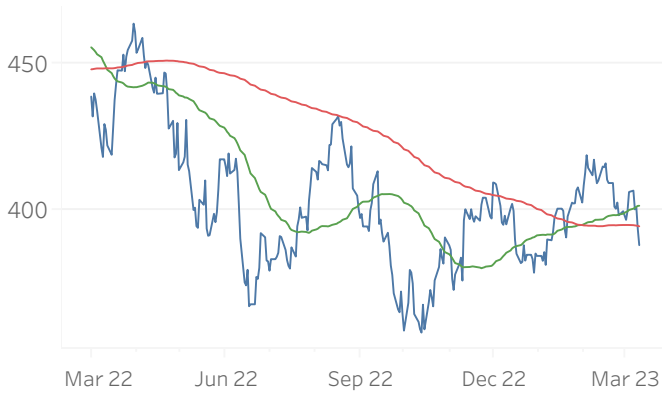
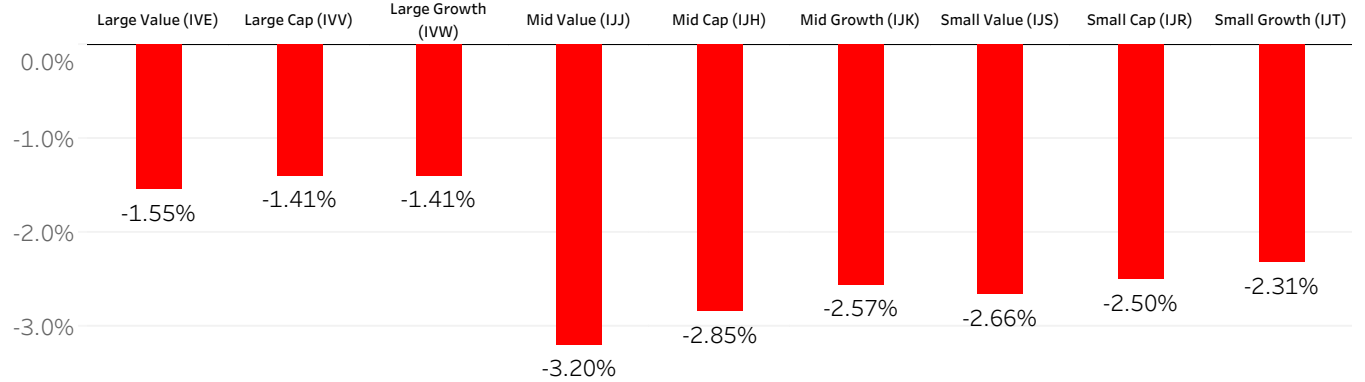


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.12%
RPHS	Regents Park Hedged Market Strategy ETF	-0.36%
ABEQ	Absolute Select Value ETF	-0.46%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.57%
USMC	Principal U.S. Mega-Cap ETF	-0.62%
DURA	VanEck Durable High Dividend ETF	-0.72%
DIVZ	TrueShares Low Volatility Equity Income ETF	-0.83%
PWV	Invesco Dynamic Large Cap Value ETF	-0.84%
HDV	iShares Core High Dividend ETF	-0.87%
SQEW	LeaderShares Equity Skew ETF	-0.89%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	61.71
QQQM	Invesco NASDAQ 100 ETF	42.28
QQQ	Invesco QQQ Trust	42.24
QQH	HCM Defender 100 Index ETF	41.61
MGK	Vanguard Mega Cap Growth ETF	41.12
TMFC	Motley Fool 100 Index ETF	40.48
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	40.41
SCHG	Schwab U.S. Large-Cap Growth ETF	40.39
IWY	iShares Russell Top 200 Growth ETF	40.27
WINN	Harbor Long-Term Growers ETF	39.97

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
NUMV	Nuveen ESG Mid-Cap Value ETF	-3.89%
DWAS	Invesco DWA SmallCap Momentum ETF	-3.87%
RFV	Invesco S&P Midcap 400 Pure Value ETF	-3.80%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-3.67%
IWC	iShares Micro-Cap ETF	-3.60%
TMFS	Motley Fool Small-Cap Growth ETF	-3.41%
SFYX	SoFi Next 500 ETF	-3.40%
TMFM	Motley Fool Mid-Cap Growth ETF	-3.29%
NUSC	Nuveen ESG Small-Cap ETF	-3.23%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	-3.22%

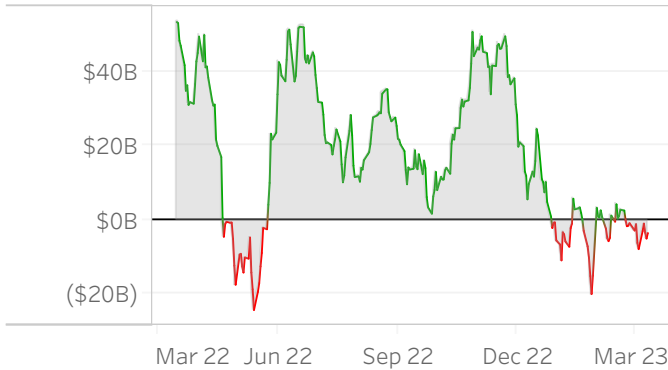
Size & Style Most Oversold

Ticker	Fund	Value
DIV	Global X SuperDividend US ETF	14.28
NUMV	Nuveen ESG Mid-Cap Value ETF	21.73
SPDV	AAM S&P 500 High Dividend Value ETF	23.13
SIXL	ETC 6 Meridian Low Beta Equity ETF	23.22
CDL	VictoryShares US Large Cap High Dividend Volatility ..	23.29
RDIV	Invesco S&P Ultra Dividend Revenue ETF	23.56
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	23.67
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	23.86
USMF	WisdomTree U.S. Multifactor Fund	23.86
WBIG	WBI BullBear Yield 3000 ETF	23.88

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

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

Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	25	\$1,205B	\$2.76B	(\$27.61B)	\$7.43B	\$40.93B
Large Cap, Beta, Beta: Growth	10	\$225B	\$0.35B	\$0.04B	\$8.90B	\$21.67B
Large Cap, Beta, Beta: Value	11	\$219B	(\$0.34B)	\$2.08B	\$3.02B	\$7.79B
Mid Cap, Beta, Beta	10	\$185B	(\$0.19B)	(\$0.07B)	\$6.41B	\$12.05B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.05B)	(\$0.74B)	(\$0.48B)	\$0.77B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.23B	(\$0.56B)	\$1.12B	\$1.19B
Small Cap, Beta, Beta	13	\$195B	\$0.63B	\$2.23B	\$5.36B	\$1.62B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.00B	(\$0.32B)	\$0.41B	\$0.96B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.15B)	\$0.53B	\$1.59B	(\$2.23B)

U.S. Size & Style Flow Leaders

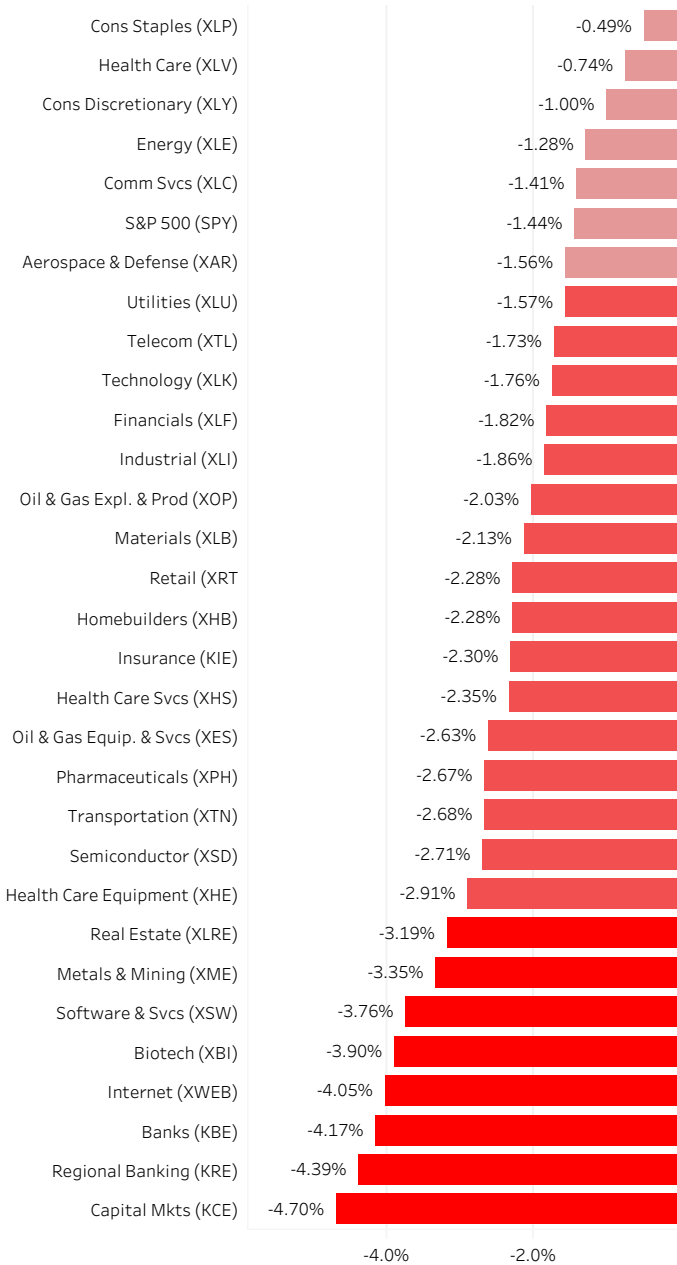
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$0.73B	(\$20.83B)	(\$3.14B)	(\$2.99B)	\$353.65B
IVV	iShares Core S&P 500 ETF	\$0.72B	(\$5.85B)	\$0.19B	\$9.07B	\$293.94B
QQQ	Invesco QQQ Trust	\$0.72B	(\$4.96B)	(\$4.13B)	\$1.74B	\$156.54B
VOO	Vanguard S&P 500 ETF	\$0.50B	\$3.11B	\$8.40B	\$21.05B	\$271.30B
QQQM	Invesco NASDAQ 100 ETF	\$0.38B	\$1.24B	\$2.43B	\$4.27B	\$7.33B
IWM	iShares Russell 2000 ETF	\$0.31B	(\$1.46B)	(\$0.33B)	(\$3.95B)	\$52.07B
SCHD	Schwab US Dividend Equity ETF	\$0.20B	\$4.19B	\$8.46B	\$13.76B	\$45.97B
COWZ	Pacer US Cash Cows 100 ETF	\$0.17B	\$2.61B	\$4.93B	\$9.88B	\$12.59B
VUG	Vanguard Growth ETF	\$0.13B	\$1.55B	\$3.42B	\$9.60B	\$75.19B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.13B	\$0.30B	\$0.32B	\$0.33B	\$7.84B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	(\$0.64B)	\$0.34B	\$0.51B	\$0.89B	\$2.61B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.39B)	(\$2.13B)	(\$0.84B)	(\$0.32B)	\$27.32B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.26B)	\$0.57B	\$2.30B	\$1.42B	\$15.44B
VONE	Vanguard Russell 1000 ETF	(\$0.25B)	(\$0.12B)	\$0.63B	\$0.84B	\$3.37B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.15B)	(\$1.21B)	(\$0.08B)	\$2.44B	\$27.74B
VO	Vanguard Mid-Cap ETF	(\$0.14B)	(\$1.99B)	\$0.75B	\$3.44B	\$51.39B
DVY	iShares Select Dividend ETF	(\$0.10B)	\$0.10B	\$0.91B	\$2.66B	\$22.08B
IWD	iShares Russell 1000 Value ETF	(\$0.10B)	(\$2.86B)	(\$1.63B)	(\$2.78B)	\$50.30B
HDV	iShares Core High Dividend ETF	(\$0.10B)	(\$0.69B)	(\$0.98B)	\$2.91B	\$11.14B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.09B)	\$0.55B	\$0.62B	(\$0.67B)	\$7.71B

* 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)
XLI	Industrial Select Sector SPDR Fund	-5.45%	19.51%	-2.30%	4.04%	38.42
XLP	Consumer Staples Select Sector SPDR Fund	-11.74%	6.93%	-3.00%	-2.57%	35.73
XLE	Energy Select Sector SPDR Fund	-12.17%	22.43%	-5.42%	-0.08%	37.25
XLV	Health Care Select Sector SPDR Fund	-13.08%	3.55%	-5.92%	-4.88%	27.65
XLB	Materials Select Sector SPDR Fund	-13.66%	16.13%	-4.69%	0.57%	34.97
SPY	SPDR S&P 500 ETF Trust	-16.39%	8.23%	-3.49%	-1.66%	34.48
XLF	Financial Select Sector SPDR Fund	-16.68%	8.72%	-7.91%	-2.87%	21.48
XLK	Technology Select Sector SPDR Fund	-16.96%	16.48%	0.34%	2.48%	45.08
XLU	Utilities Select Sector SPDR Fund	-17.54%	4.71%	-5.80%	-7.91%	36.70
XLC	Communication Services Select Sector SPDR Fund	-26.60%	15.08%	-2.81%	-1.03%	38.34
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.84%	9.46%	-3.61%	-5.49%	35.19
XLRE	Real Estate Select Sector SPDR Fund	-28.66%	6.90%	-7.65%	-8.55%	31.08

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IYK	iShares U.S. Consumer Staples ETF	-0.35%
XLP	Consumer Staples Select Sector SPDR Fund	-0.49%
VDC	Vanguard Consumer Staples ETF	-0.61%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	-0.65%
PJP	Invesco Dynamic Pharmaceuticals ETF	-0.69%
XLV	Health Care Select Sector SPDR Fund	-0.74%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	-0.74%
MLPA	Global X MLP ETF	-0.88%
PBJ	Invesco Dynamic Food & Beverage ETF	-0.89%
IYH	iShares U.S. Healthcare ETF	-0.90%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
SOXX	iShares Semiconductor ETF	46.51
SOXQ	Invesco PHLX Semiconductor ETF	46.41
FTXL	First Trust Nasdaq Semiconductor ETF	45.88
PSI	Invesco Dynamic Semiconductors ETF	45.35
IYW	iShares U.S. Technology ETF	45.18
XLK	Technology Select Sector SPDR Fund	45.08
XSD	SPDR S&P Semiconductor ETF	44.25
ITB	iShares U.S. Home Construction ETF	44.10
FTEC	Fidelity MSCI Information Technology Index ETF	43.84
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	43.77

Sector & Industry 1 Day Performance Laggards

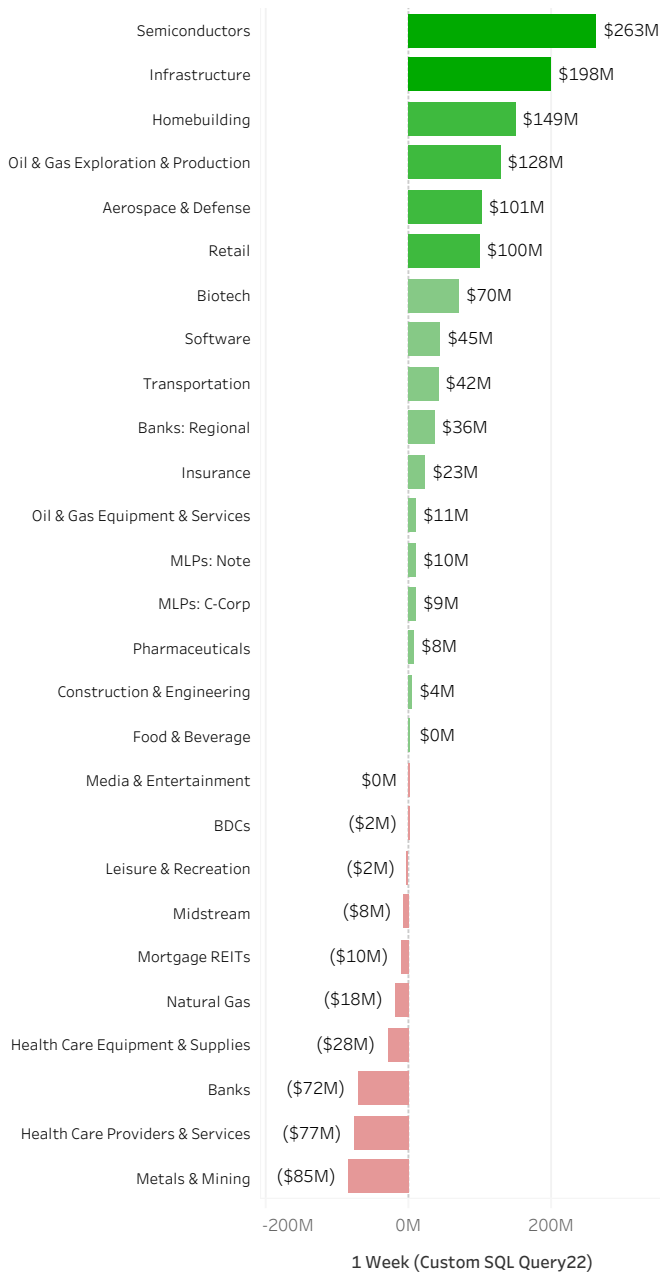
Ticker	Fund	1 Day Performance
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	-5.20%
IAT	iShares U.S. Regional Banks ETF	-5.00%
KBWD	Invesco KBW High Dividend Yield Financial ETF	-4.87%
FXO	First Trust Financials AlphaDEX Fund	-4.84%
KCE	SPDR S&P Capital Markets ETF	-4.70%
BIZD	VanEck BDC Income ETF	-4.61%
KRE	SPDR S&P Regional Banking ETF	-4.39%
REM	iShares Mortgage Real Estate ETF	-4.38%
REZ	iShares Residential and Multisector Real Estate ETF	-4.26%
KBE	SPDR S&P Bank ETF	-4.17%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IAT	iShares U.S. Regional Banks ETF	15.04
KRE	SPDR S&P Regional Banking ETF	16.06
KBE	SPDR S&P Bank ETF	17.55
FXO	First Trust Financials AlphaDEX Fund	17.64
KBWB	Invesco KBW Bank ETF	17.79
RYF	Invesco S&P 500 Equal Weight Financials ETF	17.96
FTXO	First Trust Nasdaq Bank ETF	18.75
KBWR	Invesco KBW Regional Banking ETF	19.29
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	19.46
QABA	First Trust NASDAQ ABA Community Bank Index Fund	19.85

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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	7	\$12B	\$29M	(\$175M)	(\$156M)	(\$796M)
Consumer Discretionary	12	\$20B	\$56M	(\$336M)	(\$866M)	(\$3,313M)
Consumer Staples	10	\$28B	\$93M	(\$484M)	\$580M	\$4,223M
Energy	32	\$76B	\$52M	(\$1,413M)	(\$330M)	(\$7,495M)
Financials	26	\$57B	(\$434M)	\$257M	(\$1,270M)	(\$13,049M)
Health Care	23	\$87B	(\$229M)	(\$3,177M)	(\$681M)	\$6,161M
Industrial	13	\$33B	\$129M	\$1,670M	\$2,172M	(\$664M)
Materials	9	\$15B	(\$34M)	\$856M	\$470M	(\$1,484M)
Multi-Sector	19	\$14B	\$294M	(\$150M)	(\$664M)	(\$4,439M)
Real Estate	25	\$57B	(\$262M)	(\$1,809M)	(\$2,028M)	(\$5,302M)
Technology	23	\$121B	\$39M	(\$2,082M)	(\$36M)	\$468M
Utilities	9	\$24B	\$173M	(\$723M)	(\$1,322M)	\$3,618M

U.S. Sector & Industry Flow Leaders

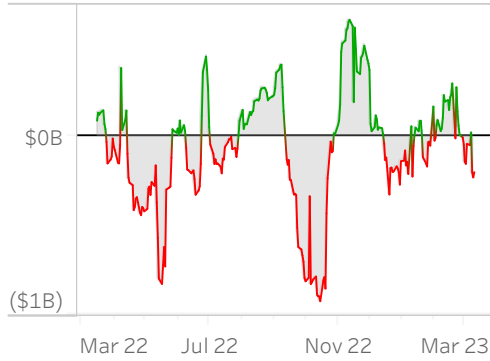
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	\$248M	\$247M	\$60M	(\$469M)	\$7,160M
XLU	Utilities Select Sector SPDR Fund	\$228M	(\$744M)	(\$1,069M)	\$2,390M	\$14,556M
ITB	iShares U.S. Home Construction ETF	\$196M	\$73M	\$12M	(\$563M)	\$1,508M
PAVE	Global X U.S. Infrastructure Development ETF	\$195M	\$282M	(\$23M)	(\$885M)	\$4,139M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$146M	(\$449M)	(\$366M)	(\$2,415M)	\$3,750M
XLP	Consumer Staples Select Sector SPDR Fund	\$103M	(\$633M)	\$320M	\$1,320M	\$16,192M
XRT	SPDR S&P Retail ETF	\$100M	\$117M	\$88M	\$55M	\$406M
IBB	iShares Biotechnology ETF	\$90M	(\$417M)	(\$87M)	(\$97M)	\$7,862M
EWCO	Invesco S&P 500 Equal Weight Communication ..	\$66M	\$80M	\$86M	\$79M	\$115M
ITA	iShares U.S. Aerospace & Defense ETF	\$59M	\$1,121M	\$1,482M	\$2,286M	\$5,752M

U.S. Sector & Industry Flow Laggards

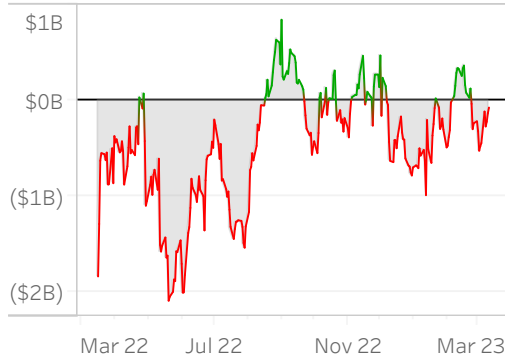
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$431M)	(\$200M)	(\$1,486M)	(\$7,836M)	\$30,941M
XLK	Technology Select Sector SPDR Fund	(\$260M)	(\$2,169M)	(\$1,674M)	(\$356M)	\$40,002M
FREL	Fidelity MSCI Real Estate Index ETF	(\$160M)	(\$218M)	(\$261M)	(\$329M)	\$1,260M
XLV	Health Care Select Sector SPDR Fund	(\$142M)	(\$1,158M)	\$192M	\$5,218M	\$37,653M
XLRE	Real Estate Select Sector SPDR Fund	(\$92M)	(\$241M)	(\$127M)	\$422M	\$4,627M
XME	SPDR S&P Metals & Mining ETF	(\$85M)	\$281M	\$492M	(\$551M)	\$2,488M
IHF	iShares U.S. Healthcare Providers ETF	(\$75M)	(\$234M)	(\$234M)	\$134M	\$1,218M
VNQ	Vanguard Real Estate ETF	(\$67M)	(\$951M)	(\$1,268M)	(\$3,154M)	\$33,328M
FDN	First Trust Dow Jones Internet Index Fund	(\$55M)	(\$396M)	(\$288M)	(\$1,681M)	\$3,708M
VHT	Vanguard Health Care ETF	(\$52M)	\$60M	\$347M	\$634M	\$16,084M

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

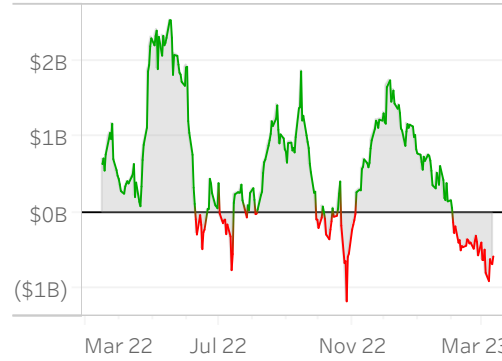
Communication Services



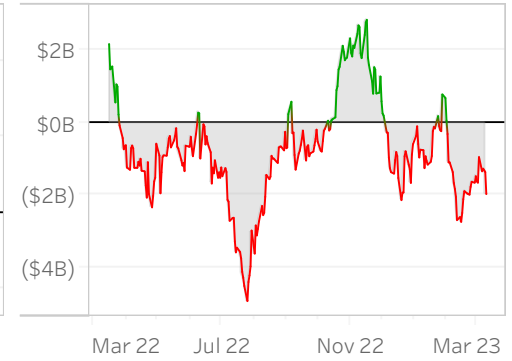
Consumer Discretionary



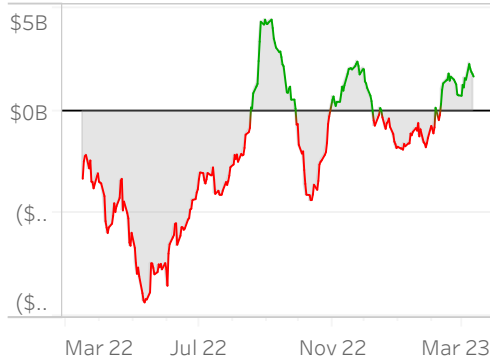
Consumer Staples



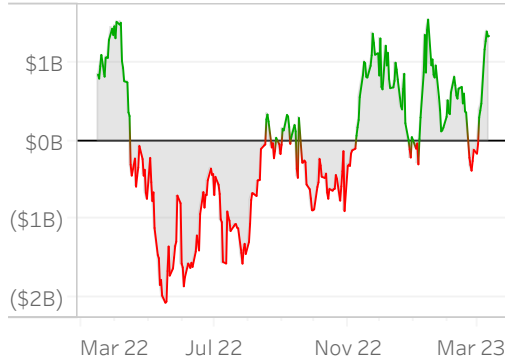
Energy



Financials



Industrial



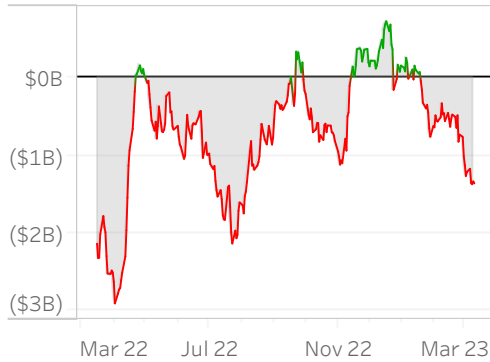
Health Care



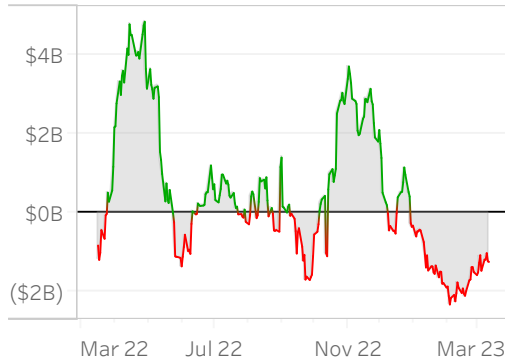
Materials



Real Estate



Technology



Utilities

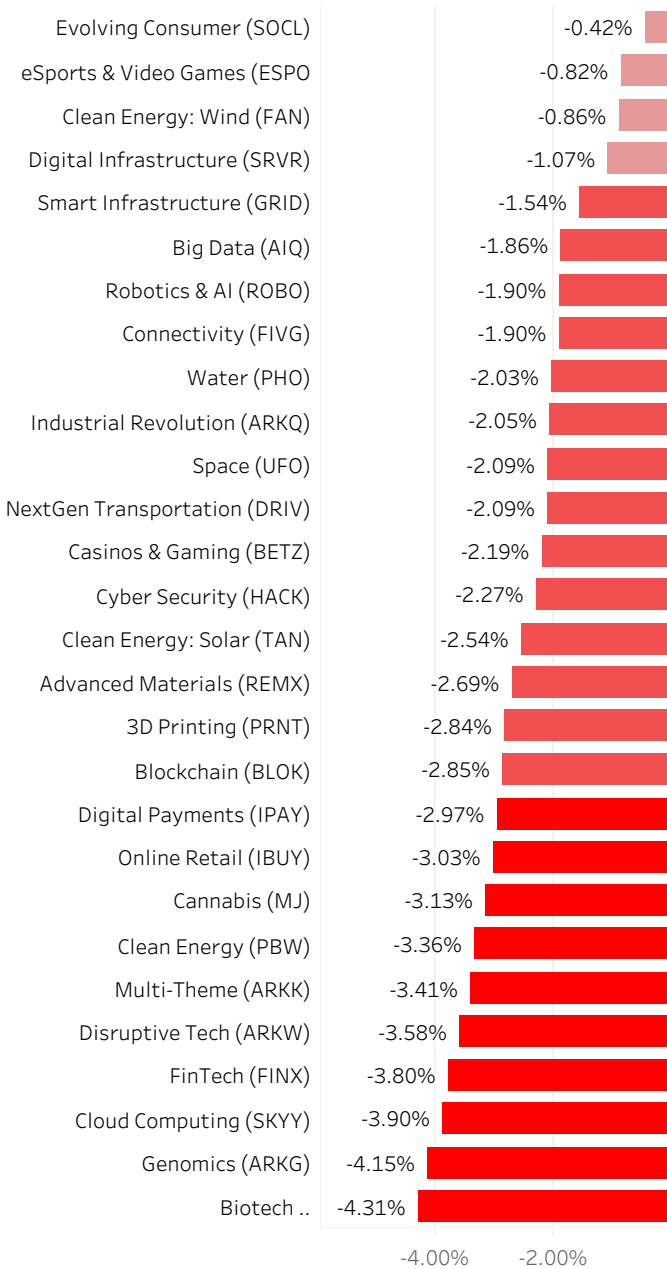


Multi-Sector

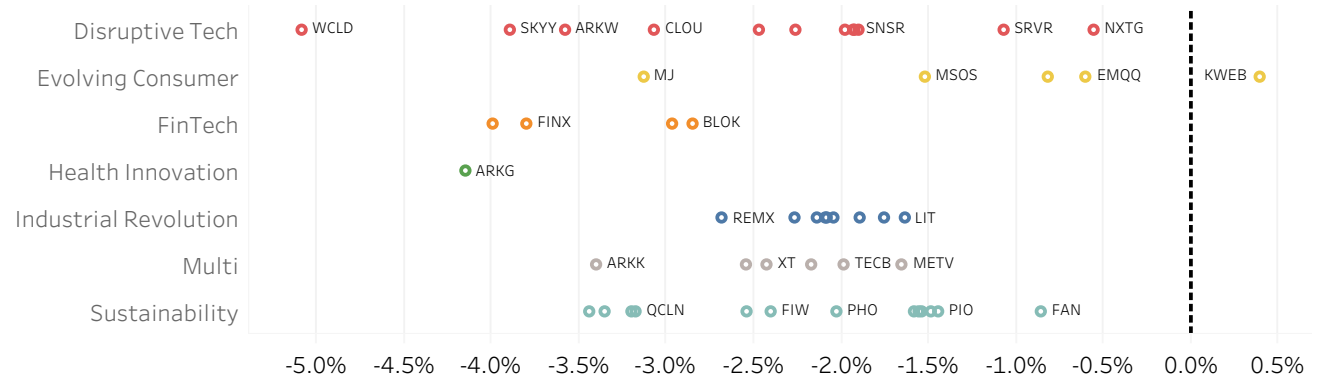


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	0.39%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.29%
SOCL	Global X Social Media ETF	-0.42%
NXTG	First Trust Indxx NextG ETF	-0.56%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	-0.61%
ESPO	VanEck Video Gaming and eSports ETF	-0.82%
FAN	First Trust Global Wind Energy ETF	-0.86%
BJK	VanEck Gaming ETF	-0.92%
GAMR	Wedbush ETFMG Video Game Tech ETF	-0.95%
BATT	Amplify Lithium & Battery Technology ETF	-0.98%

Thematic Most Overbought

Ticker	Fund	Value
NXTG	First Trust Indxx NextG ETF	46.62
BOTZ	Global X Robotics & Artificial Intelligence ETF	45.65
ESPO	VanEck Video Gaming and eSports ETF	45.30
TAN	Invesco Solar ETF	44.11
ROBO	ROBO Global Robotics & Automation Index ETF	43.56
CTEC	Global X CleanTech ETF	43.53
METV	Roundhill Ball Metaverse ETF	43.14
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	42.71
SNSR	Global X Internet of Things ETF	42.33
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	42.23

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
WCLD	WisdomTree Cloud Computing Fund	-5.09%
XITK	SPDR FactSet Innovative Technology ETF	-4.42%
SBIO	ALPS Medical Breakthroughs ETF	-4.31%
ARKG	ARK Genomic Revolution ETF	-4.15%
BTEC	Principal Healthcare Innovators ETF	-4.13%
ARKF	ARK Fintech Innovation ETF	-4.00%
SKYY	First Trust Cloud Computing ETF	-3.90%
FINX	Global X FinTech ETF	-3.80%
GNOM	Global X Genomics & Biotechnology ETF	-3.60%
ARKW	ARK Next Generation Internet ETF	-3.58%

Thematic Most Oversold

Ticker	Fund	Value
MJ	ETFMG Alternative Harvest	24.04
SBIO	ALPS Medical Breakthroughs ETF	24.30
IDNA	iShares Genomics Immunology and Healthcare ETF	25.78
SAMT	Strategas Macro Thematic Opportunities ETF	25.79
AGNG	Global X Aging Population ETF	26.72
PAWZ	ProShares Pet Care ETF	28.16
RNRG	Global X Renewable Energy Producers ETF	28.21
ONLN	ProShares Online Retail ETF	30.05
GDOC	Goldman Sachs Future Health Care Equity ETF	30.10
BTEC	Principal Healthcare Innovators ETF	30.45

* 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
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$79M
ARKG	ARK Genomic Revolution ETF	\$38M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$29M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$10M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$8M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$3M
ROBO	ROBO Global Robotics & Automation Index ETF	\$3M
TIME	Clockwise Capital Innovation ETF	\$3M
ARKW	ARK Next Generation Internet ETF	\$3M

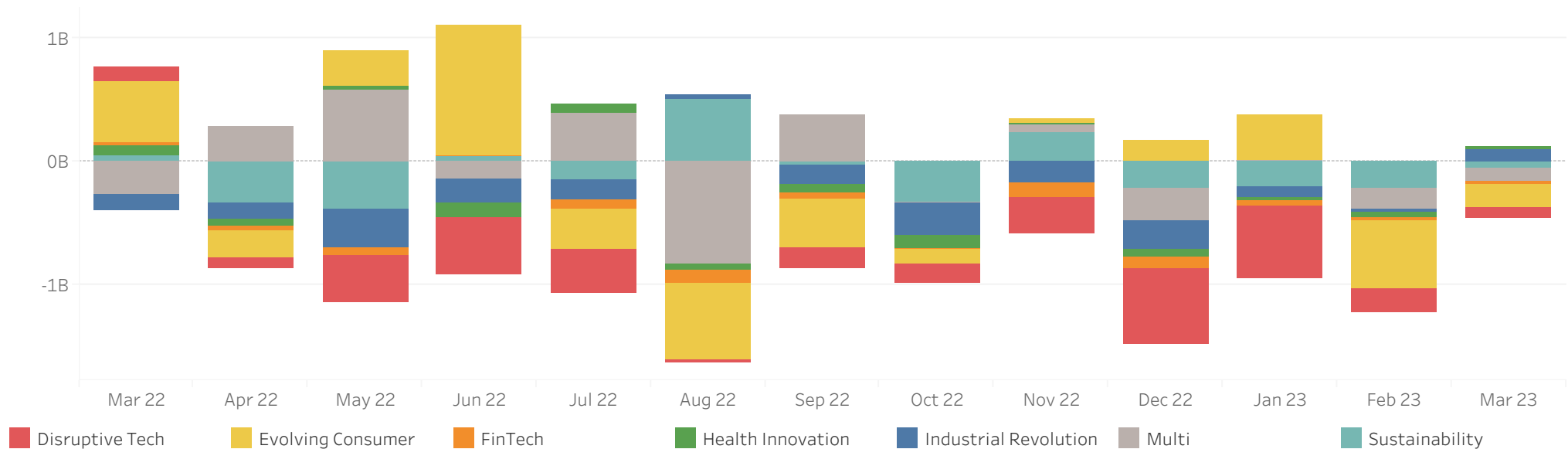
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$135M)
KWEB	KraneShares CSI China Internet ETF	(\$111M)
ICLN	iShares Global Clean Energy ETF	(\$18M)
PBW	Invesco WilderHill Clean Energy ETF	(\$14M)
SNSR	Global X Internet of Things ETF	(\$13M)
SKYY	First Trust Cloud Computing ETF	(\$10M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$7M)
NXTG	First Trust Indxx NextG ETF	(\$7M)
ARKF	ARK Fintech Innovation ETF	(\$6M)
IHAK	iShares Cybersecurity & Tech ETF	(\$5M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$31M)	(\$1,226M)	(\$2,037M)	(\$3,257M)
Evolving Consumer	46	\$9B	(\$88M)	(\$580M)	(\$662M)	(\$37M)
FinTech	19	\$2B	(\$6M)	(\$143M)	(\$344M)	(\$597M)
Health Innovation	19	\$3B	\$34M	(\$61M)	(\$261M)	(\$338M)
Industrial Revolution	31	\$11B	\$92M	(\$195M)	(\$780M)	(\$1,732M)
Multi	41	\$14B	(\$178M)	(\$498M)	(\$295M)	(\$62M)
Sustainability	40	\$17B	(\$12M)	(\$667M)	(\$785M)	(\$1,049M)
Grand Total	230	\$71B	(\$189M)	(\$3,368M)	(\$5,164M)	(\$7,071M)

Thematic Monthly Flows

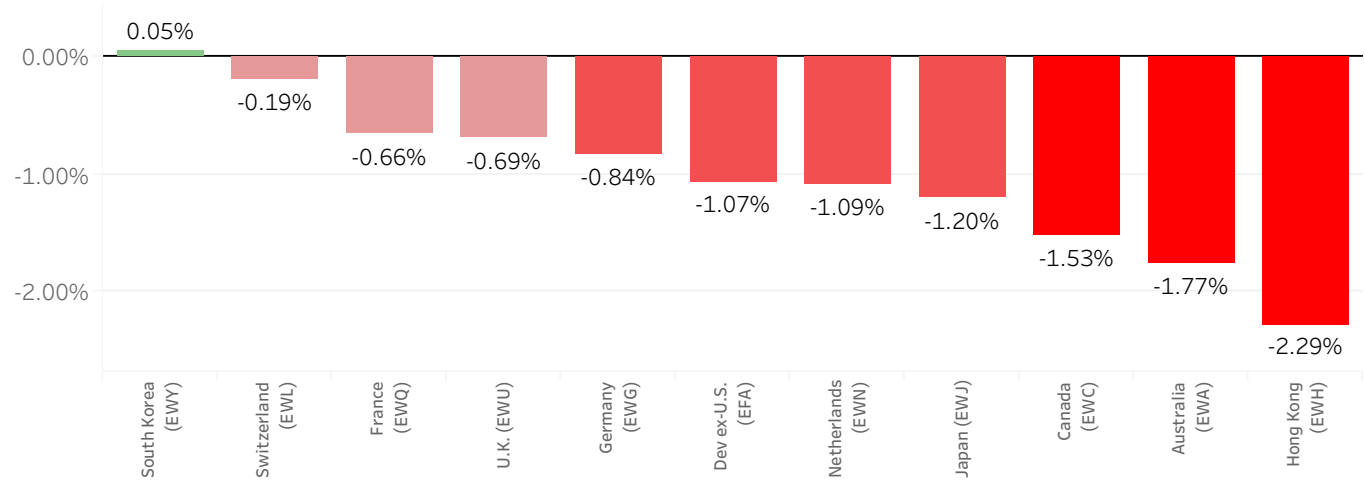


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

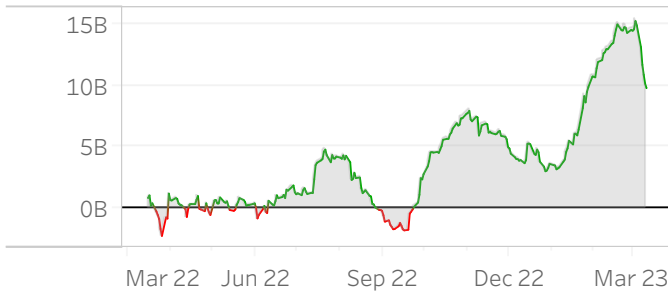
Developed ex-U.S. (EFA)



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



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



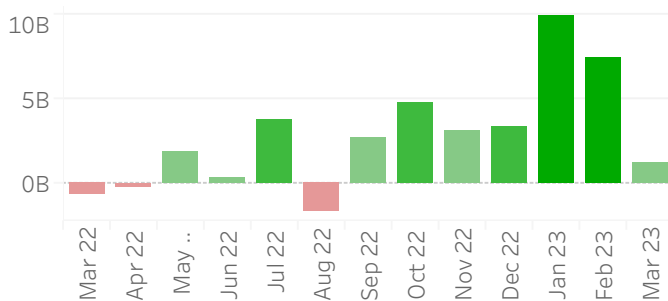
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	0.21%
EWY	iShares MSCI South Korea ETF	0.05%
FLKR	Franklin FTSE South Korea ETF	-0.10%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.10%
EWL	iShares MSCI Switzerland ETF	-0.19%
IMFL	Invesco International Developed Dynamic Multifactor ETF	-0.27%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-0.34%
IQDG	WisdomTree International Quality Dividend Growth Fund	-0.41%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.43%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.45%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	59.62
SCJ	iShares MSCI Japan Small-Cap ETF	56.02
DXJ	WisdomTree Japan Hedged Equity Fund	54.79
FJP	First Trust Japan AlphaDEX Fund	53.99
EIRL	iShares MSCI Ireland ETF	51.88
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	50.73
EWJV	iShares MSCI Japan Value ETF	49.61
HEWJ	iShares Currency Hedged MSCI Japan ETF	49.26
FLJP	Franklin FTSE Japan ETF	49.23
JPXN	iShares JPX-Nikkei 400 ETF	49.15

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-2.29%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-2.21%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-2.12%
DXJ	WisdomTree Japan Hedged Equity Fund	-2.10%
EWD	iShares MSCI Sweden ETF	-2.05%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-1.86%
EPP	iShares MSCI Pacific ex-Japan ETF	-1.81%
EWA	iShares MSCI Australia ETF	-1.77%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-1.66%
FLCA	Franklin FTSE Canada ETF	-1.65%

Developed ex-U.S. Most Oversold

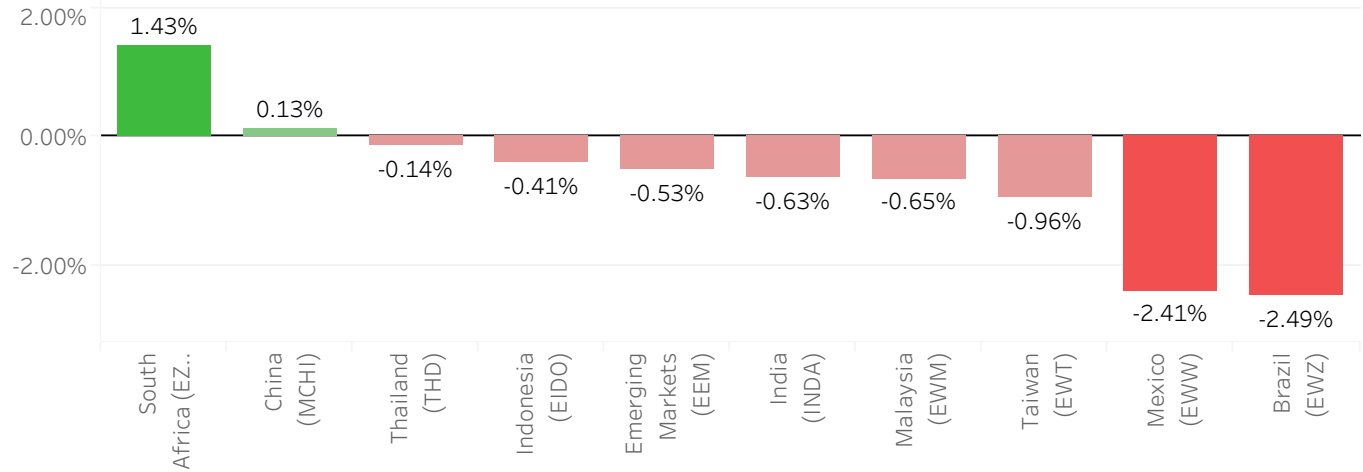
Ticker	Fund	Value
FLCA	Franklin FTSE Canada ETF	27.85
EWS	iShares MSCI Singapore ETF	28.40
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	28.87
BBCA	JPMorgan BetaBuilders Canada ETF	29.44
EWC	iShares MSCI Canada ETF	29.74
EPP	iShares MSCI Pacific ex-Japan ETF	30.07
EWA	iShares MSCI Australia ETF	31.38
EWH	iShares MSCI Hong Kong ETF	31.85
AIA	iShares Asia 50 ETF	32.28
ENZL	iShares MSCI New Zealand ETF	32.54

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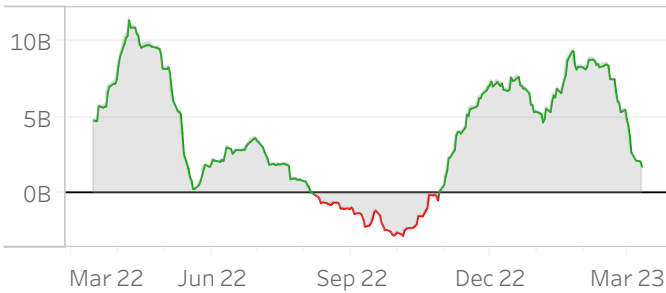
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



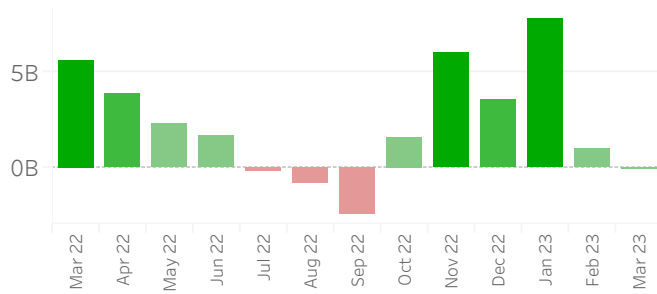
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EZA	iShares MSCI South Africa ETF	1.43%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	0.79%
CNYA	iShares MSCI China A ETF	0.31%
FLCH	Franklin FTSE China ETF	0.22%
RAYC	Rayliant Quantamental China Equity ETF	0.19%
GXC	SPDR S&P China ETF	0.17%
MCHI	iShares MSCI China ETF	0.13%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.10%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.03%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	-0.06%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	58.91
ECH	iShares MSCI Chile ETF	51.38
QAT	iShares MSCI Qatar ETF	51.21
KSA	iShares MSCI Saudi Arabia ETF	48.53
SMIN	iShares MSCI India Small Cap ETF	47.99
FEM	First Trust Emerging Markets AlphaDEX Fund	47.91
KWT	iShares MSCI Kuwait ETF	47.48
GLIN	VanEck India Growth Leaders ETF	47.07
EPI	WisdomTree India Earnings Fund	46.81
EDIV	SPDR S&P Emerging Markets Dividend ETF	45.80

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.57%
EWZ	iShares MSCI Brazil ETF	-2.49%
EWW	iShares MSCI Mexico ETF	-2.41%
ILF	iShares Latin America 40 ETF	-2.41%
FLBR	Franklin FTSE Brazil ETF	-2.40%
FLLA	Franklin FTSE Latin America ETF	-2.05%
FLN	First Trust Latin America AlphaDEX Fund	-1.59%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-1.36%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	-1.30%
SMIN	iShares MSCI India Small Cap ETF	-1.07%

Emerging Most Oversold

Ticker	Fund	Price
EWM	iShares MSCI Malaysia ETF	21.39
THD	iShares MSCI Thailand ETF	28.75
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	30.46
ECNS	iShares MSCI China Small-Cap ETF	30.83
EIDO	iShares MSCI Indonesia ETF	31.07
BKF	iShares MSCI BIC ETF	31.88
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	32.39
ESGE	iShares ESG Aware MSCI EM ETF	32.79
FXI	iShares China Large-Cap ETF	33.09
FLCH	Franklin FTSE China ETF	33.16

* 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	1.17%	-0.09%	1.63%
SHY	1-3 Year Treasury Bonds	0.54%	0.16%	0.44%
IEF	7-10 Year Treasury Bonds	1.84%	0.59%	2.05%
TLT	20+ Year Treasury Bonds	3.45%	2.38%	6.59%
TIP	TIPS Bonds	1.47%	0.38%	1.55%
FLOT	Floating Rate Bonds	-0.02%	0.56%	1.55%
LQD	Investment Grade Corporate	1.43%	-0.52%	1.99%
HYG	High Yield Corporate	0.01%	-1.19%	0.83%
BKLN	Senior Loan	-0.10%	-0.56%	3.09%
PFF	Preferred & Income Securities	-1.69%	-4.66%	3.28%
MUB	Municipal Bonds	0.52%	-0.70%	1.04%
MBB	MBS	0.81%	-0.83%	1.02%
EMB	Dollar Denominated EM Bonds	0.94%	-0.56%	1.29%
LEMB	Local Currency EM Bond	0.57%	-0.65%	1.33%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.71%	-4.30%	-7.59%
DBE	Energy	1.39%	-2.72%	-6.79%
USO	WTI Crude Oil	1.36%	-3.91%	-4.24%
BNO	Brent Crude Oil	1.37%	-3.89%	-3.08%
UNG	Natural Gas	-2.43%	-8.53%	-42.98%
UGA	Gasoline	1.52%	-2.41%	-1.78%
DBP	Precious Metals	2.01%	-1.03%	-1.28%
GLD	Gold	2.16%	0.29%	2.49%
SLV	Silver	2.28%	-6.82%	-14.35%
PPLT	abrdn Physical Platin..	1.38%	1.35%	-10.56%
PALL	abrdn Physical Palla..	-0.57%	-10.18%	-22.54%
DBB	Base Metals	-0.30%	-3.10%	1.39%
CPER	Copper	-0.33%	-0.08%	5.67%
LD	Lead	-0.47%	-0.73%	-10.51%
JJN	Nickel	-1.52%	-17.88%	-23.74%
JJU	Aluminum	-0.31%	-6.08%	-4.24%
JJT	Tin	-2.49%	-17.04%	-9.25%
DBA	Agriculture	0.40%	-0.74%	-0.60%
CORN	Corn	0.90%	-7.80%	-8.73%
SOYB	Soybeans	-0.60%	-1.60%	-2.26%
WEAT	Wheat	2.06%	-13.38%	-13.16%
CANE	Sugar	0.28%	6.03%	13.87%
BAL	Cotton	-4.61%	-8.19%	-5.77%
NIB	Cocoa	-1.07%	3.64%	3.77%
JO	Coffee	1.09%	1.52%	6.61%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.63%	1.32%	1.94%
UDN	Short Dollar	0.60%	-0.86%	-0.76%
FXE	Euro	0.55%	-0.32%	-0.51%
FXB	British Pound Sterling	0.77%	-0.06%	-0.01%
FXF	Swiss Franc	1.33%	0.18%	0.19%
FXJ	Japanese Yen	0.93%	-2.54%	-2.81%
FXC	Canadian Dollar	0.08%	-3.27%	-1.65%
FXA	Australian Dollar	-0.32%	-5.03%	-3.39%

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