

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

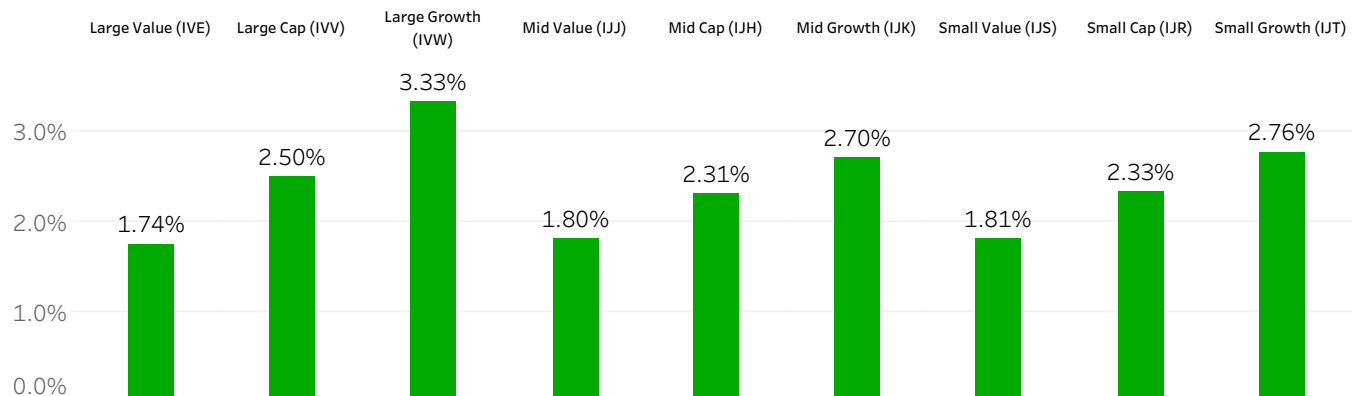


Small Cap Blend (S&P 600) IJR



■ 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 |
|--------|---|-------------------|
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | 6.55% |
| IPO | Renaissance IPO ETF | 4.66% |
| BUZZ | VanEck Social Sentiment ETF | 4.62% |
| SSPY | Syntax Stratified LargeCap ETF | 4.17% |
| NUMG | Nuveen ESG Mid-Cap Growth ETF | 4.16% |
| QVML | Invesco S&P 500 QVM Multi-factor ETF | 4.13% |
| XOUT | GraniteShares XOUT US Large Cap ETF | 3.76% |
| QQQJ | Invesco NASDAQ Next Gen 100 ETF | 3.68% |
| VOT | Vanguard Mid-Cap Growth ETF | 3.64% |
| SPHB | Invesco S&P 500 High Beta ETF | 3.59% |

Size & Style Most Overbought

| Ticker | Fund | Price |
|--------|--|-------|
| ONOF | Global X Adaptive U.S. Risk Management ETF | 74.40 |
| DEIF | Sterling Capital Diverse Multi-Manager Active ETF | 69.60 |
| JMEE | JPMorgan Market Expansion Enhanced Equity ETF | 63.86 |
| FDL | First Trust Morningstar Dividend Leaders Index Fund | 63.80 |
| DIVZ | TrueShares Low Volatility Equity Income ETF | 63.42 |
| DVY | iShares Select Dividend ETF | 62.87 |
| UTRN | Vesper U.S. Large Cap Short-Term Reversal Strategy ETF | 62.48 |
| EQRR | ProShares Equities for Rising Rates ETF | 61.96 |
| HDV | iShares Core High Dividend ETF | 61.89 |
| DHS | WisdomTree U.S. High Dividend Fund | 61.85 |

Size & Style 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| CLRG | IQ Chaikin U.S. Large Cap ETF | 0.00% |
| HKND | Humankind US Stock ETF | 0.00% |
| NZUS | SPDR MSCI USA Climate Paris Aligned ETF | 0.00% |
| PABU | iShares Paris-Aligned Climate MSCI USA ETF | 0.00% |
| SIXL | ETC 6 Meridian Low Beta Equity ETF | 0.00% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 0.00% |
| PTLC | Pacer Trendpilot US Large Cap ETF | 0.03% |
| RPHS | Regents Park Hedged Market Strategy ETF | 0.06% |
| PTMC | Pacer Trendpilot US Mid Cap ETF | 0.12% |
| CSF | VictoryShares US Discovery Enhanced Volatility Wtd ETF | 0.39% |

Size & Style Most Oversold

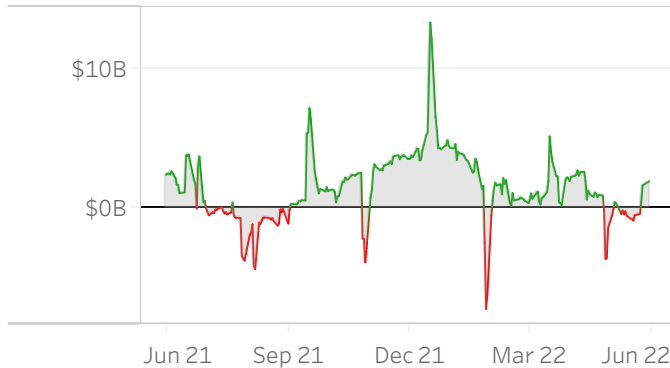
| Ticker | Fund | Price |
|--------|---|-------|
| SPC | CrossingBridge Pre-Merger SPAC ETF | 37.83 |
| PTLC | Pacer Trendpilot US Large Cap ETF | 44.53 |
| QQH | HCM Defender 100 Index ETF | 46.30 |
| IPO | Renaissance IPO ETF | 47.20 |
| LGH | HCM Defender 500 Index ETF | 47.55 |
| TMFS | Motley Fool Small-Cap Growth ETF | 47.75 |
| CSF | VictoryShares US Discovery Enhanced Volatility Wtd. | 47.94 |
| WINN | Harbor Long-Term Growers ETF | 48.31 |
| CFO | VictoryShares US 500 Enhanced Volatility Wtd ETF | 48.70 |
| LCG | Sterling Capital Focus Equity ETF | 49.09 |

*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 | 25 | \$1,207B | \$4.41B | \$3.86B | \$44.70B | \$128.50B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$217B | \$0.33B | \$7.02B | \$8.18B | \$17.16B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$223B | \$0.80B | \$4.95B | \$17.79B | \$27.11B |
| Mid Cap, Beta, Beta | 10 | \$176B | \$0.32B | \$3.33B | \$6.82B | \$10.86B |
| Mid Cap, Beta, Beta: Growth | 6 | \$31B | \$0.06B | \$0.16B | (\$0.60B) | \$0.16B |
| Mid Cap, Beta, Beta: Value | 6 | \$41B | \$0.35B | (\$0.55B) | \$0.36B | \$0.15B |
| Small Cap, Beta, Beta | 13 | \$190B | \$1.23B | (\$5.07B) | (\$3.05B) | \$7.90B |
| Small Cap, Beta, Beta: Growth | 7 | \$30B | \$0.26B | \$0.62B | \$1.19B | \$1.44B |
| Small Cap, Beta, Beta: Value | 7 | \$52B | \$0.18B | (\$2.88B) | (\$2.03B) | (\$1.91B) |

U.S. Size & Style Flow Leaders

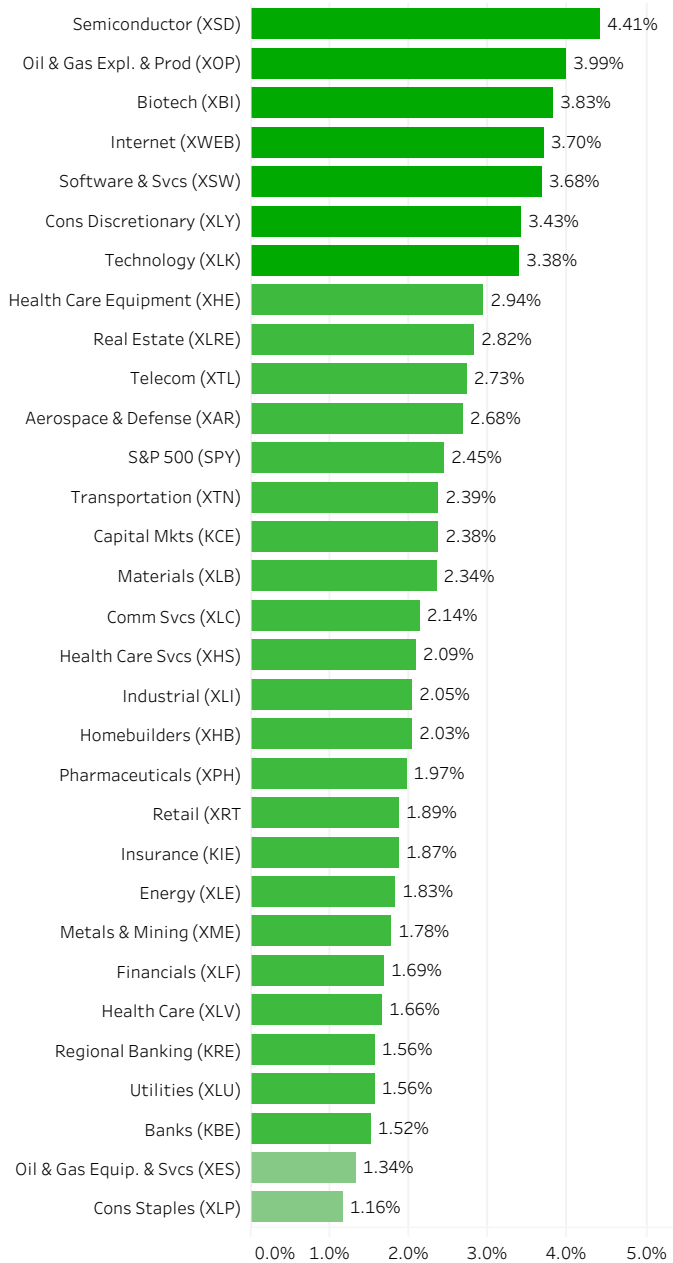
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|---------|-----------|-----------|-----------|-----------|
| SPY | SPDR S&P 500 ETF Trust | \$2.28B | (\$0.41B) | \$2.89B | \$23.83B | \$370.43B |
| IVV | iShares Core S&P 500 ETF | \$1.57B | (\$0.31B) | \$13.06B | \$27.45B | \$295.35B |
| IWM | iShares Russell 2000 ETF | \$1.19B | (\$2.05B) | (\$4.55B) | (\$1.03B) | \$53.83B |
| VOO | Vanguard S&P 500 ETF | \$1.05B | (\$2.49B) | \$16.57B | \$40.78B | \$255.60B |
| HDV | iShares Core High Dividend ETF | \$0.41B | \$4.07B | \$4.64B | \$5.03B | \$12.99B |
| IJJ | iShares S&P Mid-Cap 400 Value ETF | \$0.28B | \$0.27B | (\$0.85B) | (\$0.85B) | \$7.73B |
| IVE | iShares S&P 500 Value ETF | \$0.28B | \$1.26B | \$2.76B | \$2.51B | \$25.32B |
| COWZ | Pacer US Cash Cows 100 ETF | \$0.27B | \$3.36B | \$4.75B | \$5.20B | \$6.07B |
| VTV | Vanguard Value ETF | \$0.26B | \$3.21B | \$11.90B | \$17.74B | \$101.28B |
| DIA | SPDR Dow Jones Industrial Average ETF Trust | \$0.24B | \$0.51B | \$1.18B | (\$0.07B) | \$28.57B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|-----------|-----------|-----------|-----------|-----------|
| QQQ | Invesco QQQ Trust | (\$0.71B) | \$5.59B | \$6.35B | \$22.48B | \$162.49B |
| FVD | First Trust Value Line Dividend Index Fund | (\$0.37B) | \$0.02B | \$0.22B | \$0.41B | \$12.42B |
| VTI | Vanguard Total Stock Market ETF | (\$0.32B) | \$5.28B | \$15.47B | \$38.41B | \$261.05B |
| QUAL | iShares MSCI USA Quality Factor ETF | (\$0.07B) | \$0.40B | (\$3.39B) | \$1.82B | \$20.83B |
| VLUE | iShares MSCI USA Value Factor ETF | (\$0.06B) | (\$1.96B) | (\$5.76B) | (\$5.39B) | \$10.26B |
| RDVY | First Trust Rising Dividend Achievers ETF | (\$0.05B) | \$0.30B | \$2.65B | \$5.18B | \$9.04B |
| VOOG | Vanguard S&P 500 Growth ETF | (\$0.04B) | \$0.31B | \$0.91B | \$1.72B | \$6.63B |
| MTUM | iShares MSCI USA Momentum Factor ETF | (\$0.03B) | (\$0.60B) | (\$3.60B) | (\$2.38B) | \$10.23B |
| QQQM | Invesco NASDAQ 100 ETF | (\$0.03B) | \$0.87B | \$1.61B | \$3.87B | \$3.95B |
| SCHA | Schwab U.S. Small-Cap ETF | (\$0.03B) | (\$0.51B) | \$0.15B | \$1.03B | \$14.04B |

* 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% | 93.34% | 12.01% | 37.86% | 68.65 |
| XLU | Utilities Select Sector SPDR Fund | -2.07% | 19.20% | 2.54% | 8.69% | 64.59 |
| XLB | Materials Select Sector SPDR Fund | -3.59% | 10.43% | 1.24% | 2.17% | 59.39 |
| XLV | Health Care Select Sector SPDR Fund | -6.17% | 8.31% | -0.07% | 0.82% | 57.58 |
| XLP | Consumer Staples Select Sector SPDR Fund | -6.91% | 9.01% | -1.98% | 1.12% | 48.92 |
| XLI | Industrial Select Sector SPDR Fund | -10.88% | 6.39% | -2.34% | -5.84% | 53.32 |
| SPY | SPDR S&P 500 ETF Trust | -13.07% | 6.62% | -2.61% | -6.67% | 53.90 |
| XLRE | Real Estate Select Sector SPDR Fund | -13.49% | 7.40% | -3.73% | -5.02% | 51.98 |
| XLF | Financial Select Sector SPDR Fund | -14.12% | 8.05% | -1.74% | -7.09% | 56.48 |
| XLK | Technology Select Sector SPDR Fund | -19.92% | 8.17% | -3.04% | -9.73% | 53.41 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -27.27% | 11.57% | -8.73% | -16.78% | 48.92 |
| XLC | Communication Services Select Sector SPDR Fund | -30.02% | 6.02% | -5.14% | -18.10% | 50.40 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|--|-------------------|
| FTXL | First Trust Nasdaq Semiconductor ETF | 5.09% |
| XSD | SPDR S&P Semiconductor ETF | 4.41% |
| QTEC | First Trust NASDAQ-100 Technology Sector Index .. | 4.17% |
| SOXX | iShares Semiconductor ETF | 4.11% |
| PTF | Invesco DWA Technology Momentum ETF | 4.02% |
| SOXQ | Invesco PHLX Semiconductor ETF | 4.02% |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | 3.99% |
| PXE | Invesco Dynamic Energy Exploration & Production .. | 3.95% |
| PSI | Invesco Dynamic Semiconductors ETF | 3.90% |
| XBI | SPDR S&P BIOTECH ETF | 3.83% |

Sector & Industry Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| PXE | Invesco Dynamic Energy Exploration & Production ETF | 70.79 |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | 70.21 |
| FCG | First Trust Natural Gas ETF | 70.19 |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 69.69 |
| PSCE | Invesco S&P SmallCap Energy ETF | 69.61 |
| PXI | Invesco DWA Energy Momentum ETF | 68.74 |
| XLE | Energy Select Sector SPDR Fund | 68.65 |
| VDE | Vanguard Energy ETF | 68.61 |
| IYE | iShares U.S. Energy ETF | 68.51 |
| FENY | Fidelity MSCI Energy Index ETF | 68.48 |

Sector & Industry 1 Day Performance Laggards

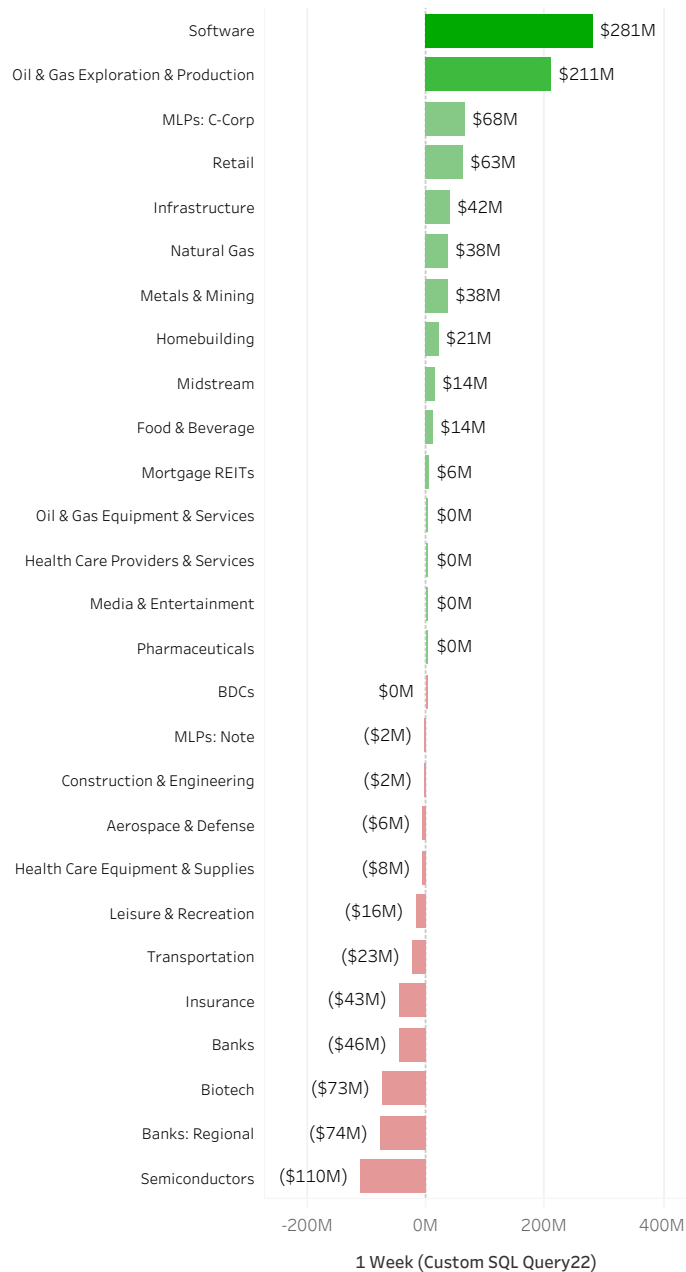
| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| FTXG | First Trust Nasdaq Food & Beverage ETF | 0.75% |
| IYK | iShares U.S. Consumer Staples ETF | 0.83% |
| FXG | First Trust Consumer Staples AlphaDEX Fund | 0.90% |
| FTXO | First Trust Nasdaq Bank ETF | 1.02% |
| VRAI | Virtus Real Asset Income ETF | 1.03% |
| IHE | iShares U.S. Pharmaceuticals ETF | 1.07% |
| PBJ | Invesco Dynamic Food & Beverage ETF | 1.09% |
| RHS | Invesco S&P 500 Equal Weight Consumer Staples ETF | 1.09% |
| XLP | Consumer Staples Select Sector SPDR Fund | 1.16% |
| KBWY | Invesco KBW Premium Yield Equity REIT ETF | 1.16% |

Sector & Industry Most Oversold

| Ticker | Fund | Value |
|--------|---|-------|
| INDS | Pacer Benchmark Industrial Real Estate SCTR ETF | 43.05 |
| FDN | First Trust Dow Jones Internet Index Fund | 44.10 |
| XBI | SPDR S&P BIOTECH ETF | 47.03 |
| PNQI | Invesco NASDAQ Internet ETF | 47.75 |
| RWR | SPDR Dow Jones REIT ETF | 48.04 |
| REZ | iShares Residential and Multisector Real Estate ETF | 48.53 |
| VDC | Vanguard Consumer Staples ETF | 48.69 |
| FSTA | FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I.. | 48.73 |
| XHE | SPDR S&P Health Care Equipment ETF | 48.83 |
| FTXG | First Trust Nasdaq Food & Beverage ETF | 48.88 |

* 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 | \$14B | (\$1M) | (\$150M) | (\$1,300M) | \$138M |
| Consumer Discretionary | 13 | \$24B | \$76M | (\$2,419M) | (\$4,107M) | (\$4,103M) |
| Consumer Staples | 12 | \$27B | (\$70M) | \$2,499M | \$6,203M | \$7,140M |
| Energy | 34 | \$85B | \$1,114M | (\$646M) | \$5,233M | \$4,290M |
| Financials | 28 | \$64B | (\$593M) | (\$13,896M) | (\$7,545M) | (\$9,233M) |
| Health Care | 26 | \$88B | \$716M | \$5,106M | \$8,671M | \$13,238M |
| Industrial | 14 | \$30B | \$478M | (\$269M) | (\$1,068M) | (\$5,757M) |
| Materials | 10 | \$18B | \$213M | \$1,448M | \$1,390M | (\$615M) |
| Multi-Sector | 19 | \$16B | \$189M | (\$2,196M) | (\$3,970M) | (\$3,024M) |
| Real Estate | 23 | \$71B | \$33M | (\$2,461M) | (\$421M) | \$7,940M |
| Technology | 24 | \$121B | (\$126M) | \$1,363M | (\$1,005M) | \$6,137M |
| Utilities | 10 | \$26B | \$345M | \$3,170M | \$4,045M | \$4,894M |

U.S. Sector & Industry Flow Leaders

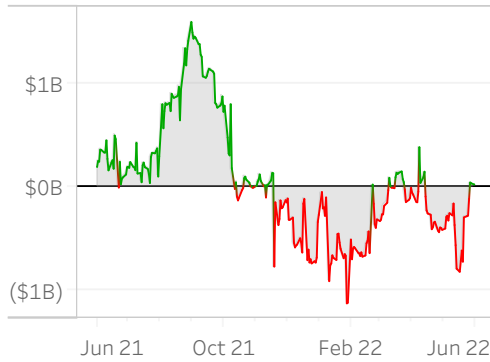
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|--------|------------|------------|------------|-----------|
| XLE | Energy Select Sector SPDR Fund | \$772M | (\$1,459M) | \$1,393M | \$1,096M | \$42,521M |
| XLV | Health Care Select Sector SPDR Fund | \$730M | \$4,776M | \$6,550M | \$9,604M | \$38,883M |
| XLI | Industrial Select Sector SPDR Fund | \$530M | (\$1,008M) | (\$1,287M) | (\$4,809M) | \$14,289M |
| IGV | iShares Expanded Tech-Software Sector ETF | \$282M | \$599M | \$523M | \$916M | \$4,552M |
| XLU | Utilities Select Sector SPDR Fund | \$270M | \$2,157M | \$2,639M | \$3,142M | \$16,494M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | \$203M | (\$164M) | \$276M | (\$846M) | \$5,506M |
| XLB | Materials Select Sector SPDR Fund | \$168M | (\$4M) | (\$672M) | (\$2,016M) | \$7,390M |
| FDN | First Trust Dow Jones Internet Index Fund | \$146M | (\$1,124M) | (\$2,373M) | (\$2,161M) | \$4,390M |
| VOX | Vanguard Communication Services ETF | \$142M | (\$64M) | (\$44M) | \$406M | \$3,112M |
| VHT | Vanguard Health Care ETF | \$78M | (\$331M) | \$41M | \$1,180M | \$15,791M |

U.S. Sector & Industry Flow Laggards

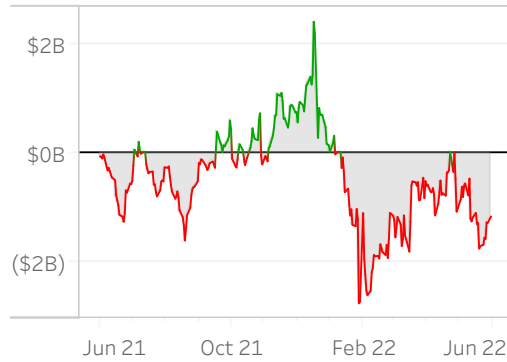
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|----------|------------|------------|------------|-----------|
| XLF | Financial Select Sector SPDR Fund | (\$363M) | (\$8,074M) | (\$4,030M) | (\$6,315M) | \$34,256M |
| XLK | Technology Select Sector SPDR Fund | (\$229M) | \$699M | \$903M | \$2,356M | \$40,845M |
| XLP | Consumer Staples Select Sector SPDR Fund | (\$119M) | \$809M | \$3,569M | \$4,215M | \$15,881M |
| XLC | Communication Services Select Sector SPDR Fu.. | (\$114M) | (\$127M) | (\$1,093M) | (\$249M) | \$10,038M |
| SOXX | iShares Semiconductor ETF | (\$102M) | (\$432M) | \$254M | \$1,389M | \$7,371M |
| KRE | SPDR S&P Regional Banking ETF | (\$74M) | (\$1,147M) | (\$618M) | (\$1,219M) | \$3,789M |
| IYE | iShares U.S. Energy ETF | (\$49M) | (\$518M) | (\$466M) | (\$656M) | \$3,202M |
| KIE | SPDR S&P Insurance ETF | (\$47M) | (\$1M) | (\$19M) | \$12M | \$451M |
| IBB | iShares Biotechnology ETF | (\$40M) | (\$8M) | \$81M | (\$374M) | \$7,435M |
| ITB | iShares U.S. Home Construction ETF | (\$38M) | (\$473M) | (\$770M) | (\$883M) | \$1,427M |

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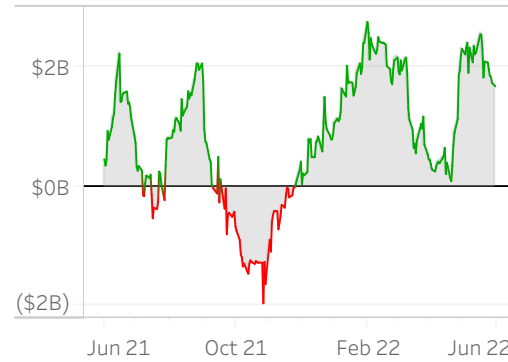
Communication Services



Consumer Discretionary



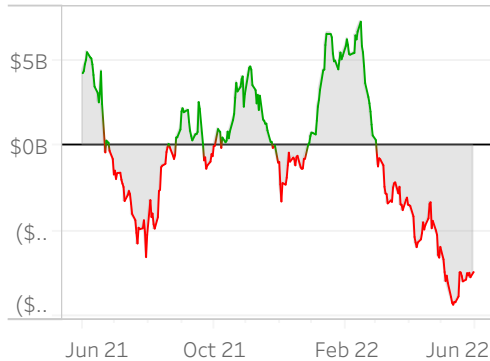
Consumer Staples



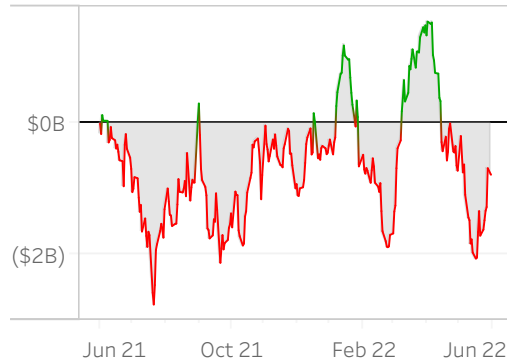
Energy



Financials



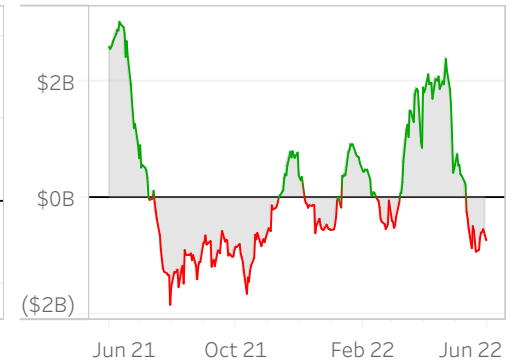
Industrial



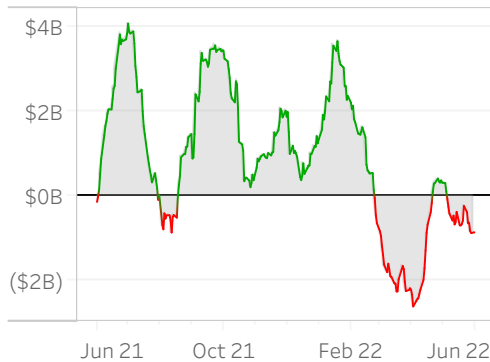
Health Care



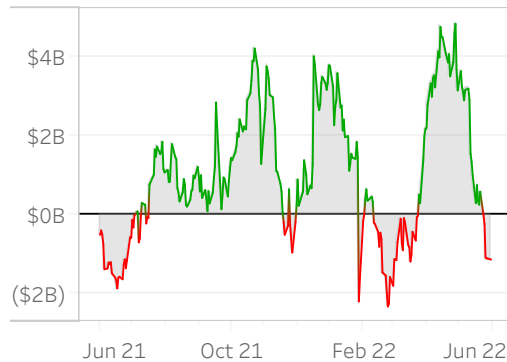
Materials



Real Estate



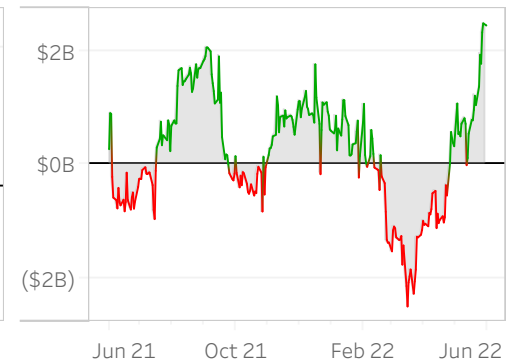
Technology



Utilities

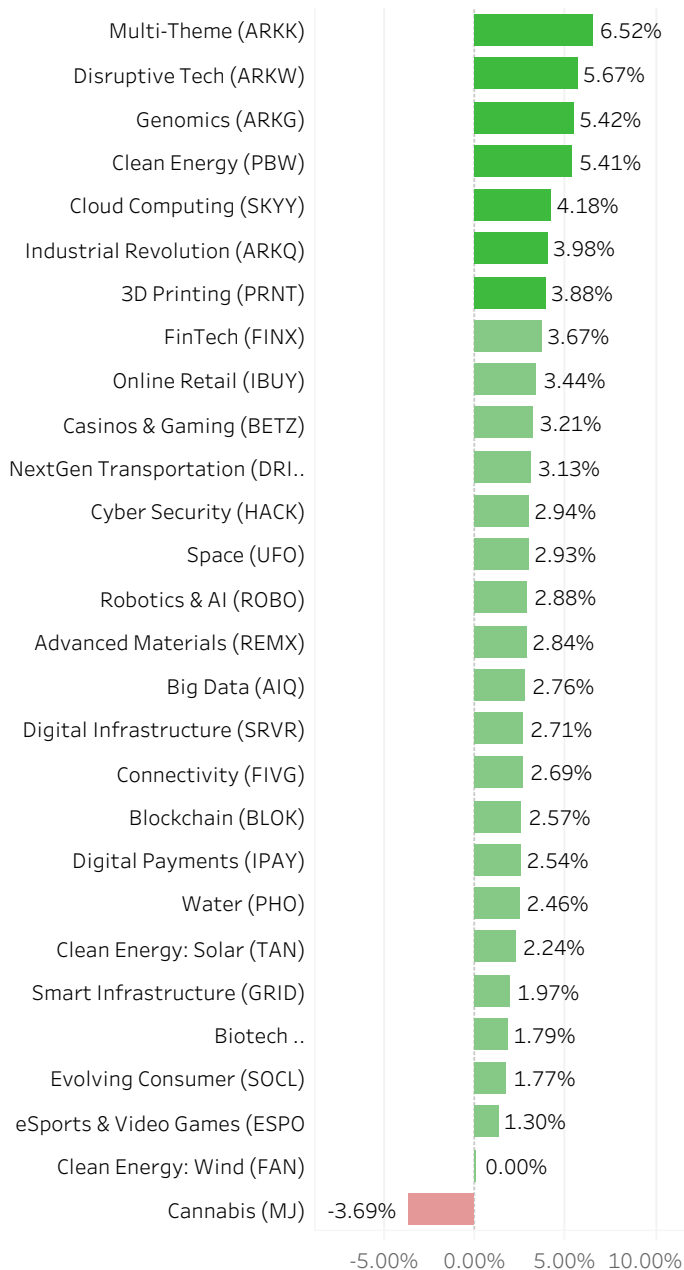


Multi-Sector

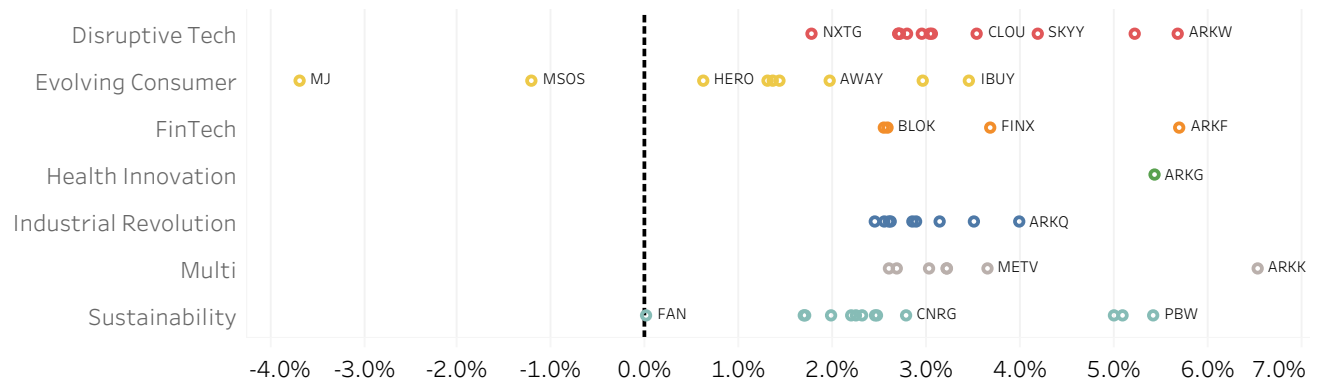


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| ARKK | ARK Innovation ETF | 6.52% |
| MOON | Direxion Moonshot Innovators ETF | 5.84% |
| GNOM | Global X Genomics & Biotechnology ETF | 5.71% |
| ARKF | ARK Fintech Innovation ETF | 5.68% |
| ARKW | ARK Next Generation Internet ETF | 5.67% |
| ARKG | ARK Genomic Revolution ETF | 5.42% |
| PBW | Invesco WilderHill Clean Energy ETF | 5.41% |
| WCLD | WisdomTree Cloud Computing Fund | 5.21% |
| ACES | ALPS Clean Energy ETF | 5.08% |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 4.99% |

Thematic Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| LIT | Global X Lithium & Battery Tech ETF | 61.84 |
| CNRG | SPDR S&P Kensho Clean Power ETF | 61.29 |
| ICLN | iShares Global Clean Energy ETF | 61.07 |
| TAN | Invesco Solar ETF | 60.87 |
| FAN | First Trust Global Wind Energy ETF | 60.19 |
| REMX | VanEck Rare Earth/Strategic Metals ETF | 58.45 |
| FIVG | Defiance Next Gen Connectivity ETF | 58.14 |
| VPN | Global X Data Center REITs & Digital Infrastructure ETF | 58.05 |
| ACES | ALPS Clean Energy ETF | 57.98 |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 57.91 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| MJ | ETFMG Alternative Harvest ETF | -3.69% |
| POTX | Global X Cannabis ETF | -3.37% |
| CNBS | Amplify Seymour Cannabis ETF | -2.21% |
| YOLO | AdvisorShares Pure Cannabis ETF | -1.72% |
| KSTR | KraneShares SSE STAR Market 50 Index ETF | -1.34% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -1.25% |
| MSOS | AdvisorShares Pure US Cannabis ETF | -1.22% |
| RNRG | Global X Funds Global X Renewable Energy Producers .. | -0.31% |
| FAN | First Trust Global Wind Energy ETF | 0.00% |
| HERO | Global X Video Games & Esports ETF | 0.61% |

Thematic Most Oversold

| Ticker | Fund | Value |
|--------|---|-------|
| YOLO | AdvisorShares Pure Cannabis ETF | 35.41 |
| POTX | Global X Cannabis ETF | 35.44 |
| CNBS | Amplify Seymour Cannabis ETF | 35.74 |
| MSOS | AdvisorShares Pure US Cannabis ETF | 36.03 |
| BITQ | Bitwise Crypto Industry Innovators ETF | 36.76 |
| BKCH | Global X Blockchain ETF | 36.88 |
| MJ | ETFMG Alternative Harvest ETF | 39.78 |
| BLOK | Amplify Transformational Data Sharing ETF | 41.32 |
| SBIO | ALPS Medical Breakthroughs ETF | 43.46 |
| WFH | Direxion Work From Home ETF | 45.61 |

* 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 |
|--------|---|-------|
| TAN | Invesco Solar ETF | \$60M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$25M |
| PBW | Invesco WilderHill Clean Energy ETF | \$24M |
| ARKK | ARK Innovation ETF | \$12M |
| CNRG | SPDR S&P Kensho Clean Power ETF | \$10M |
| TARK | AXS 2X Innovation ETF | \$8M |
| ARKF | ARK Fintech Innovation ETF | \$5M |
| FINX | Global X FinTech ETF | \$4M |
| FDIG | Fidelity Crypto Industry and Digital Payments ETF | \$2M |
| CLOU | Global X Cloud Computing ETF | \$2M |

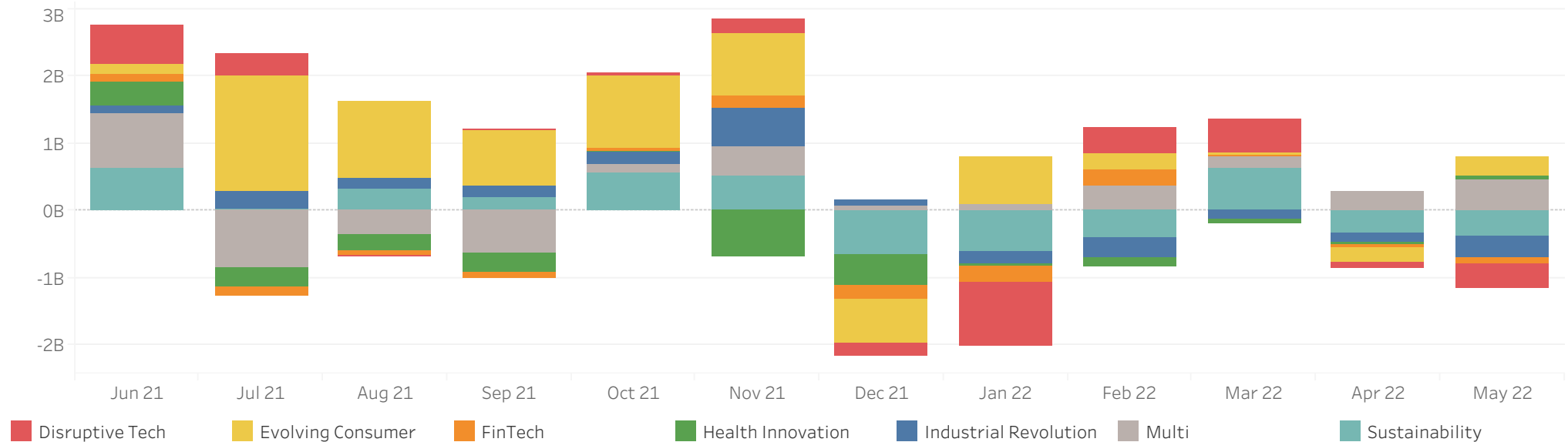
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|---|----------|
| KWEB | KraneShares CSI China Internet ETF | (\$250M) |
| XT | iShares Exponential Technologies ETF | (\$25M) |
| WCLD | WisdomTree Cloud Computing Fund | (\$17M) |
| ARKG | ARK Genomic Revolution ETF | (\$14M) |
| SKYY | First Trust Cloud Computing ETF | (\$13M) |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | (\$10M) |
| DRIV | Global X Autonomous & Electric Vehicles ETF | (\$9M) |
| CGW | Invesco S&P Global Water Index ETF | (\$8M) |
| GINN | Goldman Sachs ETF Trust Goldman Sachs Innovate Equity ETF | (\$7M) |
| ACES | ALPS Clean Energy ETF | (\$6M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|----------|----------|------------|------------|
| Disruptive Tech | 35 | \$19B | (\$18M) | \$29M | (\$731M) | \$446M |
| Evolving Consumer | 48 | \$10B | (\$263M) | \$91M | \$385M | \$6,234M |
| FinTech | 24 | \$3B | (\$1M) | (\$91M) | (\$304M) | (\$249M) |
| Health Innovation | 19 | \$4B | (\$19M) | (\$52M) | (\$662M) | (\$1,751M) |
| Industrial Revolution | 32 | \$13B | (\$23M) | (\$586M) | (\$993M) | \$430M |
| Multi | 42 | \$15B | (\$8M) | \$922M | \$1,464M | \$988M |
| Sustainability | 41 | \$18B | \$17M | (\$81M) | (\$1,756M) | \$523M |
| Grand Total | 241 | \$83B | (\$314M) | \$232M | (\$2,598M) | \$6,621M |

Thematic Monthly Flows

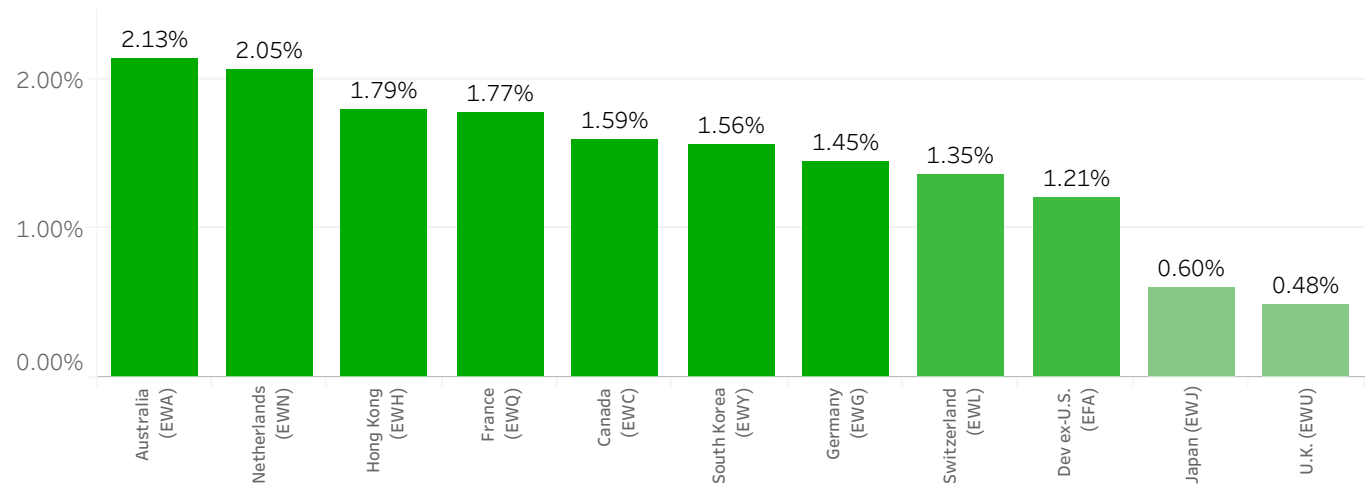


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

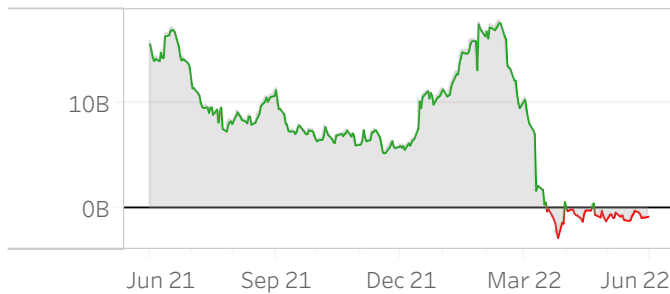
Developed ex-U.S. (EFA)



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



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



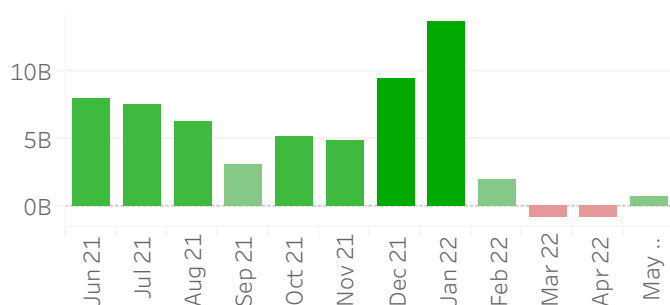
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| ISRA | VanEck Israel ETF | 2.30% |
| EWA | iShares MSCI Australia ETF | 2.13% |
| TOK | iShares MSCI Kokusai ETF | 2.09% |
| EPP | iShares MSCI Pacific ex-Japan ETF | 2.08% |
| EWN | iShares MSCI Netherlands ETF | 2.05% |
| ISVL | iShares International Developed Small Cap Value Factor ETF | 2.05% |
| EWD | iShares MSCI Sweden ETF | 2.04% |
| IQIN | IQ 500 International ETF | 2.04% |
| AIA | iShares Asia 50 ETF | 1.98% |
| BBAX | JPMorgan BetaBuilders Developed Asia Pacific-ex Japan ETF | 1.94% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| EWP | iShares MSCI Spain ETF | 66.79 |
| IQIN | IQ 500 International ETF | 64.48 |
| IVLU | iShares MSCI Intl Value Factor ETF | 63.08 |
| IDV | iShares International Select Dividend ETF | 63.00 |
| ICOW | Pacer Developed Markets International Cash Cows 100 ETF | 62.97 |
| IVAL | Alpha Architect International Quantitative Value ETF | 62.97 |
| IDOG | ALPS International Sector Dividend Dogs ETF | 62.87 |
| DFIV | Dimensional International Value ETF | 62.74 |
| EFV | iShares MSCI EAFE Value ETF | 62.39 |
| FYLD | Cambria Foreign Shareholder Yield ETF | 62.12 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| CIL | VictoryShares International Volatility Wtd ETF | -0.50% |
| EWJV | iShares MSCI Japan Value ETF | 0.00% |
| GREK | Global X MSCI Greece ETF | 0.04% |
| PTIN | Pacer Trendpilot International ETF | 0.10% |
| HDEF | Xtrackers MSCI EAFE High Dividend Yield Equity ETF | 0.21% |
| EWO | iShares MSCI Austria ETF | 0.23% |
| FEP | First Trust Europe AlphaDEX Fund | 0.33% |
| AIVI | WisdomTree International AI Enhanced Value Fund | 0.34% |
| LVHI | Legg Mason International Low Volatility High Dividend ETF | 0.37% |
| EWI | iShares MSCI Italy ETF | 0.38% |

Developed ex-U.S. Most Oversold

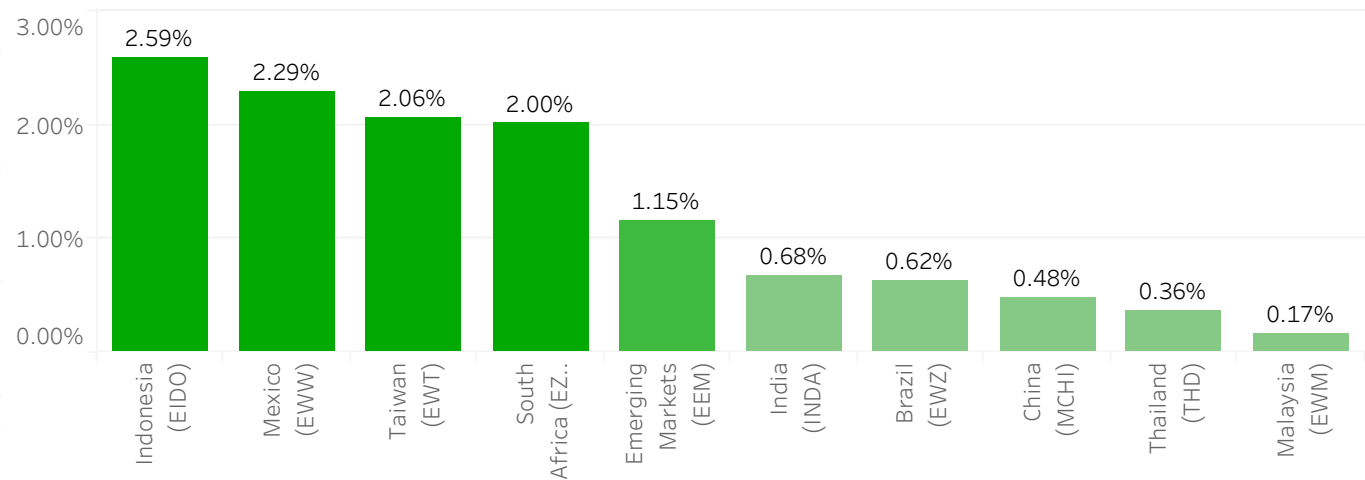
| Ticker | Fund | Value |
|--------|--|-------|
| PTIN | Pacer Trendpilot International ETF | 37.79 |
| ENZL | iShares MSCI New Zealand ETF | 43.44 |
| EIS | iShares MSCI Israel ETF | 47.48 |
| ISRA | VanEck Israel ETF | 50.45 |
| EWS | iShares MSCI Singapore ETF | 51.81 |
| EFAD | ProShares MSCI EAFE Dividend Growers ETF | 52.07 |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 53.12 |
| FSZ | First Trust Switzerland AlphaDEX Fund | 53.13 |
| CIL | VictoryShares International Volatility Wtd ETF | 53.27 |
| FLSW | Franklin FTSE Switzerland ETF | 53.37 |

*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)



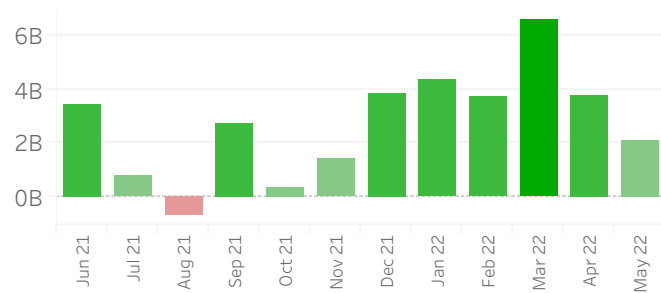
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|--|-------------|
| EIDO | iShares MSCI Indonesia ETF | 2.59% |
| ECH | iShares MSCI Chile ETF | 2.54% |
| FNI | First Trust Chindia ETF | 2.39% |
| PGJ | Invesco Golden Dragon China ETF | 2.37% |
| EWW | iShares MSCI Mexico ETF | 2.29% |
| IDX | VanEck Indonesia Index ETF | 2.21% |
| EWT | iShares MSCI Taiwan ETF | 2.06% |
| EZA | iShares MSCI South Africa ETF | 2.00% |
| NUEM | Nuveen ESG Emerging Markets Equity ETF | 1.84% |
| EMXC | iShares MSCI Emerging Markets ex China ETF | 1.68% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| ECH | iShares MSCI Chile ETF | 74.03 |
| FLN | First Trust Latin America AlphaDEX Fund | 66.02 |
| EWW | iShares MSCI Mexico ETF | 65.18 |
| ILF | iShares Latin America 40 ETF | 64.67 |
| EWZ | iShares MSCI Brazil ETF | 62.48 |
| FLBR | Franklin FTSE Brazil ETF | 61.94 |
| FRDM | Freedom 100 Emerging Markets ETF | 61.12 |
| EWZS | iShares MSCI Brazil Small-Cap ETF | 58.43 |
| THD | iShares MSCI Thailand ETF | 58.08 |
| ADRE | Invesco BLDERS Emerging Markets 50 ADR Index Fund | 57.59 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|---|-------------|
| SDEM | Global X MSCI SuperDividend Emerging Markets ETF | -0.32% |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 0.00% |
| EWM | iShares MSCI Malaysia ETF | 0.17% |
| EPOL | iShares MSCI Poland ETF | 0.18% |
| EWZS | iShares MSCI Brazil Small-Cap ETF | 0.19% |
| FLCH | Franklin FTSE China ETF | 0.25% |
| QAT | iShares MSCI Qatar ETF | 0.35% |
| THD | iShares MSCI Thailand ETF | 0.36% |
| DBEM | Xtrackers MSCI Emerging Markets Hedged Equity ETF | 0.37% |
| EPI | WisdomTree India Earnings Fund | 0.39% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|----------------------------------|-------|
| GLIN | VanEck India Growth Leaders ETF | 32.72 |
| EPI | WisdomTree India Earnings Fund | 40.01 |
| QAT | iShares MSCI Qatar ETF | 40.17 |
| SMIN | iShares MSCI India Small Cap ETF | 40.63 |
| TUR | iShares MSCI Turkey ETF | 41.34 |
| KSA | iShares MSCI Saudi Arabia ETF | 42.11 |
| FLIN | Franklin FTSE India ETF | 43.55 |
| VNM | VanEck Vietnam ETF | 43.84 |
| PIN | Invesco India ETF | 44.02 |
| INDA | iShares MSCI India ETF | 44.22 |

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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 | 0.16% | 0.76% | -8.16% |
| SHY | 1-3 Year Treasury Bonds | 0.02% | 0.49% | -2.26% |
| IEF | 7-10 Year Treasury Bonds | 0.14% | 0.99% | -8.82% |
| TLT | 20+ Year Treasury Bonds | 0.24% | -1.29% | -19.16% |
| TIP | TIPS Bonds | 0.32% | -0.54% | -5.44% |
| FLOT | Floating Rate Bonds | -0.06% | -0.11% | -0.55% |
| LQD | Investment Grade Corporate | 0.52% | 1.79% | -12.28% |
| HYG | High Yield Corporate | 0.89% | 1.81% | -6.42% |
| BKLN | Senior Loan | 0.48% | -1.84% | -3.08% |
| PFF | Preferred & Income Securities | 2.10% | 3.63% | -10.08% |
| MUB | Municipal Bonds | 0.37% | 1.51% | -6.31% |
| MBB | MBS | 0.19% | 1.18% | -6.66% |
| EMB | Dollar Denominated EM Bonds | 0.16% | -0.20% | -14.62% |
| LEMB | Local Currency EM Bond | 0.77% | 0.43% | -9.74% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|---------|
| DJP | Broad Commodities | 0.93% | 3.79% | 40.24% |
| DBE | Energy | 1.50% | 10.05% | 62.18% |
| USO | WTI Crude Oil | 1.03% | 11.90% | 57.21% |
| BNO | Brent Crude Oil | 1.35% | 12.30% | 61.50% |
| UNG | Natural Gas | -0.50% | 17.43% | 136.83% |
| UGA | Gasoline | 3.33% | 19.89% | 77.93% |
| DBP | Precious Metals | 0.25% | -2.51% | -0.80% |
| GLD | Gold | 0.05% | -1.78% | 1.11% |
| SLV | Silver | 0.25% | -5.26% | -5.35% |
| PPLT | abrdn Physical Platin.. | 0.48% | 3.95% | -1.39% |
| PALL | abrdn Physical Palla.. | 2.88% | -6.77% | 8.98% |
| DBB | Base Metals | 1.62% | -5.82% | 4.00% |
| CPER | Copper | 1.28% | -3.04% | -3.79% |
| LD | Lead | 0.45% | -7.37% | -6.03% |
| JJN | Nickel | 6.54% | -14.09% | 38.77% |
| JJU | Aluminum | 0.48% | -6.87% | 2.97% |
| JJT | Tin | 0.22% | -13.98% | -10.92% |
| DBA | Agriculture | 0.63% | 0.95% | 13.52% |
| CORN | Corn | 1.51% | -3.86% | 34.12% |
| SOYB | Soybeans | 0.02% | -0.42% | 26.07% |
| WEAT | Wheat | 2.03% | 6.63% | 56.70% |
| CANE | Sugar | 0.41% | 4.78% | 7.17% |
| BAL | Cotton | -5.06% | -1.99% | 27.96% |
| NIB | Cocoa | 0.22% | -2.26% | -6.74% |
| JO | Coffee | 2.43% | 6.77% | 2.07% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|--------|
| UUP | Long Dollar | -0.22% | -1.31% | 5.97% |
| UDN | Short Dollar | 0.01% | 1.15% | -6.27% |
| FXE | Euro | 0.19% | 1.65% | -5.96% |
| FXB | British Pound Sterling | 0.28% | 0.64% | -6.72% |
| FXF | Swiss Franc | 0.16% | 1.09% | -5.22% |
| FXJ | Japanese Yen | -0.04% | 0.89% | -9.57% |
| FXC | Canadian Dollar | 0.43% | 0.72% | -0.81% |
| FXA | Australian Dollar | 0.92% | 0.47% | -1.65% |

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Contact us at:

team@etfaction.com

www.etfaction.com