

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

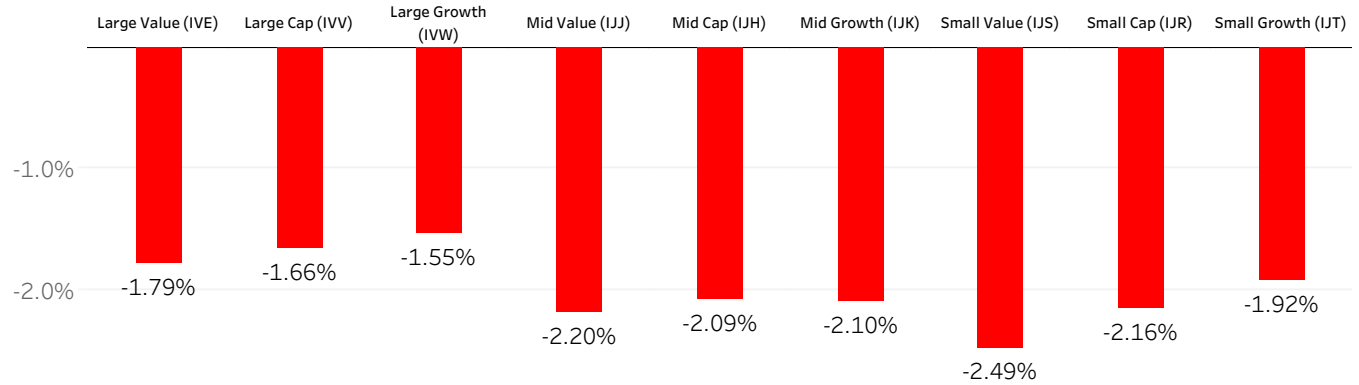


Small Cap Blend (S&P 600) IJR



■ 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 | Performance |
|--------|--|-------------|
| PTMC | Pacer Trendpilot US Mid Cap ETF | 0.28% |
| PTLC | Pacer Trendpilot US Large Cap ETF | -0.02% |
| LSAT | Leadershares Alphafactor Tactical Focused ETF | -0.03% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | -0.05% |
| ONOF | Global X Adaptive U.S. Risk Management ETF | -0.28% |
| PTNQ | Pacer Trendpilot 100 ETF | -0.44% |
| CFO | VictoryShares US 500 Enhanced Volatility Wtd ETF | -0.45% |
| CSF | VictoryShares US Discovery Enhanced Volatility Wtd ETF | -0.49% |
| TPLE | Timothy Plan Us Large/Mid Cap Core Enhanced ETF | -0.58% |
| QQH | HCM Defender 100 Index ETF | -0.66% |

Size & Style Most Overbought

| Ticker | Fund | Value |
|--------|--|-------|
| PTLC | Pacer Trendpilot US Large Cap ETF | 61.60 |
| LSAT | Leadershares Alphafactor Tactical Focused ETF | 51.14 |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 50.86 |
| ONOF | Global X Adaptive U.S. Risk Management ETF | 44.41 |
| RPHS | Regents Park Hedged Market Strategy ETF | 33.84 |
| CSF | VictoryShares US Discovery Enhanced Volatility Wtd ETF | 31.92 |
| SVAL | iShares US Small Cap Value Factor ETF | 31.86 |
| IPO | Renaissance IPO ETF | 31.74 |
| BUZZ | VanEck Social Sentiment ETF | 31.52 |
| PTNQ | Pacer Trendpilot 100 ETF | 31.32 |

Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--|-------------|
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | -8.51% |
| EQRR | ProShares Equities for Rising Rates ETF | -6.68% |
| ACSI | American Customer Satisfaction ETF | -6.31% |
| NZUS | SPDR MSCI USA Climate Paris Aligned ETF | -5.39% |
| FFTY | Innovator IBD 50 ETF | -5.39% |
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | -5.04% |
| QVAL | Alpha Architect U.S. Quantitative Value ETF | -4.36% |
| PABU | iShares Paris-Aligned Climate MSCI USA ETF | -4.20% |
| AIEQ | AI Powered Equity ETF | -4.02% |
| CLRG | IQ Chaikin U.S. Large Cap ETF | -3.94% |

Size & Style Most Oversold

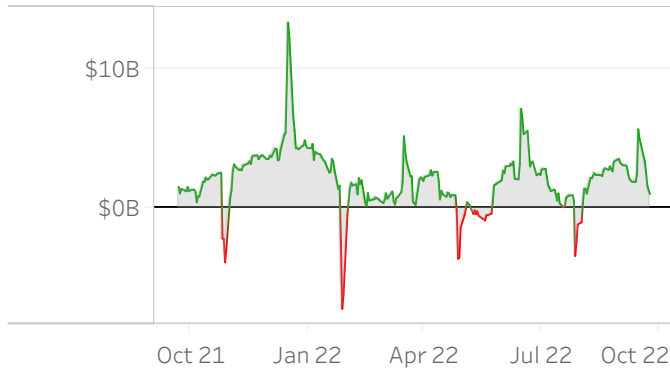
| Ticker | Fund | Value |
|--------|--|-------|
| QVMS | Invesco S&P SmallCap 600 QVM Multi-factor ETF | 8.10 |
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | 9.08 |
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity.. | 13.73 |
| QVML | Invesco S&P 500 QVM Multi-factor ETF | 21.18 |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | 22.39 |
| DEIF | Sterling Capital Diverse Multi-Manager Active ETF | 22.98 |
| FFTY | Innovator IBD 50 ETF | 24.32 |
| ONEO | SPDR Russell 1000 Momentum Focus ETF | 24.47 |
| CDC | VictoryShares US EQ Income Enhanced Volatility Wt.. | 24.66 |
| FUNL | CornerCap Fundametrics Large-Cap ETF | 24.70 |

*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 | \$1,145B | \$0.57B | \$15.28B | \$20.50B | \$98.60B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$212B | (\$0.77B) | \$5.17B | \$10.49B | \$15.56B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$204B | (\$0.43B) | (\$0.22B) | \$5.09B | \$25.04B |
| Mid Cap, Beta, Beta | 10 | \$164B | (\$1.72B) | \$1.76B | \$4.76B | \$12.89B |
| Mid Cap, Beta, Beta: Growth | 6 | \$30B | (\$0.47B) | \$0.74B | \$0.95B | \$1.26B |
| Mid Cap, Beta, Beta: Value | 6 | \$37B | (\$0.45B) | (\$0.11B) | \$0.01B | \$1.37B |
| Small Cap, Beta, Beta | 13 | \$178B | (\$0.28B) | \$0.44B | (\$3.96B) | \$6.09B |
| Small Cap, Beta, Beta: Growth | 7 | \$29B | (\$0.17B) | \$0.09B | \$0.29B | \$1.05B |
| Small Cap, Beta, Beta: Value | 7 | \$46B | (\$0.83B) | (\$1.56B) | (\$2.67B) | (\$2.54B) |

U.S. Size & Style Flow Leaders

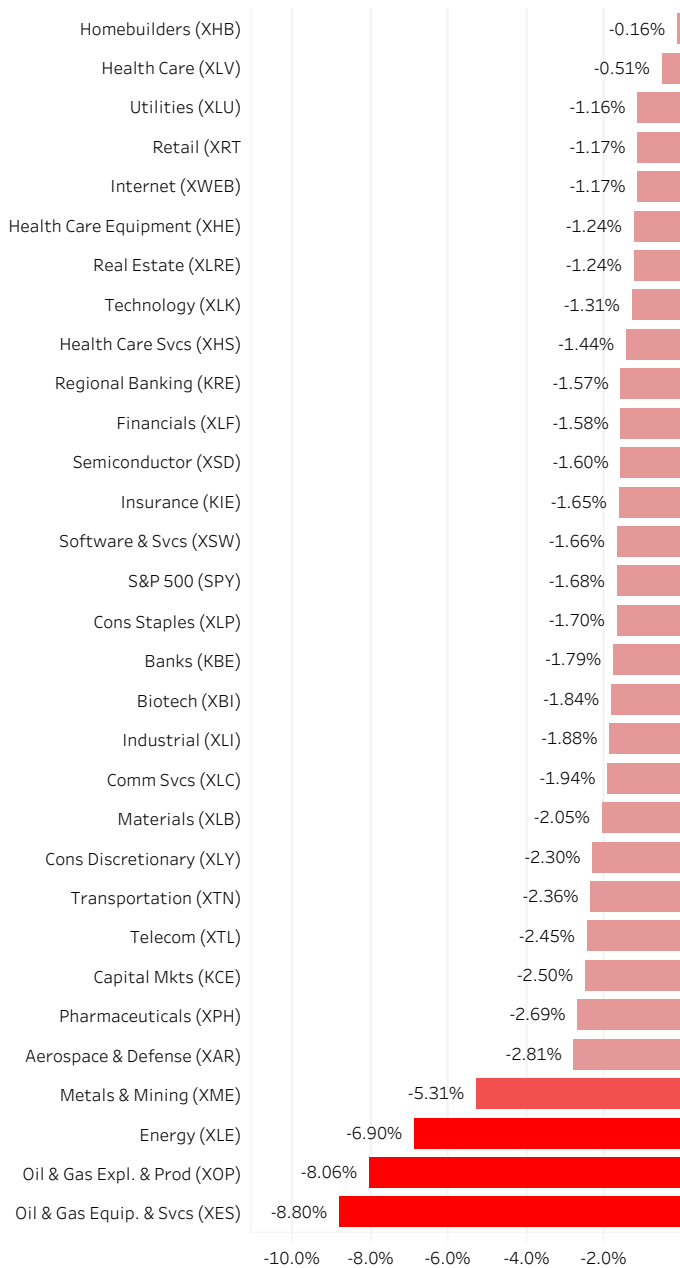
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|---------|-----------|-----------|-----------|-----------|
| ITOT | iShares Core S&P Total U.S. Stock Market ETF | \$1.77B | \$1.01B | \$3.45B | \$5.71B | \$40.47B |
| IWM | iShares Russell 2000 ETF | \$1.18B | (\$2.26B) | (\$3.48B) | (\$3.62B) | \$50.11B |
| QQQ | Invesco QQQ Trust | \$0.92B | \$0.05B | \$3.34B | \$12.47B | \$153.77B |
| SCHB | Schwab U.S. Broad Market ETF | \$0.53B | \$0.58B | \$0.97B | \$1.72B | \$19.75B |
| SCHD | Schwab US Dividend Equity ETF | \$0.33B | \$3.55B | \$6.89B | \$12.03B | \$36.33B |
| IVV | iShares Core S&P 500 ETF | \$0.27B | \$4.18B | \$5.56B | \$30.93B | \$282.06B |
| HDV | iShares Core High Dividend ETF | \$0.17B | (\$0.12B) | \$4.20B | \$5.23B | \$12.20B |
| IWO | iShares Russell 2000 Growth ETF | \$0.13B | (\$0.07B) | (\$0.32B) | \$0.43B | \$8.84B |
| DIA | SPDR Dow Jones Industrial Average ETF Trust | \$0.13B | \$0.10B | (\$0.39B) | \$1.07B | \$26.19B |
| IWD | iShares Russell 1000 Value ETF | \$0.13B | (\$0.73B) | (\$0.34B) | \$1.27B | \$49.59B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|----------------------------------|-----------|-----------|-----------|----------|-----------|
| VTI | Vanguard Total Stock Market ETF | (\$1.99B) | \$5.73B | \$9.97B | \$32.17B | \$249.20B |
| VXF | Vanguard Extended Market ETF | (\$1.59B) | \$0.24B | \$0.15B | \$0.58B | \$12.74B |
| VO | Vanguard Mid-Cap ETF | (\$1.42B) | \$0.83B | \$2.31B | \$5.45B | \$47.16B |
| VB | Vanguard Small-Cap ETF | (\$1.11B) | (\$0.15B) | (\$0.57B) | \$1.63B | \$39.06B |
| VBR | Vanguard Small Cap Value ETF | (\$0.77B) | (\$0.10B) | (\$0.76B) | \$0.22B | \$21.87B |
| VUG | Vanguard Growth ETF | (\$0.69B) | \$2.45B | \$5.21B | \$7.37B | \$69.56B |
| VOO | Vanguard S&P 500 ETF | (\$0.65B) | \$10.97B | \$11.43B | \$41.63B | \$253.35B |
| MOAT | VanEck Morningstar Wide Moat ETF | (\$0.64B) | \$0.09B | \$0.20B | \$0.72B | \$6.06B |
| VOT | Vanguard Mid-Cap Growth ETF | (\$0.44B) | \$0.13B | \$0.27B | \$0.85B | \$9.07B |
| VOE | Vanguard Mid-Cap Value ETF | (\$0.42B) | \$0.01B | \$0.46B | \$1.88B | \$14.89B |

* 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) |
|--------|--|-----------------|----------------|--------------------|---------------------|-----------|
| XLU | Utilities Select Sector SPDR Fund | -8.14% | 12.32% | -3.64% | 0.10% | 34.54 |
| XLP | Consumer Staples Select Sector SPDR Fund | -13.89% | 0.80% | -6.05% | -7.20% | 27.17 |
| XLV | Health Care Select Sector SPDR Fund | -14.07% | 2.37% | -5.08% | -6.57% | 35.82 |
| XLI | Industrial Select Sector SPDR Fund | -20.88% | 0.00% | -9.72% | -12.27% | 25.22 |
| SPY | SPDR S&P 500 ETF Trust | -22.98% | 0.57% | -8.74% | -12.60% | 28.74 |
| XLE | Energy Select Sector SPDR Fund | -23.62% | 32.96% | -8.90% | -4.96% | 30.71 |
| XLB | Materials Select Sector SPDR Fund | -24.48% | 0.00% | -10.42% | -16.60% | 27.63 |
| XLF | Financial Select Sector SPDR Fund | -25.04% | 1.01% | -7.50% | -13.33% | 29.67 |
| XLRE | Real Estate Select Sector SPDR Fund | -27.70% | 0.00% | -12.07% | -16.62% | 22.62 |
| XLK | Technology Select Sector SPDR Fund | -29.95% | 0.20% | -11.03% | -15.30% | 28.45 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -30.74% | 8.76% | -8.56% | -12.77% | 32.86 |
| XLC | Communication Services Select Sector SPDR Fund | -40.20% | 0.00% | -11.59% | -22.00% | 26.77 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|--|-------------------|
| ITB | iShares U.S. Home Construction ETF | 0.15% |
| XHB | SPDR S&P Homebuilders ETF | -0.16% |
| IHI | iShares U.S. Medical Devices ETF | -0.46% |
| XLV | Health Care Select Sector SPDR Fund | -0.51% |
| VHT | Vanguard Health Care ETF | -0.52% |
| IYH | iShares U.S. Healthcare ETF | -0.57% |
| PJP | Invesco Dynamic Pharmaceuticals ETF | -0.63% |
| FHLC | Fidelity MSCI Health Care Index ETF | -0.73% |
| RYH | Invesco S&P 500 Equal Weight Health Care ETF | -0.77% |
| FXH | First Trust Health Care AlphaDEX Fund | -0.86% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|--|-----------|
| KBWR | Invesco KBW Regional Banking ETF | 40.51 |
| QABA | First Trust NASDAQ ABA Community Bank Index Fund | 39.46 |
| PJP | Invesco Dynamic Pharmaceuticals ETF | 37.21 |
| ITB | iShares U.S. Home Construction ETF | 36.98 |
| KRE | SPDR S&P Regional Banking ETF | 36.63 |
| VPU | Vanguard Utilities ETF | 36.41 |
| IDU | iShares U.S. Utilities ETF | 36.25 |
| XLV | Health Care Select Sector SPDR Fund | 35.82 |
| IYH | iShares U.S. Healthcare ETF | 35.55 |
| FUTY | Fidelity MSCI Utilities Index ETF | 35.32 |

Sector & Industry 1 Day Performance Laggards

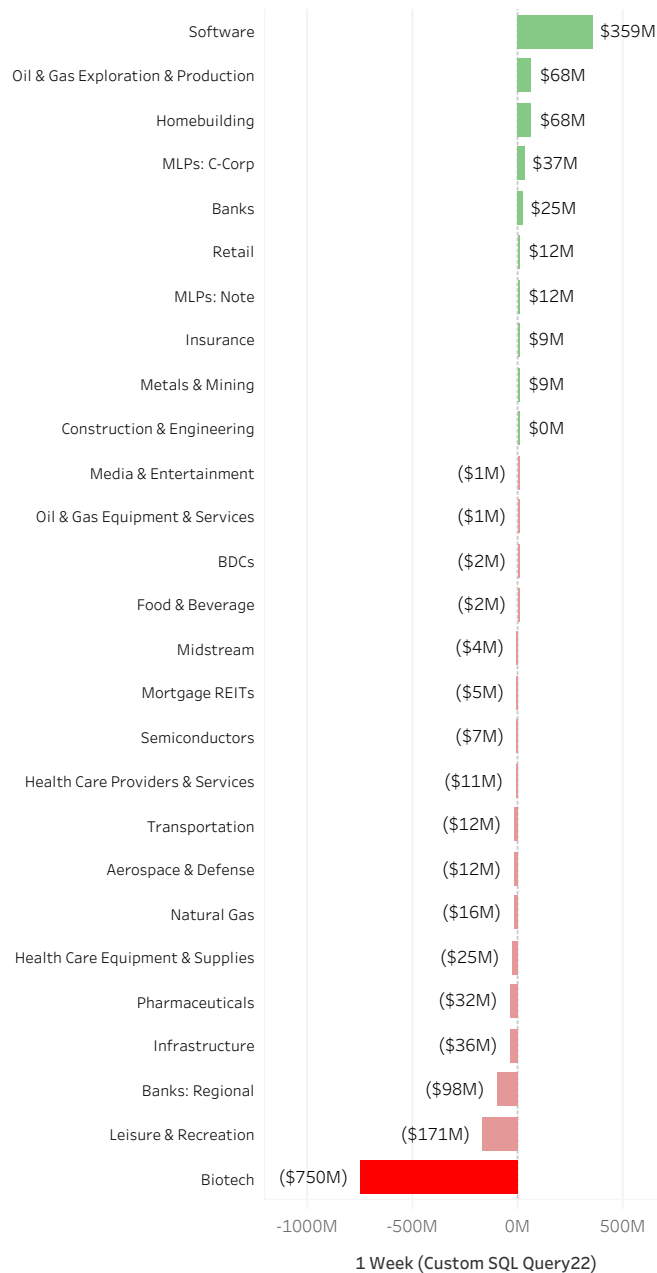
| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| PSCE | Invesco S&P SmallCap Energy ETF | -9.59% |
| XES | SPDR S&P Oil & Gas Equipment & Services ETF | -8.80% |
| IEZ | iShares U.S. Oil Equipment & Services ETF | -8.76% |
| PXI | Invesco DWA Energy Momentum ETF | -8.60% |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | -8.06% |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | -7.95% |
| AMZA | InfraCap MLP ETF | -7.93% |
| FCG | First Trust Natural Gas ETF | -7.84% |
| PXE | Invesco Dynamic Energy Exploration & Production ETF | -7.80% |
| FTXN | First Trust Nasdaq Oil & Gas ETF | -7.58% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| IYZ | iShares U.S. Telecommunications ETF | 20.31 |
| KBWD | Invesco KBW High Dividend Yield Financial ETF | 20.38 |
| VNQ | Vanguard Real Estate ETF | 21.91 |
| FREL | Fidelity MSCI Real Estate Index ETF | 22.14 |
| FRI | First Trust S&P REIT Index Fund | 22.20 |
| RWR | SPDR Dow Jones REIT ETF | 22.25 |
| BBRE | JPMorgan BetaBuilders MSCI U.S. REIT ETF | 22.40 |
| REM | iShares Mortgage Real Estate ETF | 22.53 |
| INDS | Pacer Benchmark Industrial Real Estate SCTR ETF | 22.54 |
| XLRE | Real Estate Select Sector SPDR Fund | 22.62 |

* 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 | 8 | \$12B | (\$240M) | (\$424M) | (\$881M) | (\$2,160M) |
| Consumer Discretionary | 13 | \$22B | (\$314M) | (\$713M) | (\$2,476M) | (\$4,707M) |
| Consumer Staples | 11 | \$27B | (\$190M) | \$1,142M | \$3,618M | \$7,258M |
| Energy | 34 | \$71B | (\$315M) | (\$2,952M) | (\$5,148M) | \$1,095M |
| Financials | 27 | \$55B | (\$1,057M) | (\$1,222M) | (\$15,547M) | (\$8,630M) |
| Health Care | 24 | \$86B | (\$887M) | \$994M | \$4,442M | \$10,734M |
| Industrial | 14 | \$26B | (\$536M) | (\$892M) | (\$3,220M) | (\$3,565M) |
| Materials | 10 | \$12B | (\$6M) | (\$2,319M) | (\$2,842M) | (\$1,461M) |
| Multi-Sector | 19 | \$13B | (\$348M) | (\$1,660M) | (\$2,888M) | (\$4,769M) |
| Real Estate | 25 | \$61B | \$246M | (\$1,079M) | (\$2,500M) | (\$978M) |
| Technology | 24 | \$103B | (\$935M) | (\$799M) | \$16M | \$767M |
| Utilities | 10 | \$28B | (\$159M) | \$1,760M | \$4,411M | \$5,711M |

U.S. Sector & Industry Flow Leaders

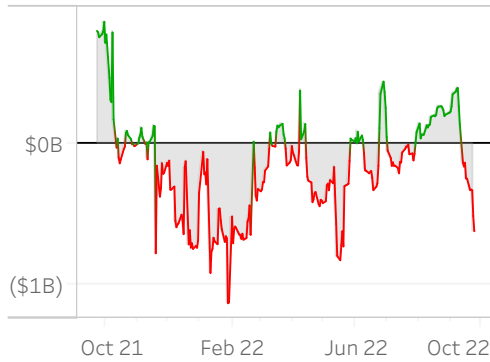
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|--------|------------|------------|------------|----------|
| IGV | iShares Expanded Tech-Software Sector ETF | \$359M | (\$205M) | (\$259M) | \$387M | \$3,753M |
| IYR | iShares U.S. Real Estate ETF | \$241M | (\$268M) | (\$514M) | (\$2,745M) | \$3,960M |
| IBB | iShares Biotechnology ETF | \$73M | \$62M | (\$405M) | (\$46M) | \$7,539M |
| VOX | Vanguard Communication Services ETF | \$69M | \$76M | (\$112M) | (\$286M) | \$2,571M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | \$66M | (\$435M) | (\$1,453M) | (\$1,169M) | \$4,049M |
| XLB | Materials Select Sector SPDR Fund | \$61M | (\$1,067M) | (\$1,137M) | (\$1,727M) | \$4,989M |
| ITB | iShares U.S. Home Construction ETF | \$48M | (\$84M) | (\$450M) | (\$675M) | \$1,202M |
| RWR | SPDR Dow Jones REIT ETF | \$37M | (\$43M) | (\$22M) | \$73M | \$1,591M |
| AML | Alerian MLP ETF | \$34M | (\$42M) | (\$33M) | \$635M | \$6,371M |
| VDC | Vanguard Consumer Staples ETF | \$34M | \$373M | \$304M | \$819M | \$6,602M |

U.S. Sector & Industry Flow Laggards

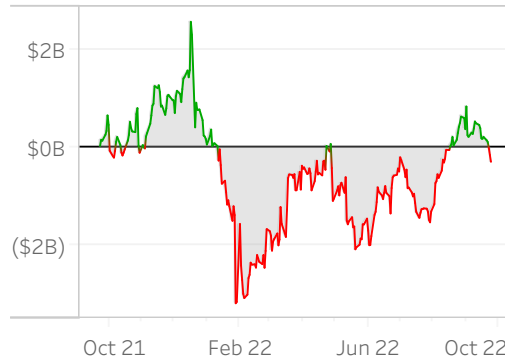
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|----------|------------|------------|------------|-----------|
| XLF | Financial Select Sector SPDR Fund | (\$939M) | (\$614M) | (\$9,729M) | (\$4,785M) | \$28,818M |
| XBI | SPDR S&P BIOTECH ETF | (\$824M) | (\$637M) | \$176M | \$2,466M | \$6,700M |
| XLK | Technology Select Sector SPDR Fund | (\$653M) | \$268M | \$1,115M | \$2,509M | \$37,727M |
| XLI | Industrial Select Sector SPDR Fund | (\$480M) | (\$649M) | (\$1,638M) | (\$3,456M) | \$12,052M |
| VGT | Vanguard Information Technology ETF | (\$452M) | (\$124M) | \$1,304M | \$994M | \$39,898M |
| XLC | Communication Services Select Sector SPDR Fu.. | (\$315M) | (\$550M) | (\$721M) | (\$1,819M) | \$8,024M |
| XLV | Consumer Discretionary Select Sector SPDR Fu.. | (\$308M) | (\$140M) | (\$362M) | (\$1,108M) | \$15,108M |
| XLE | Energy Select Sector SPDR Fund | (\$231M) | (\$1,262M) | (\$2,083M) | (\$1,214M) | \$34,793M |
| FDN | First Trust Dow Jones Internet Index Fund | (\$204M) | (\$349M) | (\$1,273M) | (\$2,618M) | \$3,865M |
| XLP | Consumer Staples Select Sector SPDR Fund | (\$201M) | \$325M | \$983M | \$3,556M | \$15,356M |

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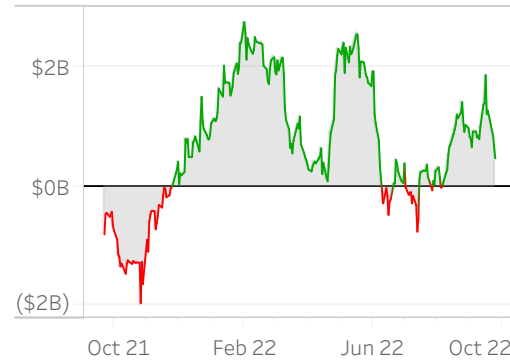
Communication Services



Consumer Discretionary



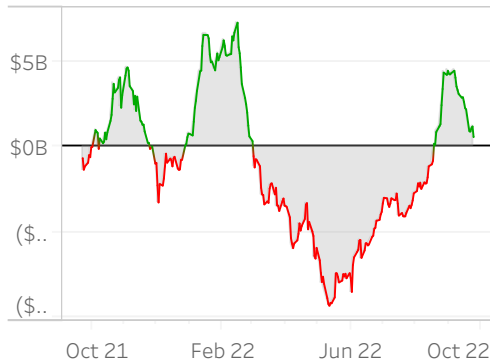
Consumer Staples



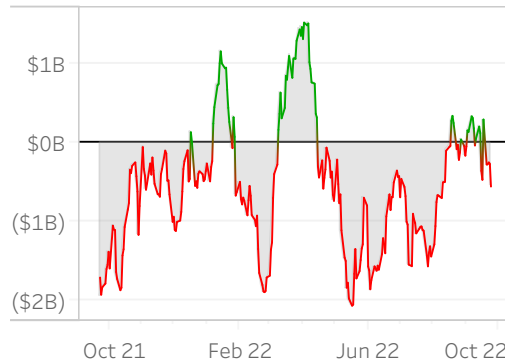
Energy



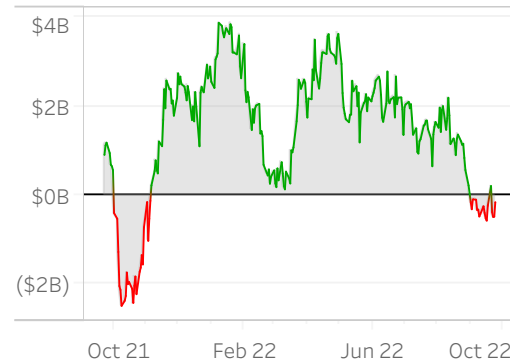
Financials



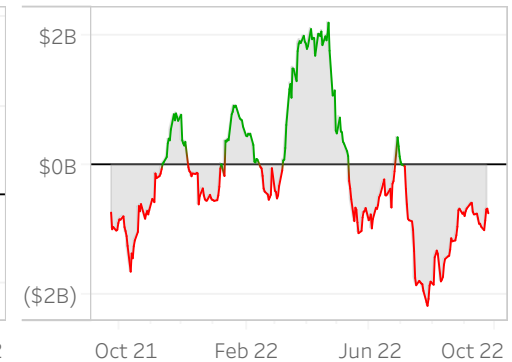
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

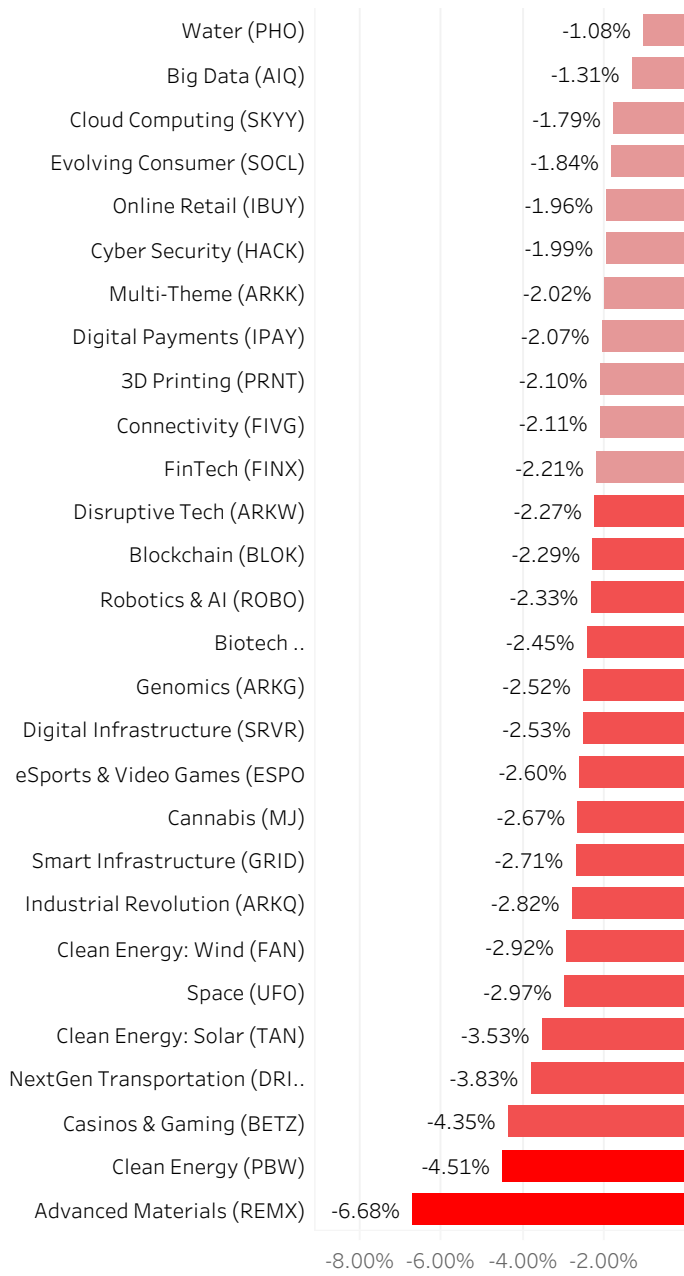


Multi-Sector

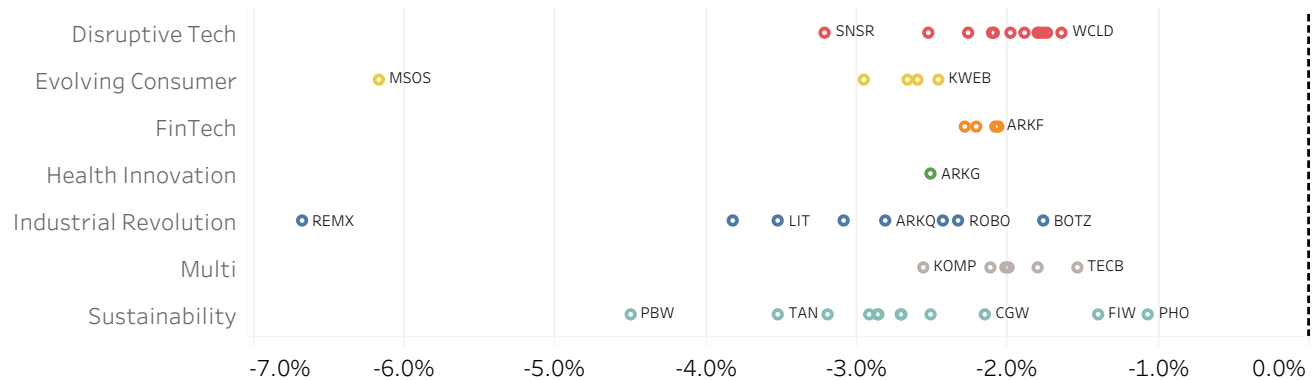


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| PHO | Invesco Water Resources ETF | -1.08% |
| PAWZ | ProShares Pet Care ETF | -1.12% |
| AIQ | Global X Artificial Intelligence & Technology ETF | -1.31% |
| PIO | Invesco Global Water ETF | -1.38% |
| HTEC | ROBO Global Healthcare Technology and Innovation ETF | -1.39% |
| FIW | First Trust Water ETF | -1.41% |
| TECB | iShares U.S. Tech Breakthrough Multisector ETF | -1.54% |
| WCLD | WisdomTree Cloud Computing Fund | -1.65% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -1.69% |
| GDOC | Goldman Sachs Future Health Care Equity ETF | -1.72% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| QLCN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 35.51 |
| ARKG | ARK Genomic Revolution ETF | 35.02 |
| CLOU | Global X Cloud Computing ETF | 34.82 |
| ARKK | ARK Innovation ETF | 34.46 |
| CNRG | SPDR S&P Kensho Clean Power ETF | 34.21 |
| BKCH | Global X Blockchain ETF | 33.98 |
| ACES | ALPS Clean Energy ETF | 33.94 |
| SBIO | ALPS Medical Breakthroughs ETF | 33.83 |
| LIT | Global X Lithium & Battery Tech ETF | 33.64 |
| ARKW | ARK Next Generation Internet ETF | 33.53 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| REMX | VanEck Rare Earth/Strategic Metals ETF | -6.68% |
| YOLO | AdvisorShares Pure Cannabis ETF | -6.61% |
| MSOS | AdvisorShares Pure US Cannabis ETF | -6.18% |
| CTEC | Global X CleanTech ETF | -4.62% |
| PBW | Invesco WilderHill Clean Energy ETF | -4.51% |
| BATT | Amplify Lithium & Battery Technology ETF | -4.47% |
| BETZ | Roundhill Sports Betting & iGaming ETF | -4.35% |
| BJK | VanEck Gaming ETF | -4.08% |
| PBD | Invesco Global Clean Energy ETF | -3.91% |
| DRIV | Global X Autonomous & Electric Vehicles ETF | -3.83% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|--|-------|
| YOLO | AdvisorShares Pure Cannabis ETF | 19.79 |
| SRVR | Pacer Benchmark Data & Infrastructure Real Estate SCTR.. | 21.72 |
| HERO | Global X Video Games & Esports ETF | 22.30 |
| NXTG | First Trust Indxx NextG ETF | 22.32 |
| VPN | Global X Data Center REITs & Digital Infrastructure ETF | 22.62 |
| FAN | First Trust Global Wind Energy ETF | 22.91 |
| GBUY | Goldman Sachs Future Consumer Equity ETF | 23.12 |
| PAWZ | ProShares Pet Care ETF | 23.22 |
| ESPO | VanEck Video Gaming and eSports ETF | 23.70 |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 24.02 |

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Thematic 1 Week Flow Leaders

| Ticker | Fund | |
|--------|--|--------|
| ARKK | ARK Innovation ETF | \$154M |
| TARK | AXS 2X Innovation ETF | \$13M |
| CNRG | SPDR S&P Kensho Clean Power ETF | \$5M |
| EVX | VanEck Environmental Services ETF | \$4M |
| IDRV | iShares Self-driving EV & Tech ETF | \$4M |
| MJUS | ETFMG U.S. Alternative Harvest ETF | \$3M |
| GXTG | Global X Thematic Growth ETF | \$1M |
| FRNW | Fidelity Clean Energy ETF | \$1M |
| SAMT | Strategas Macro Thematic Opportunities ETF | \$1M |
| BKCH | Global X Blockchain ETF | \$1M |

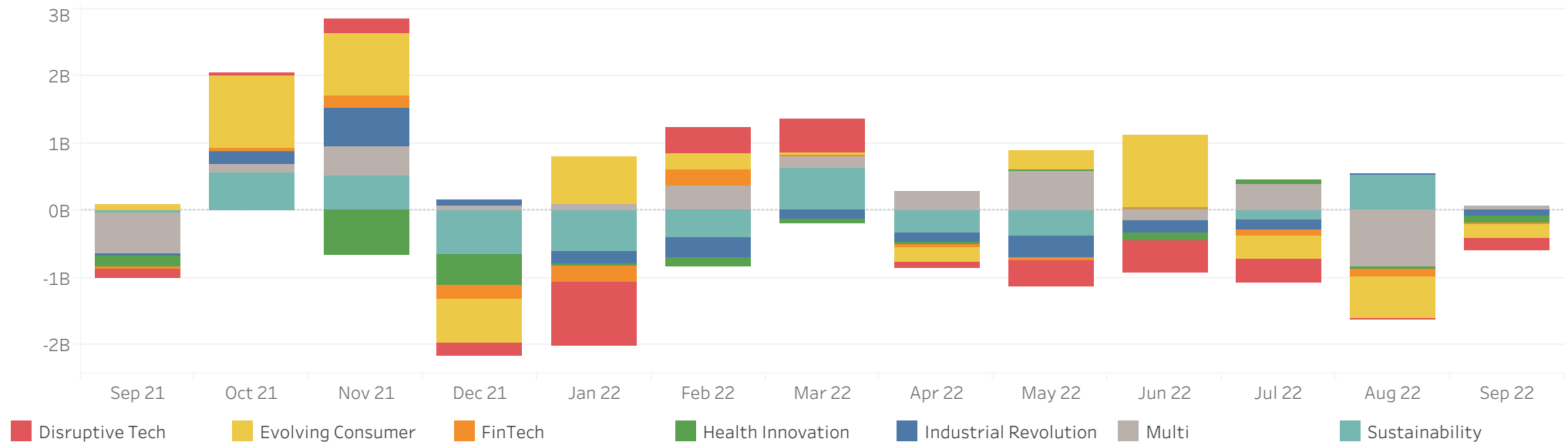
Thematic 1 Week Flow Laggards

| Ticker | Fund | |
|--------|--------------------------------------|----------|
| KWEB | KraneShares CSI China Internet ETF | (\$142M) |
| PBW | Invesco WilderHill Clean Energy ETF | (\$78M) |
| ARKG | ARK Genomic Revolution ETF | (\$65M) |
| TAN | Invesco Solar ETF | (\$46M) |
| ARKW | ARK Next Generation Internet ETF | (\$32M) |
| METV | Roundhill Ball Metaverse ETF | (\$21M) |
| CIBR | First Trust NASDAQ Cybersecurity ETF | (\$18M) |
| PHO | Invesco Water Resources ETF | (\$17M) |
| ARKF | ARK Fintech Innovation ETF | (\$12M) |
| ICLN | iShares Global Clean Energy ETF | (\$11M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|----------|------------|------------|------------|
| Disruptive Tech | 35 | \$17B | (\$84M) | (\$578M) | (\$1,429M) | (\$1,637M) |
| Evolving Consumer | 47 | \$9B | (\$148M) | (\$979M) | (\$14M) | \$2,409M |
| FinTech | 24 | \$3B | (\$16M) | (\$203M) | (\$282M) | (\$323M) |
| Health Innovation | 19 | \$3B | (\$75M) | (\$135M) | (\$203M) | (\$1,728M) |
| Industrial Revolution | 32 | \$11B | (\$21M) | (\$242M) | (\$863M) | (\$686M) |
| Multi | 41 | \$14B | \$135M | (\$618M) | \$255M | \$1,037M |
| Sustainability | 41 | \$19B | (\$166M) | \$433M | (\$329M) | (\$290M) |
| Grand Total | 239 | \$76B | (\$375M) | (\$2,321M) | (\$2,865M) | (\$1,218M) |

Thematic Monthly Flows

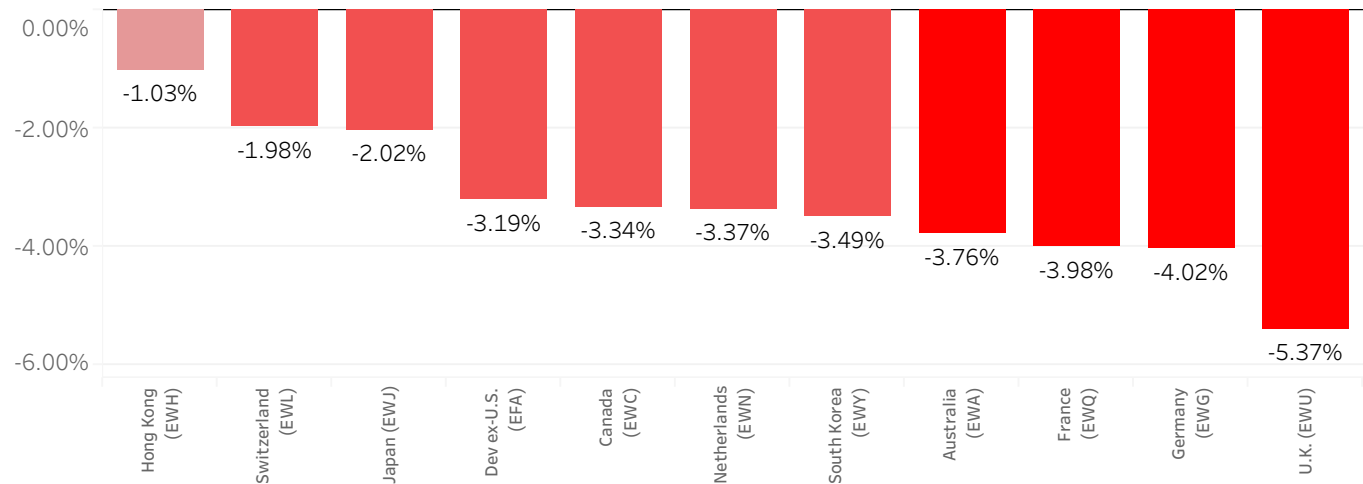


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



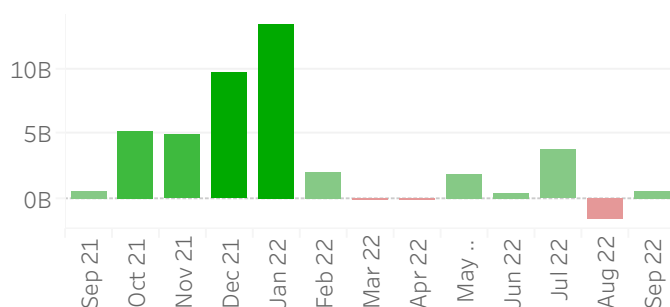
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| PTIN | Pacer Trendpilot International ETF | -0.11% |
| DXJ | WisdomTree Japan Hedged Equity Fund | -0.92% |
| EWH | iShares MSCI Hong Kong ETF | -1.03% |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | -1.21% |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | -1.41% |
| DFJ | WisdomTree Japan SmallCap Dividend Fund | -1.62% |
| HEFA | iShares Currency Hedged MSCI EAFE ETF | -1.65% |
| DBEF | Xtrackers MSCI EAFE Hedged Equity ETF | -1.71% |
| SCJ | iShares MSCI Japan Small-Cap ETF | -1.73% |
| HSCZ | iShares Currency Hedged MSCI EAFE Small-Cap ETF | -1.77% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|--|-------|
| PTIN | Pacer Trendpilot International ETF | 48.12 |
| DFJ | WisdomTree Japan SmallCap Dividend Fund | 37.55 |
| DXJ | WisdomTree Japan Hedged Equity Fund | 36.50 |
| SCJ | iShares MSCI Japan Small-Cap ETF | 36.36 |
| EWJV | iShares MSCI Japan Value ETF | 35.86 |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | 33.89 |
| EWI | iShares MSCI Italy ETF | 33.12 |
| BBJP | JPMorgan BetaBuilders Japan ETF | 32.22 |
| CIL | VictoryShares International Volatility Wtd ETF | 31.98 |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 31.95 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EWU | iShares MSCI United Kingdom ETF | -5.37% |
| FLGB | Franklin FTSE United Kingdom ETF | -5.36% |
| NORW | Global X MSCI Norway ETF | -5.33% |
| FEP | First Trust Europe AlphaDEX Fund | -5.29% |
| ICOW | Pacer Developed Markets International Cash Cows 100 ETF | -4.90% |
| EWO | iShares MSCI Austria ETF | -4.75% |
| EWI | iShares MSCI Italy ETF | -4.65% |
| IEUS | iShares MSCI Europe Small-Cap ETF | -4.65% |
| FDD | First Trust Stoxx European Select Dividend Index Fund | -4.47% |
| DFE | WisdomTree Europe SmallCap Dividend Fund | -4.36% |

Developed ex-U.S. Most Oversold

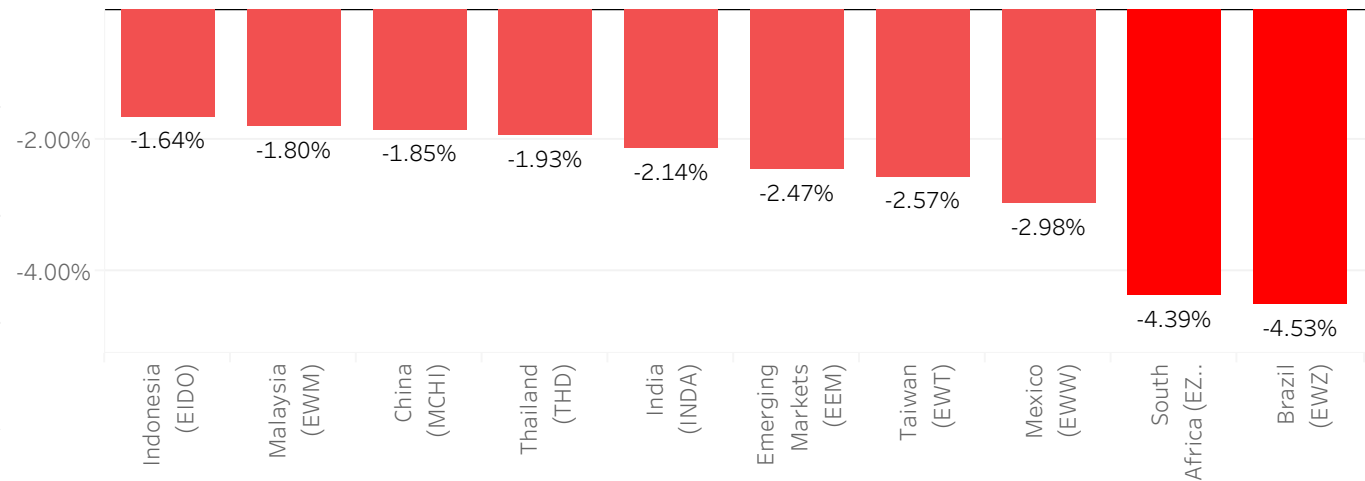
| Ticker | Fund | Value |
|--------|---|-------|
| IMFL | Invesco International Developed Dynamic Multifact.. | 17.25 |
| QLVD | FlexShares Developed Markets ex-US Quality Low V.. | 19.81 |
| IDOG | ALPS International Sector Dividend Dogs ETF | 20.69 |
| RFDI | First Trust Riverfront Dynamic Developed Internatio.. | 21.24 |
| IDLV | Invesco S&P International Developed Low Volatility .. | 21.33 |
| PIZ | Invesco DWA Developed Markets Momentum ETF | 21.87 |
| RODM | Hartford Multifactor Developed Markets (ex-US) ETF | 21.87 |
| EWU | iShares MSCI United Kingdom ETF | 22.02 |
| ICOW | Pacer Developed Markets International Cash Cows 1.. | 22.11 |
| FLGB | Franklin FTSE United Kingdom ETF | 22.12 |

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

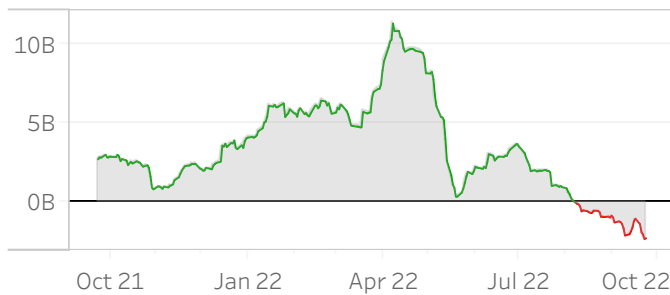
Emerging (EEM)



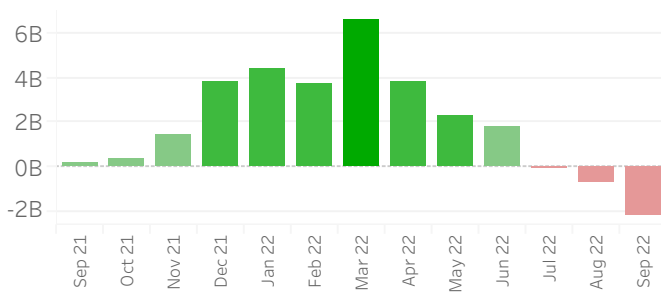
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| TUR | iShares MSCI Turkey ETF | -0.38% |
| QAT | iShares MSCI Qatar ETF | -1.08% |
| KSA | iShares MSCI Saudi Arabia ETF | -1.26% |
| EPHE | iShares MSCI Philippines ETF | -1.27% |
| FXI | iShares China Large-Cap ETF | -1.33% |
| EEMV | iShares MSCI Emerging Markets Min Vol Factor ETF | -1.49% |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index ETF | -1.55% |
| EELV | Invesco S&P Emerging Markets Low Volatility ETF | -1.63% |
| EIDO | iShares MSCI Indonesia ETF | -1.64% |
| CNYA | iShares MSCI China A ETF | -1.71% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|-----------------------------------|-------|
| TUR | iShares MSCI Turkey ETF | 51.91 |
| EWZS | iShares MSCI Brazil Small-Cap ETF | 49.51 |
| EWZ | iShares MSCI Brazil ETF | 48.83 |
| FLBR | Franklin FTSE Brazil ETF | 48.40 |
| EIDO | iShares MSCI Indonesia ETF | 47.35 |
| ILF | iShares Latin America 40 ETF | 45.75 |
| FLLA | Franklin FTSE Latin America ETF | 44.70 |
| EWW | iShares MSCI Mexico ETF | 40.85 |
| SMIN | iShares MSCI India Small Cap ETF | 39.41 |
| FLIN | Franklin FTSE India ETF | 36.79 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| EPU | iShares MSCI Peru ETF | -5.82% |
| EPOL | iShares MSCI Poland ETF | -5.41% |
| FLBR | Franklin FTSE Brazil ETF | -4.79% |
| EWZ | iShares MSCI Brazil ETF | -4.53% |
| EZA | iShares MSCI South Africa ETF | -4.39% |
| ILF | iShares Latin America 40 ETF | -4.32% |
| FLLA | Franklin FTSE Latin America ETF | -4.21% |
| ECH | iShares MSCI Chile ETF | -3.95% |
| EWZS | iShares MSCI Brazil Small-Cap ETF | -3.82% |
| EYLD | Cambria Emerging Shareholder Yield ETF | -3.42% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|--|-------|
| EDIV | SPDR S&P Emerging Markets Dividend ETF | 20.36 |
| RAYC | Rayliant Quantamental China Equity ETF | 20.99 |
| EELV | Invesco S&P Emerging Markets Low Volatility ETF | 21.25 |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 21.57 |
| CNYA | iShares MSCI China A ETF | 21.83 |
| EWM | iShares MSCI Malaysia ETF | 22.41 |
| FM | iShares MSCI Frontier and Select EM ETF | 22.69 |
| EPHE | iShares MSCI Philippines ETF | 23.21 |
| EEMV | iShares MSCI Emerging Markets Min Vol Factor ETF | 23.28 |
| EWT | iShares MSCI Taiwan ETF | 23.43 |

*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 | -0.31% | -4.05% | -13.62% |
| SHY | 1-3 Year Treasury Bonds | -0.12% | -1.38% | -4.52% |
| IEF | 7-10 Year Treasury Bonds | 0.12% | -4.70% | -14.92% |
| TLT | 20+ Year Treasury Bonds | 0.41% | -5.46% | -27.69% |
| TIP | TIPS Bonds | -0.43% | -5.62% | -11.73% |
| FLOT | Floating Rate Bonds | 0.00% | 0.51% | 0.14% |
| LQD | Investment Grade Corporate | -0.29% | -5.29% | -19.43% |
| HYG | High Yield Corporate | -1.27% | -4.96% | -14.37% |
| BKLN | Senior Loan | -1.07% | -2.50% | -5.11% |
| PFF | Preferred & Income Securities | -1.28% | -5.15% | -17.23% |
| MUB | Municipal Bonds | -0.27% | -2.76% | -9.96% |
| MBB | MBS | -0.40% | -5.15% | -12.92% |
| EMB | Dollar Denominated EM Bonds | -1.21% | -5.57% | -22.55% |
| LEMB | Local Currency EM Bond | -1.38% | -3.04% | -16.17% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|---------|
| DJP | Broad Commodities | -3.63% | -10.42% | 15.68% |
| DBE | Energy | -4.09% | -13.68% | 33.02% |
| USO | WTI Crude Oil | -5.29% | -14.98% | 20.16% |
| BNO | Brent Crude Oil | -4.55% | -12.56% | 30.51% |
| UNG | Natural Gas | -4.29% | -24.80% | 92.71% |
| UGA | Gasoline | -4.57% | -13.93% | 25.83% |
| DBP | Precious Metals | -2.26% | -5.29% | -13.45% |
| GLD | Gold | -1.73% | -6.00% | -10.50% |
| SLV | Silver | -4.04% | -1.48% | -19.29% |
| PPLT | abrdn Physical Platin.. | -4.89% | -3.04% | -11.54% |
| PALL | abrdn Physical Palla.. | -4.66% | 4.16% | 8.58% |
| DBB | Base Metals | -2.58% | -9.16% | -18.46% |
| CPER | Copper | -3.36% | -9.57% | -26.06% |
| LD | Lead | -3.72% | -9.99% | -23.97% |
| JJN | Nickel | -4.20% | 7.06% | 12.82% |
| JJU | Aluminum | -2.62% | -11.00% | -22.70% |
| JJT | Tin | -6.53% | -17.48% | -46.73% |
| DBA | Agriculture | -1.94% | -1.41% | 2.58% |
| CORN | Corn | -1.86% | 1.97% | 24.93% |
| SOYB | Soybeans | -1.86% | -2.29% | 18.15% |
| WEAT | Wheat | -3.08% | 6.91% | 19.35% |
| CANE | Sugar | -2.07% | -1.19% | -4.84% |
| BAL | Cotton | -4.49% | -17.62% | -0.83% |
| NIB | Cocoa | -2.92% | -4.48% | -18.79% |
| JO | Coffee | -1.58% | -3.44% | -0.10% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | 1.57% | 4.37% | 18.30% |
| UDN | Short Dollar | -1.27% | -3.67% | -15.66% |
| FXE | Euro | -1.51% | -2.81% | -15.39% |
| FXB | British Pound Sterling | -3.39% | -8.04% | -19.65% |
| FXF | Swiss Franc | -0.51% | -1.90% | -7.87% |
| FXJ | Japanese Yen | -0.72% | -4.62% | -19.99% |
| FXC | Canadian Dollar | -0.80% | -4.71% | -7.15% |
| FXA | Australian Dollar | -1.72% | -5.77% | -10.29% |

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

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