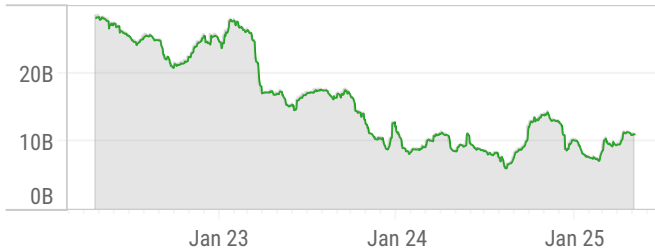
## Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWT	iShares MSCI Taiwan ETF	6.55%
FLTW	Franklin FTSE Taiwan ETF	6.44%
CQQQ	Invesco China Technology ETF	4.57%
KWEB	KraneShares CSI China Internet ETF	4.54%
EYLD	Cambria Emerging Shareholder Yield ETF	4.15%
CHIQ	Global X MSCI China Consumer Discretionary ETF	4.00%
PIE	Invesco Dorsey Wright Emerging Markets Momentum ..	3.87%
MINV	Matthews Asia Innovators Active ETF	3.67%
NUEM	Nuveen ESG Emerging Markets Equity ETF	3.59%
MCHI	iShares MSCI China ETF	3.55%

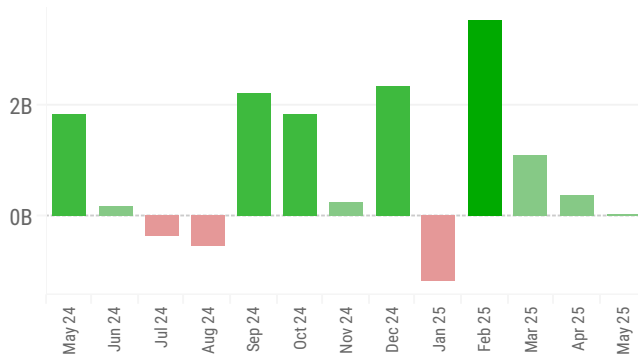
## Emerging Most Overbought

Ticker	Fund	Value
EWM	iShares MSCI Malaysia ETF	72.42
EELV	Invesco S&P Emerging Markets Low Volatility ETF	72.23
EPHE	iShares MSCI Philippines ETF	71.10
DGS	WisdomTree Emerging Markets SmallCap Dividend ..	70.48
QAT	iShares MSCI Qatar ETF	70.21
KEMX	KraneShares MSCI Emerging Markets EX China Inde..	69.78
XC	WisdomTree Emerging Markets Ex-China Fund	69.67
EMXC	iShares MSCI Emerging Markets ex China ETF	69.38
UAE	iShares MSCI UAE ETF	68.90
XCEM	Columbia EM Core ex-China ETF	68.80

## Emerging 12-Month Rolling Flows



## Emerging Monthly Flows



## Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
INCO	Columbia India Consumer ETF	-0.22%
GLIN	VanEck India Growth Leaders ETF	0.35%
EWX	iShares MSCI Mexico ETF	0.48%
ILF	iShares Latin America 40 ETF	0.48%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.54%
FLIN	Franklin FTSE India ETF	0.60%
INDA	iShares MSCI India ETF	0.69%
KSA	iShares MSCI Saudi Arabia ETF	0.80%
PIN	Invesco India ETF	0.81%
INDY	iShares India 50 ETF	0.81%

## Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	38.46
KSA	iShares MSCI Saudi Arabia ETF	49.21
ARGT	Global X MSCI Argentina ETF	51.31
PGJ	Invesco Golden Dragon China ETF	55.45
CNYA	iShares MSCI China A ETF	56.36
VNM	VanEck Vietnam ETF	56.46
KBA	KraneShares Boser MSCI China A 50 Connect Ind..	56.63
GXG	Global X MSCI Colombia ETF	56.81
SMIN	iShares MSCI India Small Cap ETF	56.93
EPU	iShares MSCI Peru and Global Exposure ETF	57.09

\* 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	-0.49%	-0.59%	2.40%
SHY	1-3 Year Treasury Bonds	-0.19%	0.45%	1.98%
IEF	7-10 Year Treasury Bonds	-0.67%	-0.31%	3.73%
TLT	20+ Year Treasury Bonds	-1.08%	-3.69%	1.86%
TIP	TIPS Bonds	-0.52%	-0.64%	3.50%
FLOT	Floating Rate Bonds	0.08%	0.09%	1.33%
LQD	Investment Grade Corporate	-0.24%	-1.44%	1.60%
HYG	High Yield Corporate	0.31%	0.12%	1.79%
BKLN	Senior Loan	0.48%	0.90%	0.91%
PFF	Preferred & Income Securities	0.67%	-0.93%	-1.96%
MUB	Municipal Bonds	-0.13%	-0.71%	-1.12%
MBB	MBS	-0.55%	-0.69%	2.46%
EMB	Dollar Denominated EM Bonds	-0.27%	-0.75%	2.18%
LEMB	Local Currency EM Bond	0.47%	3.44%	7.59%

## Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.02%	-5.38%	4.77%
DBE	Energy	0.03%	-12.74%	-7.36%
USO	WTI Crude Oil	-0.79%	-17.66%	-15.27%
BNO	Brent Crude Oil	-0.50%	-16.60%	-12.92%
UNG	Natural Gas	5.77%	-12.97%	8.98%
UGA	Gasoline	-1.02%	-12.59%	-9.17%
DBP	Precious Metals	-0.13%	0.82%	18.89%
GLD	Gold	0.17%	3.41%	23.07%
SLV	Silver	-0.92%	-5.33%	10.60%
PPLT	Platinum	-0.08%	-0.64%	6.21%
PALL	Palladium	0.74%	-2.46%	3.96%
DBB	Base Metals	0.82%	-4.48%	-3.82%
CPER	Copper	0.97%	-7.71%	15.66%
DBA	Agriculture	0.90%	-1.18%	1.02%
CORN	Corn	0.16%	0.59%	0.21%
SOYB	Soybeans	0.55%	0.24%	1.26%
WEAT	Wheat	1.77%	-1.91%	-4.36%
CANE	Sugar	0.49%	-10.61%	-0.83%

## Currencies Performance

Tick..	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.15%	-3.23%	-6.42%
UDN	Short Dollar	0.27%	3.92%	9.40%
FXE	Euro	0.13%	4.27%	9.66%
FXB	British Pound Sterling	-0.01%	2.51%	7.04%
FXF	Swiss Franc	0.39%	6.79%	9.76%
FXJ	Japanese Yen	0.43%	3.38%	8.43%
FXC	Canadian Dollar	0.25%	3.75%	4.43%
FXA	Australian Dollar	0.95%	2.51%	4.69%

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