U.S. Size & Style Performance

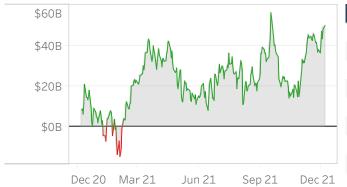




^{*}ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify



Large-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	24	\$1,340B	\$8.43B	\$45.30B	\$94.66B	\$123.97B
Large Cap, Beta Growth, Beta: Growth	10	\$268B	\$1.20B	\$2.43B	\$11.31B	\$7.18B
Mid Cap, Beta, Beta	10	\$189B	\$0.85B	\$4.84B	\$5.01B	\$10.49B
Mid Cap, Beta, Beta: Growth	6	\$40B	\$0.17B	\$1.16B	\$1.22B	(\$1.42B)
Small Cap, Beta, Beta: Growth	7	\$37B	\$0.11B	\$0.32B	\$0.56B	\$1.09B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.02B	\$0.60B	(\$0.35B)	\$3.73B
Small Cap, Beta, Beta: Value	7	\$56B	(\$0.22B)	\$0.64B	(\$0.43B)	\$6.95B
Large Cap, Beta Growth, Beta: Value	11	\$205B	(\$0.29B)	\$5.66B	\$7.63B	\$30.55B
Small Cap, Beta, Beta	12	\$217B	(\$1.05B)	\$7.42B	\$10.38B	\$23.74B

Mid-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
voo	Vanguard S&P 500 ETF	\$3.08B	\$14.38B	\$27.33B	\$53.52B	\$271.61B
IVV	iShares Core S&P 500 ETF	\$2.90B	\$12.12B	\$16.91B	\$24.07B	\$319.18B
VTI	Vanguard Total Stock Market ETF	\$1.81B	\$12.70B	\$23.95B	\$45.41B	\$283.26B
QQQ	Invesco QQQ Trust	\$1.48B	\$6.22B	\$18.88B	\$16.73B	\$202.77B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$1.32B	\$1.55B	\$1.65B	\$1.72B	\$3.23B
VO	Vanguard Mid-Cap ETF	\$0.55B	\$2.72B	\$4.05B	\$5.76B	\$54.88B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.40B	\$1.10B	\$3.25B	\$3.52B	\$15.65B
IWD	iShares Russell 1000 Value ETF	\$0.35B	\$1.70B	\$1.93B	\$5.22B	\$56.06B
VYM	Vanguard High Dividend Yield Index ETF	\$0.27B	\$1.05B	\$1.86B	\$3.61B	\$39.99B
SPY	SPDR S&P 500 ETF Trust	\$0.27B	\$7.90B	\$22.77B	\$14.72B	\$412.09B

Small-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QUAL	iShares MSCI USA Quality Factor ETF	(\$3.18B)	(\$1.07B)	\$1.79B	(\$1.74B)	\$24.27B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$1.52B)	\$0.37B	(\$0.47B)	(\$8.62B)	\$28.75B
IWM	iShares Russell 2000 ETF	(\$1.17B)	\$2.06B	\$3.18B	\$5.64B	\$66.44B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$1.06B)	\$0.67B	\$0.11B	\$0.77B	\$15.37B
VLUE	iShares MSCI USA Value Factor ETF	(\$1.03B)	(\$0.86B)	(\$0.60B)	\$4.35B	\$15.29B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.99B)	\$1.71B	\$5.11B	\$8.09B	\$24.02B
VTV	Vanguard Value ETF	(\$0.75B)	\$2.60B	\$4.55B	\$14.91B	\$87.13B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.30B)	(\$1.06B)	(\$1.91B)	(\$0.40B)	\$28.87B
PWV	Invesco Dynamic Large Cap Value ETF	(\$0.24B)	\$0.00B	\$0.00B	(\$0.05B)	\$0.77B
PWB	Invesco Dynamic Large Cap Growth ETF	(\$0.21B)	(\$0.04B)	(\$0.02B)	(\$0.09B)	\$0.79B

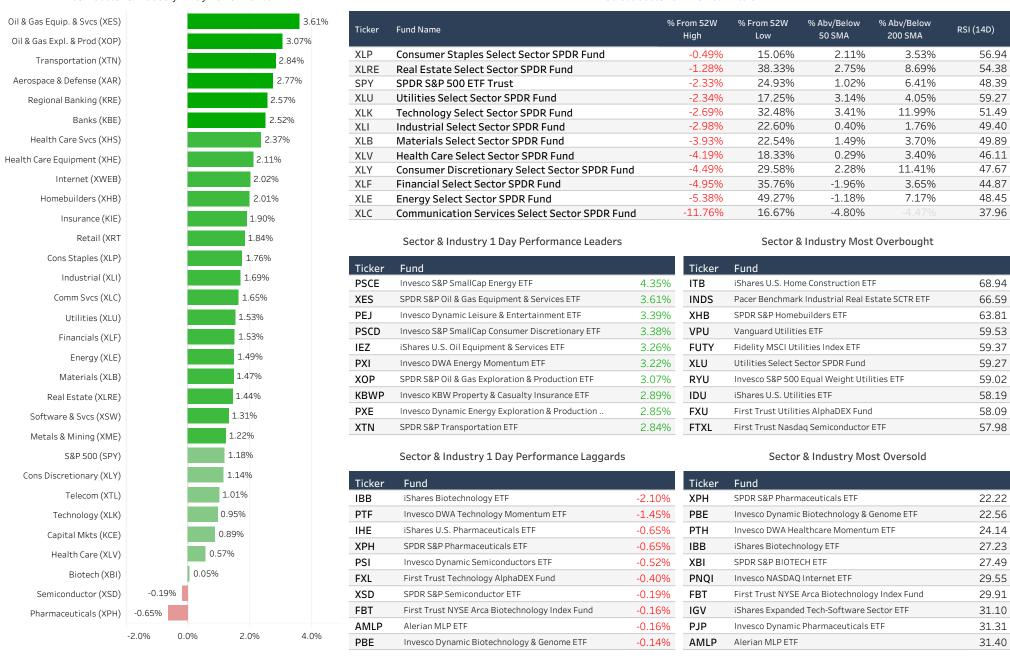
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U.S. Sectors & Industries Performance



S&P Sector & Industry 1 Day Performance

Select Sector SPDRs Technicals



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U.S. Sector & Industry 1-Week Flows

Oil & Gas Exploration & Production \$188M Biotech \$52M Homebuilding \$22M \$18M Infrastructure \$10M MLPs (Note) \$5M BDCs \$4M Insurance \$2M Pharmaceuticals (\$1M) Natural Gas (\$3M) Health Care Equipment & Supplies (\$4M) Oil & Gas Equipment & Services (\$4M) Health Care Providers & Services (\$4M) Midstream (\$8M) Retail (\$9M) Software (\$11M) Media & Entertainment (\$16M) Food & Beverage Aerospace & Defense (\$22M) (\$22M) MLPs (C-Corp) Leisure & Recreation (\$27M) (\$38M) Banks (\$38M) Construction & Engineering (\$43M) Mortgage REITs (\$69M) Banks: Regional (\$70M) Metals & Mining (\$84M) Transportation (\$177M) Semiconductors -200M OM 200M

1 Week (Custom SQL Query22)

U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$19B	(\$91M)	(\$269M)	\$1,411M	\$1,353M
Consumer Discretionary	13	\$37B	\$225M	\$1,524M	\$950M	\$3,318M
Consumer Staples	12	\$20B	(\$242M)	(\$1,081M)	\$282M	(\$2,651M)
Energy	34	\$52B	\$269M	\$1,311M	(\$1,269M)	\$9,044M
Financials	28	\$79B	(\$1,014M)	(\$39M)	(\$3,744M)	\$19,092M
Health Care	26	\$87B	(\$13M)	(\$146M)	\$5,124M	\$3,177M
Industrial	14	\$34B	(\$137M)	(\$1,776M)	(\$4,996M)	\$472M
Materials	10	\$16B	(\$472M)	(\$686M)	(\$2,904M)	\$3,722M
Multi-Sector	17	\$25B	(\$74M)	\$1,067M	\$1,299M	\$4,066M
Real Estate	22	\$78B	(\$603M)	\$2,420M	\$6,084M	\$12,863M
Technology	24	\$152B	\$220M	\$4,060M	\$7,952M	\$6,201M
Utilities	10	\$21B	\$313M	(\$374M)	\$1,573M	\$415M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$421M	\$940M	\$1,935M	\$612M	\$48,946M
XLU	Utilities Select Sector SPDR Fund	\$284M	(\$575M)	\$1,215M	\$23M	\$12,811M
XOP	SPDR S&P Oil & Gas Exploration & Production E	\$200M	(\$123M)	(\$1,080M)	(\$250M)	\$3,310M
XLY	Consumer Discretionary Select Sector SPDR Fu	\$174M	\$1,782M	\$830M	\$1,130M	\$23,357M
IYZ	iShares U.S. Telecommunications ETF	\$167M	\$202M	\$174M	\$186M	\$610M
XLE	Energy Select Sector SPDR Fund	\$106M	\$361M	(\$469M)	\$5,622M	\$25,631M
IBB	iShares Biotechnology ETF	\$106M	(\$83M)	(\$274M)	(\$636M)	\$9,596M
FXO	First Trust Financials AlphaDEX Fund	\$96M	\$239M	\$192M	\$714M	\$1,608M
REZ	iShares Residential and Multisector Real Estat	\$68M	\$362M	\$507M	\$642M	\$1,223M
XHB	SPDR S&P Homebuilders ETF	\$61M	\$171M	(\$19M)	\$145M	\$2,168M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,020M)	(\$998M)	(\$4,146M)	\$8,747M	\$41,073M
IYR	iShares U.S. Real Estate ETF	(\$471M)	(\$566M)	(\$82M)	\$399M	\$6,293M
XLB	Materials Select Sector SPDR Fund	(\$388M)	(\$287M)	(\$1,898M)	\$1,620M	\$7,720M
XLP	Consumer Staples Select Sector SPDR Fund	(\$264M)	(\$1,259M)	(\$14M)	(\$2,360M)	\$11,754M
XLC	Communication Services Select Sector SPDR Fu	(\$219M)	(\$359M)	\$692M	\$351M	\$13,619M
VNQ	Vanguard Real Estate ETF	(\$193M)	\$1,137M	\$2,415M	\$6,652M	\$45,914M
PSI	Invesco Dynamic Semiconductors ETF	(\$170M)	\$107M	\$144M	\$319M	\$881M
XLV	Health Care Select Sector SPDR Fund	(\$123M)	(\$358M)	\$3,041M	\$3,127M	\$32,029M
XTN	SPDR S&P Transportation ETF	(\$75M)	\$347M	\$149M	\$384M	\$857M
KRE	SPDR S&P Regional Banking ETF	(\$72M)	\$24M	(\$612M)	\$2,145M	\$4,820M

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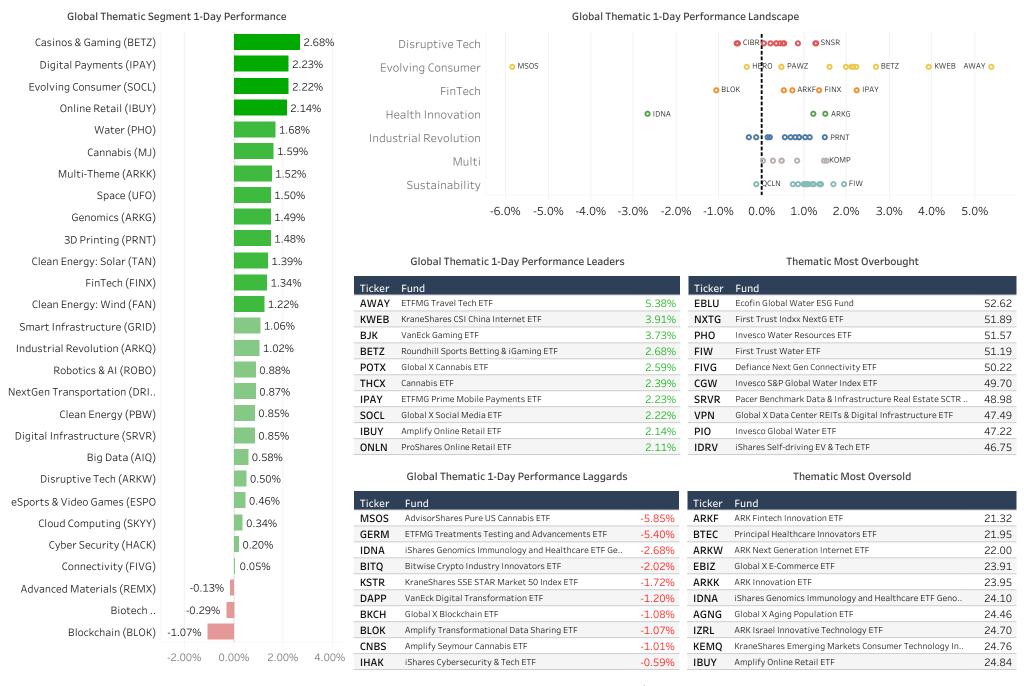




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Global Thematic Performance





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Global Thematic Flows



Ticker Fund

BLOK

META

PBW

KOMP

Thematic 1 Week Flow Leaders

Fund	
Global X Lithium & Battery Tech ETF	\$86M
Amplify Transformational Data Sharing ETF	\$65M
Roundhill Ball Metaverse ETF	\$54M
First Trust NASDAQ Cybersecurity ETF	\$46M
Invesco WilderHill Clean Energy ETF	\$33M
Tuttle Capital Short Innovation ETF	\$29M
KraneShares CSI China Internet ETF	\$24M
Global X Autonomous & Electric Vehicles ETF	\$23M

Thematic 1 Week Flow Laggards

SPDR S&P Kensho New Economies Composite ETF

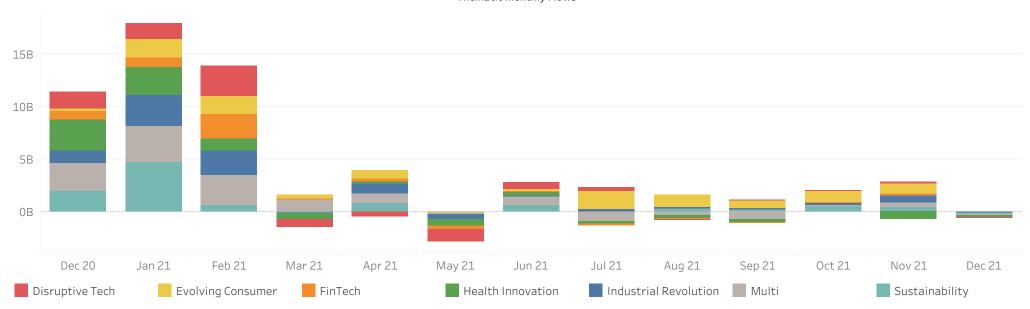
First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$194M)
ARKG	ARK Genomic Revolution ETF	(\$144M)
TAN	Invesco Solar ETF	(\$118M)
ARKW	ARK Next Generation Internet ETF	(\$91M)
ICLN	iShares Global Clean Energy ETF	(\$83M)
ARKF	ARK Fintech Innovation ETF	(\$79M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$59M)
EDOC	Global X Telemedicine & Digital Health ETF	(\$29M)
ERTH	Invesco MSCI Sustainable Future ETF	(\$28M)
AWAY	ETFMG Travel Tech ETF	(\$21M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$27B	(\$50M)	\$163M	\$1,184M	\$4,885M
Evolving Consumer	43	\$16B	(\$11M)	\$2,024M	\$5,913M	\$10,766M
FinTech	16	\$7B	(\$34M)	\$59M	(\$39M)	\$4,110M
Health Innovation	16	\$7B	(\$144M)	(\$1,093M)	(\$1,231M)	\$4,622M
Industrial Revolution	24	\$18B	\$49M	\$862M	\$1,390M	\$8,088M
Multi	28	\$25B	(\$170M)	(\$108M)	(\$323M)	\$10,161M
Sustainability	36	\$23B	(\$156M)	\$1,103M	\$2,123M	\$10,313M
Grand Total	200	\$124B	(\$517M)	\$3,011M	\$9,017M	\$52,945M

Thematic Monthly Flows



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\$21M \$20M







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

15B 10B 5B 0B Dec 20 Mar 21 Jun 21 Sep 21 Dec 21

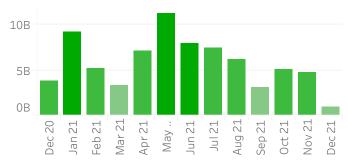
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	
EIRL	iShares MSCI Ireland ETF	2.85%
EWP	iShares MSCI Spain ETF	2.27%
EWI	iShares MSCI Italy ETF	2.15%
EWD	iShares MSCI Sweden ETF	2.09%
AIA	iShares Asia 50 ETF	1.99%
EWC	iShares MSCI Canada ETF	1.88%
BBCA	JPMorgan BetaBuilders Canada ETF	1.84%
FLGB	Franklin FTSE United Kingdom ETF	1.68%
EWS	iShares MSCI Singapore ETF	1.63%
LVHI	Legg Mason International Low Volatility High Dividend ETF	1.60%

Developed ex-U.S. Most Overbought

53.98 53.39
53.39
52.79
51.29
47.46
47.21
46.99
46.91
46.83
46.41

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.47%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.24%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.08%
EDEN	iShares MSCI Denmark ETF	0.03%
BBJP	JPMorgan BetaBuilders Japan ETF	0.05%
EWJ	iShares MSCI Japan ETF	0.06%
RFDI	First Trust Riverfront Dynamic Developed International E	0.10%
JPXN	iShares JPX-Nikkei 400 ETF	0.15%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.18%
IPAC	iShares Core MSCI Pacific ETF	0.19%

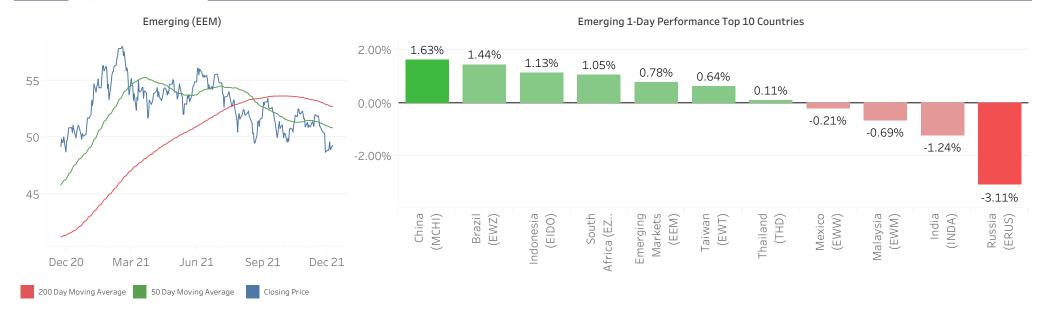
Developed ex-U.S. Most Oversold

Fund	
iShares MSCI Denmark ETF	25.60
First Trust Germany AlphaDEX Fund	28.00
iShares MSCI Netherlands ETF	29.16
iShares MSCI Singapore ETF	31.10
iShares MSCI EAFE Small-Cap ETF	31.22
iShares MSCI Europe Small-Cap ETF	31.50
iShares MSCI Norway ETF	32.57
SPDR S&P International Small Cap ETF	32.64
Invesco DWA Developed Markets Momentum ETF	32.89
Invesco FTSE RAFI Developed Markets ex-US Small	33.48
	iShares MSCI Denmark ETF First Trust Germany AlphaDEX Fund iShares MSCI Netherlands ETF iShares MSCI Singapore ETF iShares MSCI EAFE Small-Cap ETF iShares MSCI Europe Small-Cap ETF iShares MSCI Norway ETF SPDR S&P International Small Cap ETF Invesco DWA Developed Markets Momentum ETF

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Emerging Markets Performance



Emerging 30-Day Rolling Flows



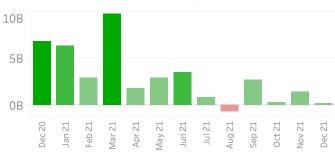
Emerging 1-Day Performance Leaders

Ticker	Fund	
PGJ	Invesco Golden Dragon China ETF	3.16%
FLCH	Franklin FTSE China ETF	2.04%
FXI	iShares China Large-Cap ETF	1.89%
GXC	SPDR S&P China ETF	1.88%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	1.82%
KSA	iShares MSCI Saudi Arabia ETF	1.67%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.64%
MCHI	iShares MSCI China ETF	1.63%
EPU	iShares MSCI Peru ETF	1.51%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.49%

Emerging Most Overbought

	Ticker	Fund	
%	КВА	KraneShares Bosera MSCI China A Share ETF	59.82
%	EWT	iShares MSCI Taiwan ETF	59.47
%	ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	59.16
%	CNYA	iShares MSCI China A ETF	58.87
%	DEM	WisdomTree Emerging Markets High Dividend Fund	52.44
%	EWZ	iShares MSCI Brazil ETF	51.86
%	EDIV	SPDR S&P Emerging Markets Dividend ETF	50.29
%	FLBR	Franklin FTSE Brazil ETF	50.24
%	PIE	Invesco DWA Emerging Markets Momentum ETF	49.76
%	EZA	iShares MSCI South Africa ETF	49.55

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	
ERUS	iShares MSCI Russia ETF	-3.11%
RSX	VanEck Russia ETF	-2.58%
PIN	Invesco India ETF	-1.62%
INDA	iShares MSCI India ETF	-1.24%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-1.23%
GLIN	VanEck India Growth Leaders ETF	-1.17%
INDY	iShares India 50 ETF	-1.07%
EPI	WisdomTree India Earnings Fund	-1.05%
ECNS	iShares MSCI China Small-Cap ETF	-0.97%
EWM	iShares MSCI Malaysia ETF	-0.69%

Emerging Most Oversold

Ticker	Fund	
FNI	First Trust Chindia ETF	25.22
THD	iShares MSCI Thailand ETF	28.06
FM	iShares MSCI Frontier and Select EM ETF	28.55
PGJ	Invesco Golden Dragon China ETF	28.76
ECNS	iShares MSCI China Small-Cap ETF	31.77
BKF	iShares MSCI BRIC ETF	31.87
EWM	iShares MSCI Malaysia ETF	32.11
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	32.34
INDY	iShares India 50 ETF	34.18
MCHI	iShares MSCI China ETF	34.29

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Fixed Income, Commodities & Currencies





Eivod	Incomo	Performance
FIXEG	111001110	Periormance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.35%	-0.34%	-1.36%
SHY	1-3 Year Treasury Bonds	-0.08%	-0.37%	-0.64%
IEF	7-10 Year Treasury Bonds	-0.50%	0.14%	-2.76%
TLT	20+ Year Treasury Bonds	-1.37%	2.09%	-2.11%
TIP	TIPS Bonds	-0.45%	-0.27%	4.97%
FLOT	Floating Rate Bonds	0.02%	-0.15%	0.31%
LQD	Investment Grade Corporate	-0.51%	-0.75%	-1.25%
HYG	High Yield Corporate	0.44%	-0.95%	2.64%
BKLN	Senior Loan	0.18%	-0.78%	1.27%
PFF	Preferred & Income Securities	0.60%	-1.94%	4.32%
MUB	Municipal Bonds	-0.13%	0.15%	0.88%
MBB	MBS	-0.05%	-0.51%	-1.29%
ЕМВ	Dollar Denominated EM Bonds	0.09%	-1.55%	-2.85%
LEMB	Local Currency EM Bond	-0.12%	-4.09%	-10.90%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.25%	-7.87%	26.21%
DBE	Energy	3.80%	-10.85%	48.52%
USO	WTI Crude Oil	5.23%	-10.68%	53.01%
BNO	Brent Crude Oil	5.23%	-10.24%	53.18%
UNG	Natural Gas	-9.60%	-35.77%	30.98%
UGA	Gasoline	5.49%	-9.09%	55.57%
DBP	Precious Metals	-0.30%	-3.42%	-9.87%
GLD	Gold	-0.25%	-2.13%	-6.81%
SLV	Silver	-0.67%	-7.34%	-15.71%
PPLT	Platinum	0.65%	-9.47%	-12.98%
PALL	Palladium	3.23%	-8.88%	-24.80%
DBB	Base Metals	0.29%	0.53%	20.51%
CPER	Copper	1.57%	-0.30%	21.89%
LD	Lead	-0.05%	-7.14%	11.83%
JJN	Nickel	-0.96%	3.02%	18.82%
JJU	Aluminum	-1.11%	1.09%	28.08%
JJT	Tin	-0.87%	4.68%	119.35%
DBA	Agriculture	0.30%	2.75%	22.68%
CORN	Corn	0.19%	3.36%	38.13%
SOYB	Soybeans	-0.18%	3.52%	11.86%
WEAT	Wheat	0.39%	2.79%	25.04%
CANE	Sugar	1.32%	-5.59%	35.11%
BAL	Cotton	2.59%	-5.60%	35.21%
NIB	Cocoa	-0.11%	1.25%	-9.36%
JO	Coffee	2.66%	20.80%	81.80%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.16%	2.10%	6.48%
UDN	Short Dollar	-0.15%	-2.35%	-7.56%
FXE	Euro	-0.29%	-2.58%	-8.57%
FXB	British Pound Sterling	0.17%	-1.77%	-3.43%
FXF	Swiss Franc	-0.80%	-1.51%	-5.40%
FXY	Japanese Yen	-0.70%	-0.23%	-9.57%
FXC	Canadian Dollar	0.58%	-2.58%	-0.69%
FXA	Australian Dollar	0.59%	-4.84%	-8.97%

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Source Data & ETF Issuer Information ..

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