MACRO SHOW

Legal



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VOLATILITY

2

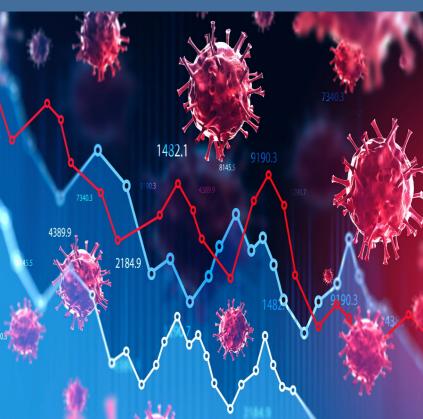
INFLATION



COVID







1 VOLATILITY

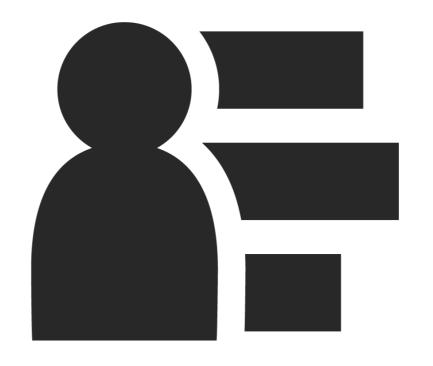
While the market has certainly been acting more volatile, we still view this as episodic and nontrending. The VIX closed the day at 19.00, which was off the lows, but also off the highs of the day. But cross asset volatility collectively currencies, fixed income, and equity - has remained relatively benign. Equity volatility remains bearish TREND in our models.

2 INFLATION

As we've written about, oil is a big component of our inflation nowcast model, so oil deflating somewhat this week due to OPEC is certainly a marginal headwind to inflation. BUT, and this is a big but, oil still has very easy comparisons through year-end. Also, China PPI came in at +8.8% Y/Y, which is important because it is highly correlated to U.S. CPI on a lag. The prices that go into Chinese producers, ultimately are felt by the U.S. consumers. Also important to note, while June decelerated from +9.0% in May, the May China PPI reading was the highest since 2008.

3 COVID

As they say, déjà vu all over again as the Delta variant rears its ugly head again. In the U.S., daily new cases so far remain at a very low level (~20,000 new cases). That said, certainly cases are spiking in the U.K. and we are seeing incremental lockdowns in parts of the world with a lower base of previously infected and a smaller percent of the population vaccinated. Since the start of the pandemic, COVID volatility spikes have ultimately been buying opportunities.



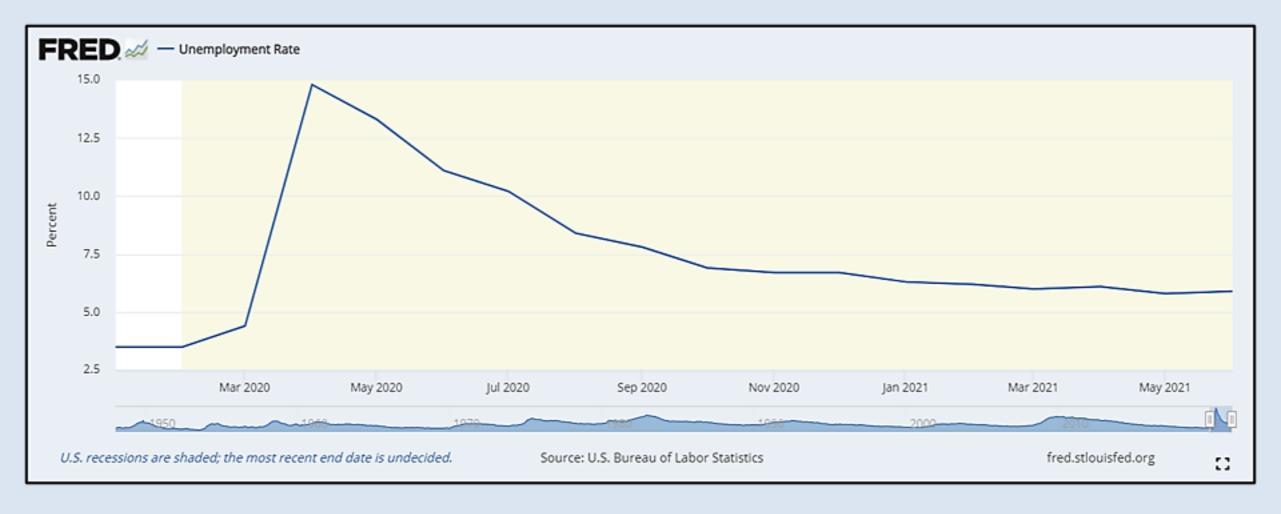
NEIL HOWE DEMOGRAPHY

3 BIG TOPICS OF THE DAY

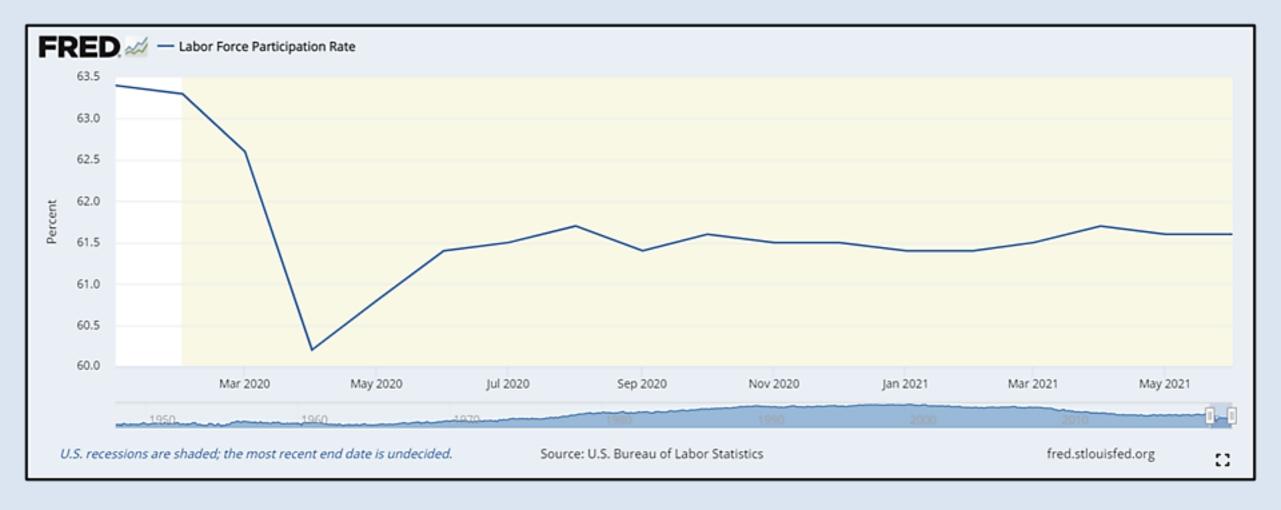
- 1. Is LFP down for good?
- 2. Delta Variant Goes Global

3. What happened to all the European firms?

1) IS LFP DOWN FOR GOOD?



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1) IS LFP DOWN FOR GOOD?

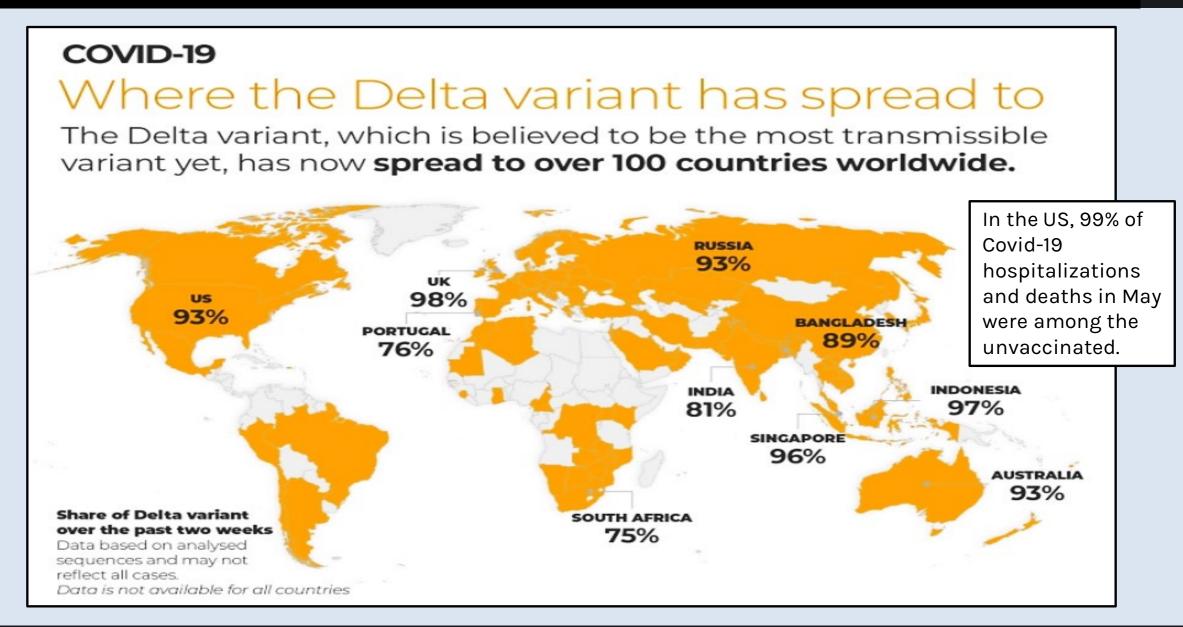
Date	Event
Jun 6-12	June employment data collected throughout the week
June 12	AK**, IA, MS, and MO end federal benefits*
June 19	AL, ID, IN, NH, WV, and WY end federal benefits*
June 26	AR, FL**, GA, OH**, SD, TX, UT end federal benefits*
June 27	OK ends federal benefits*

^{*}Federal benefits: \$300 weekly supplement, Pandemic Unemployment assistance, and Pandemic Emergency Unemployment Compensation

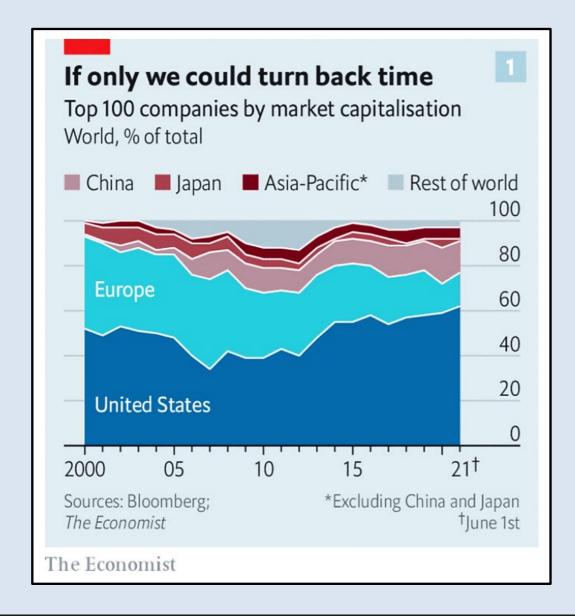
Date	Event*
June 30	SC ends federal benefits*
July 2	June employment data released
July 10	AZ** ends federal benefits*
July 11-17	July employment data collected throughout the week
August 6	July employment data released

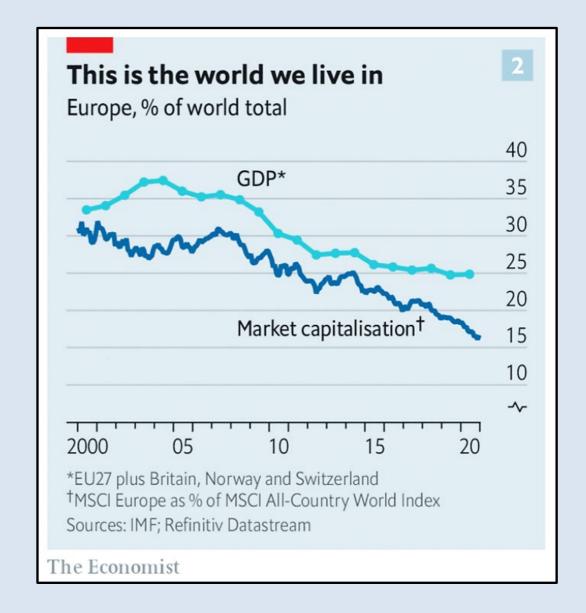
^{**}Only ending \$300 weekly supplement. Other programs will continue.

2) DELTA VARIANT GOES GLOBAL



3) WHAT HAPPENED TO ALL THE EUROPEAN FIRMS?





3) WHAT HAPPENED TO ALL THE EUROPEAN FIRMS?

Top 20 Global Firms by Market Cap, as of noon ET July 6, 2021

Companies	Market Cap (In Billions)	Country
1. Apple	\$ 2,365	USA
2. Microsoft	\$ 2,091	USA
3. Saudi Aramco	\$ 1,866	Saudi Arabia
4. Amazon	\$ 1,830	USA
5. Alphabet	\$ 1,706	USA
6. Facebook	\$ 997	USA
7. Tencent	\$ 688	China
8. Tesla	\$ 636	USA
9. Berkshire Hathaway	\$ 632	USA
10. TSMC	\$620	Taiwan
11. Alibaba	\$ 586	China
12. Visa	\$ 525	USA
13. NVIDIA	\$ 515	USA
14. Samsung	\$ 482	South Korea
15. JPMorgan Chase	\$ 464	USA
16. Johnson & Johnson	\$ 441	USA
17. Walmart	\$ 392	USA
18. Kweichow Moutai	\$ 392	China
19. LVMH	\$ 389	France
20. UnitedHealth	\$384	USA

3) WHAT HAPPENED TO ALL THE EUROPEAN FIRMS?

European Firms in Top 100 Global Firms by Market Cap, as of noon ET July 6, 2021

Companies	Market Cap (In Billions)	Country
19. LVMH	\$389	France
22. Nestle	\$350	Switzerland
27. Roche	\$329	Switzerland
29. ASML	\$286	Netherlands
35. L'Oréal	\$246	France
57. Novo Nordisk	\$194	Denmark
60. Accenture	\$192	Ireland
72. Medtronic	\$169	Ireland
75. SAP	\$168	Denmark
80. AstraZeneca	\$158	United Kingdom
81. Shell	\$157	Netherlands
82. Unilever	\$154	Netherlands
84. Hermes	\$151	France
87. Linde	\$150	United Kingdom
88. Prosus	\$149	Netherlands
91. Volkswagen	\$143	Denmark
92. Dior	\$146	France
99. Anheuser-Busch	\$140	Belgium

MACRO GRIND



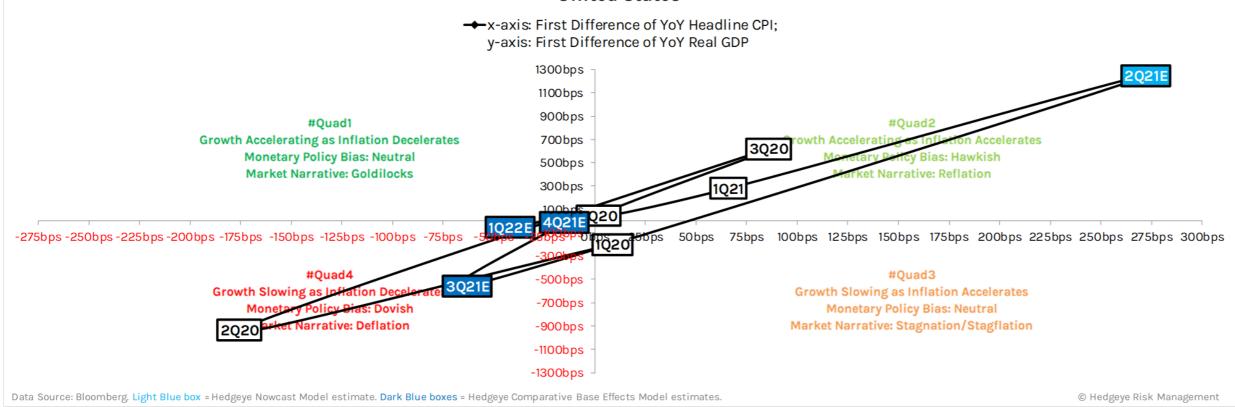
Our Research Process is REPEATABLE

The Macro Show

July 9, 2021

United States	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	\leftarrow Actuals Estimates $ ightarrow$	2Q21E	3Q21E	4Q21E	1Q22E
Real GDP QoQ SAAR	2.70%	2.10%	1.30%	2.90%	1.50%	2.60%	2.40%	-5.00%	-31.40%	33.40%	4.30%	6.40%	Real GDP QoQ SAAR	9.16%	8.58%	3.87%	4.18%
Real GDP YoY	3.33%	3.12%	2.48%	2.27%	1.96%	2.08%	2.34%	0.32%	-9.03%	-2.85%	-2.39%	0.41%	Real GDP YoY	12.85%	7.25%	7.15%	6.60%
2yr Comparative Base Effects	1.80%	1.98%	2.39%	2.57%	2.75%	2.74%	2.59%	2.67%	2.64%	2.60%	2.41%	1.29%	2yr Comparative Base Effects	-3. <mark>5</mark> 3%	-0.39%	-0.02%	0.36%
Headline CPI YoY	2.71%	2.64%	2.20%	1.64%	1.81%	1.76%	2.03%	2.12%	0.36%	1.22%	1.24%	1.90%	Headline CPI YoY	4.62%	3.99%	3.84%	3.42%
2yr Comparative Base Effects	1.48%	1.54%	1.96%	2.38%	2.31%	2.30%	2.16%	1.93%	2.26%	2.20%	2.12%	1.88%	2yr Comparative Base Effects	1.09%	1.49%	1.64%	2.01%

United States



Updated: 6/22/2021

Highest/Lowest Expected Values By Quad Regime



Quad 1: Goldilocks

Best Asset Classes:

Equities, Credit, Commodities, FX

Worst Asset Classes:

Fixed Income, USD

Best Equity Sectors:

Tech, Consumer Discretionary, Materials, Industrials, Telecom

Worst Equity Sectors:

Utilities, REITS, Consumer Staples, Financials, Energy

Best Equity Style Factors:

High Beta, Momentum, Leverage, Secular Growth, Mid Caps

Worst Equity Style Factors:

Low Beta, Defensives, Value, Dividend Yield, Small Caps

Best Fixed Income Sectors:

BDCs, Convertibles, HY Credit, EM \$
Debt, Leveraged Loans

Worst Fixed Income Sectors:

TIPS, Short Duration Treasurys, MBS, Treasury Belly, Long Bond

Quad 2: Reflation

Best Asset Classes:

Commodities, Equities, Credit, FX

Worst Asset Classes:

Fixed Income, USD

Best Equity Sectors:

Tech, Consumer Discretionary, Industrials, Energy, Financials

Worst Equity Sectors:

Telecom, Utilities, REITS, Consumer Staples, Health Care

Best Equity Style Factors:

Secular Growth, High Beta, Small Caps, Cyclical Growth, Momentum

Worst Equity Style Factors:

Low Beta, Dividend Yield, Value, Defensives, Size

Best Fixed Income Sectors:

Convertibles, BDCs, Preferreds, Leveraged Loans, HY Credit

Worst Fixed Income Sectors:

Long Bond, Treasury Belly, Munis, MBS, IG Credit

Quad 3: Stagflation

Best Asset Classes:

Gold, Commodities, Fixed Income

Worst Asset Classes:

Credit

Best Equity Sectors:

Utilities, Tech, Energy, Industrials, Consumer Discretionary

Worst Equity Sectors:

Financials, REITS, Materials, Telecom, Consumer Staples

Best Equity Style Factors:

Secular Growth, Momentum, Mid Caps, Low Beta, Quality

Worst Equity Style Factors:

Small Caps, Dividend Yield, Value, Defensives, Size

Best Fixed Income Sectors:

Munis, EM \$ Debt, Long Bond, TIPS, Treasury Belly

Worst Fixed Income Sectors:

BDCs, Preferreds, Convertibles, Leveraged Loans, HY Credit

Quad 4: Deflation

Best Asset Classes:

Fixed Income, Gold, USD

Worst Asset Classes:

Commodities, Equities, Credit, FX

Best Equity Sectors:

Consumer Staples, Utilities, REITS, Health Care, Telecom

Worst Equity Sectors:

Energy, Tech, Industrials, Financials, Materials

Best Equity Style Factors:

Low Beta, Dividend Yield, Quality, Defensives, Value

Worst Equity Style Factors:

High Beta, Momentum, Leverage, Secular Growth, Cyclical Growth

Best Fixed Income Sectors:

Long Bond, Treasury Belly, IG Credit, Munis, MBS

Worst Fixed Income Sectors:

Preferreds, EM Local Currency, BDCs, Leveraged Loans, TIPS





			1-Day %	MTD %	QTD %	YTD %
SECTOR	<u>Ticker</u>	<u>Price</u>	<u>Chg</u>	<u>Chg</u>	<u>Chg</u>	<u>Chg</u>
Consumer Discretionary	XLY	\$180.80	-0.25%	1.26%	1.26%	12.45%
Financial Select Sector	XLF	\$35.68	-2.00%	-2.75%	-2.75%	21.03%
Health Care Select Sector	XLV	\$128.27	-0.55%	1.84%	1.84%	13.07%
Technology Select Sector	XLK	\$149.82	-0.95%	1.46%	1.46%	15.23%
Consumer Staples Select Sector	XLP	\$69.75	-0.37%	-0.31%	-0.31%	3.41%
Industrial Select Sector	XLI	\$101.88	-1.39%	-0.51%	-0.51%	15.05%
Materials Select Sector	XLB	\$81.38	-1.36%	-1.13%	-1.13%	12.42%
The Energy Select Sector	XLE	\$51.75	-0.58%	-3.94%	-3.94%	36.54%
Utilities Select Sector	XLU	\$64.52	-0.29%	2.04%	2.04%	2.90%
Real Estate Select Sector	XLRE	\$45.31	-0.09%	2.21%	2.21%	23.93%
Communications Services Sector	XLC	\$80.92	-1.10%	-0.06%	-0.06%	19.92%
S&P 500	SPX	4,320.82	-0.86%	0.54%	0.54%	15.04%

Sector Relative Performance



			1-Day %	MTD %	QTD %	YTD %
	<u>Ticker</u>	Price	<u>Chg</u>	<u>Chg</u>	Chg	Chg
Consumer Discretionary	XLY	\$180.80	0.61%	0.72%	0.72%	-2.58%
Financial Select Sector	XLF	\$35.68	-1.15%	-3.30%	-3.30%	6.00%
Health Care Select Sector	XLV	\$128.27	0.31%	1.30%	1.30%	-1.96%
Technology Select Sector	XLK	\$149.82	-0.09%	0.92%	0.92%	0.19%
Consumer Staples Select Sector	XLP	\$69.75	0.48%	-0.86%	-0.86%	-11.63%
Industrial Select Sector	XLI	\$101.88	-0.54%	-1.05%	-1.05%	0.02%
Materials Select Sector	XLB	\$81.38	-0.50%	-1.67%	-1.67%	-2.62%
The Energy Select Sector	XLE	\$51.75	0.28%	-4.48%	-4.48%	21.51%
Utilities Select Sector	XLU	\$64.52	0.56%	1.50%	1.50%	-12.13%
Real Estate Select Sector	XLRE	\$45.31	0.77%	1.67%	1.67%	8.90%
Communications Services Sector	XLC	\$80.92	-0.24%	-0.60%	-0.60%	4.88%





INDEX/SECURITY	VOLUME: (7/8) vs.									
	Prior Day	1M Ave	3M ave	1Y Ave						
Total Market Volume*	-9%	-6%	-15%	-8%						
Total Exchange Volume**	6%	0%	1%	-6%						

^{*}Total Market Volume = Total US exchange volume plus OTC and OTCBB trading volume for all security types. Calculated by Bloomberg.

^{**}Tape A+B+C volume = total US exchange volume

^{***} Total Traded Value for Russell 3000 (total mkt proxy)





	FACTOR	1D % Chg	1W % Chg	1M % Chg	3M % Chg	6M % Chg	YTD % Chg
Ħ	High Debt/EV	-1.0%	-2.7%	-5.9%	0.3%	16.4%	20.5%
Debt	Low Debt/EV	-0.9%	0.6%	5.5%	6.4%	11.0%	13.7%
- IS	High Short Interest	-1.1%	-2.1%	-2.9%	1.2%	13.8%	17.1%
	Low Short Interest	-0.9%	0.5%	1.4%	4.6%	12.0%	13.9%
BETA	High Beta	-1.2%	-2.8%	-4.5%	0.4%	18.2%	23.2%
- 8	Low Beta	-0.6%	0.8%	2.0%	5.6%	9.8%	11.2%
YIELD	High Yield	-0.9%	-1.2%	-4.4%	1.4%	13.7%	15.5%
- XIE	Low Yield	-0.9%	-0.5%	2.2%	3.5%	11.9%	16.1%
MKT	MCAP Bottom 25%	-1.1%	-1.9%	-4.7%	-0.1%	12.8%	16.3%
2 3	MCAP Top 25%	-0.8%	-0.1%	1.5%	4.4%	13.0%	15.4%
es	Top 25% Sales Growth	-1.0%	-1.2%	0.7%	2.1%	12.7%	15.4%
Sa	Bottom 25% Sales Growth	-1.1%	-1.3%	-3.2%	3.0%	13.8%	17.9%
EPS	Top 25% EPS Growth	-1.1%	-1.4%	-0.7%	1.8%	11.4%	14.8%
ü	Bottom 25% EPS Growth	-1.1%	-1.6%	-3.5%	1.3%	15.2%	18.8%

^{*}Mean Performance of Top Quartile vs. Bottom Quartile, S&P500 Companies





		1D	5D	1M	3M	vs. 52-Wk, Bps		vs.	vs.
	Price	Bps Chg	Bps Chg	Bps Chg	Bps Chg	High	Low	3Y Ave	5Y Ave
3M T-Bill	0.04%	0.0	0.8	3	4	-10	19	-113	-106
3M LIBOR	0.12%	0.0	-1.4	0	-6	-16	1	-130	-129
2Y T-Note	0.20%	-2.0	-3.9	4	4	-8	11	-105	-115
5Y T-Note	0.77%	-3.7	-11.5	-1	-12	-22	58	-64	-87
10Y T-Note	1.33%	-2.4	-13.1	-20	-37	-44	83	-41	-65
30Y T-Note	1.97%	-1.1	-11.4	-24	-40	-55	80	-29	-53
2Y-10Y Spread, Bps	112.64	2.4	-6.4	-21.0	-38	-45	73	64	50
IG SPREAD (AAABBB)	1.07%	1.0	3.0	-1	-1	-52	3	-42	-41
HIGH YIELD	3.67%	8.0	-2.0	-24	-35	-291	14	-220	-224
5Y BREAKEVEN	2.42%	-3.0	-9.4	-1.3	-15.7	-40.4	122.2	70.6	66.9





		*Days = Tradin		52-Wk Rolling 30D Correlation					
METRIC	15D	30D	90D	120D	180D	High	Low	% Time Pos	% Time Neg
SPX	0.79	0.70	-0.32	0.01	-0.13	0.70	-0.94	23%	77%
BRENT Oil	0.13	0.86	-0.12	0.10	-0.09	0.88	-0.92	29%	71%
CRB Index	-0.20	-0.09	-0.46	0.10	-0.08	0.82	-0.96	38%	62%
GOLD	0.53	-0.93	-0.86	-0.78	-0.48	0.54	-0.98	9%	91%
BTC	0.14	-0.68	0.44	0.18	-0.13	0.78	-0.8 7	47%	53%

CFTC Non-Commercial Net Long Positioning (Updated Weekly)

	FIC NON-COMMERCIAL NET LY						3	Y	Z-S	core
	METRIC	Latest	W/W Chg	3M Ave	6M Ave	1Y Ave	Max	Min	1Y	3Y
	SPX (Index + E-mini)	49,001	(8,240)	(6,788)	(10,687)	(2,186)	245,514	(318,850)	1.12X	0.36X
ES	VIX	(66,691)	(4,915)	(78,077)	(101,577)	(98,937)	44,245	(218,362)	1.41X	0.50X
EQUITIES	Russell 2000 (mini)	(34,635)	2,244	(31,544)	(18,009)	3,217	58,474	(88,708)	-1.51X	-0.79X
8	Dow Jones (mini)	(878)	14,344	(9,290)	(11,060)	(9,574)	54,635	(28,732)	1.39X	-0.56X
Ē	Nasdaq (mini)	(5,388)	2,788	(8,353)	(970)	(3,774)	47,085	(133,005)	-0.05X	-0.60X
	Nikkei Index	(4,846)	235	(4,541)	(3,579)	(2,648)	4,738	(16,298)	-0.67X	0.35X
	10Y UST	25,386	(80,875)	109,741	72,470	75,177	238,882	(758,490)	-0.74X	0.74X
SO.	2Y UST	(191,128)	(38,340)	(200,416)	(223,887)	(237,161)	5,264	(421,551)	0.61X	0.40X
RATES	5Y UST	(194,501)	(30,559)	(85,692)	(37,876)	(143,695)	148,962	(866,140)	-0.33X	0.11X
₹	UST Bonds	(79,074)	(16,255)	(104,199)	(137,444)	(163,961)	3,026	(241,003)	1.76X	0.22X
"	30D Fed Funds	(200,030)	56,278	(232,287)	(163,672)	1,099	488,558	(320,917)	-1.05X	-1.27X
	Eurodollar	(515,250)	(16,558)	132,669	374,745	447,760	2,134,274	(2,835,314)	-2.68X	-0.48X
	\$USD	(453)	61	2,156	(2,505)	(4,581)	43,033	(15,000)	0.62X	-0.94X
SO.	JPY	(73,390)	(14,806)	(52,311)	(24,959)	3,936	52,239	(117,731)	-1.91X	-1.11X
	EUR	85,503	(4,178)	90,363	103,768	135,662	212,535	(123,765)	-1.24X	0.66X
l S	GBP	13,243	(489)	25,380	24,955	10,140	40,671	(107,406)	0.17X	0.91X
I₩	AUD	(19,964)	(287)	(5,557)	(1,656)	(1,530)	15,665	(74,181)	-2.34X	0.45X
CURRENCIES	CAD	43,808	3,966	31,669	21,652	2,539	53,332	(67,121)	1.72X	1.85X
1 5	MXN	(19,519)	9,125	(10,939)	(8,308)	2,495	170,379	(29,510)	-1.43X	-1.26X
	NZD	3,131	(165)	5,620	8,489	7,692	17,126	(42,544)	-0.95X	0.73X
	CHF	10,073	(2,710)	1,989	5,227	9,437	17,848	(47,216)	0.11X	0.94X
	CRUDE OIL	594,465	4,496	550,255	554,863	538,442	693,179	332,714	2.05X	1.33X
	GOLD	72,516	(3,647)	91,553	85,439	111,116	292,066	(103,009)	-1.04X	-0.49X
	COPPER	12,208	2,577	31,597	45,823	53,647	80,564	(60,135)	-2.18X	0.10X
	Natural Gas	(99,486)	3,592	(74,733)	(38,059)	(2,988)	71,340	(262,534)	-1.92X	-0.37X
	RBOB Gasoline	64,236	7,121	53,887	56,229	59,442	129,000	40,626	0.41X	-0.57X
SO.	ULSD Heating Oil	25,447	1,281	15,996	13,413	12,537	50,485	(27,674)	1.90X	1.22X
H	Silver	40,554	2,858	45,466	44,553	44,582	80,646	(30,158)	-0.51X	0.23X
	Platinum	15,305	1,833	24,561	27,600	22,703	69,306	(11,540)	-0.96X	-0.47X
1 8	Corn	341,790	(8,369)	434,377	467,232	365,757	557,581	(270,560)	-0.12X	1.02X
COMMODITIES	Soybeans	93,990	931	166,075	180,403	196,067	270,935	(148,817)	-1.78X	0.36X
N Z	Wheat	17,412	(4,158)	21,037	26,715	28,469	63,219	(69,231)	-0.69X	0.22X
l S	Live Cattle	91,667	(2,573)	87,540	93,654	79,936	183,134	20,158	0.58X	0.28X
	Lean Hogs	82,469	(6,528)	90,284	83,368	64,591	101,705	(7,575)	0.74X	1.25X
	Sugar	240,157	610	258,813	246,426	249,515	316,046	(205,161)	-0.20X	1.14X
	Cotton	71,610	7,626	69,394	77,312	73,994	108,851	(37,827)	-0.15X	0.93X
	Coffee	51,567	4,809	49,961	47,792	42,077	64,466	(106,651)	0.52X	1.21X
	Cocoa	9,201	(2,476)	20,283	29,465	30,900	81,269	(31,483)	-1.30X	-0.45X
	Orange Juice	1,983	130	(271)	(6)	269	5,531	(9,416)	1.14X	1.24X



July 9, 2021

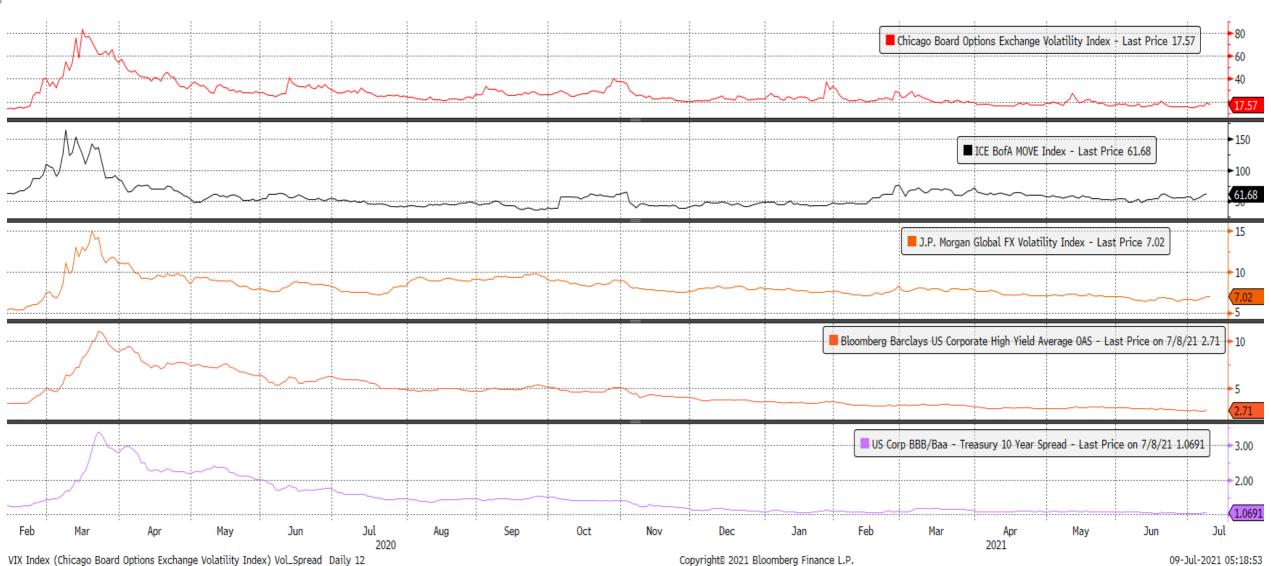
CFTC NON-COMMERCIAL NET LONG POSITIONING





The Macro Show

July 9, 2021





Implied & Realized Volatility

The Macro Show

July 9, 2021

														7 9, 2021
TIME WINDOW SETTING:		TOTAL RETURN	IVOL PREMIUM/DISCOUNT						REALIZED VOL	ATILITY TRE	NDS	IMPLIED VOLATILITY TRENDS		
VOLATILITY_30D		PERFORMANCE	IVOL PREM %						RVOL		PERCENTILE	IVOL		PERCENTILE
PUT_IMP_VOL_30D	TICKER	YTD %	IVOL / RVOL	Yesterday	1W Ago	1M Ago	TTM Z-Score	3Yr Z-Score	CURRENT	MM %	10YR	CURRENT	MM %	10YR
US EQUITIES			CURRENT											
Energy Sector SPDR ETF	XLE US EQUITY	39.36%	16%	7 %	11%	-5 %	0.5	0.7	28.4	-4%	75%	33.0	18%	82 %
Vanguard Real Estate REIT ETF	VNQ US EQUITY	23.28%	17 %	8 %	3 %	-8 %	0.4	8.0	13.4	-14%	44%	15.7	10%	62 %
Financials Sector SPDR ETF	XLF US EQUITY	22.05%	17 %	2 %	4%	23%	0.0	0.3	18.1	23 %	63%	21.2	17 %	73 %
Communication Services SPDR ETF	XLC US EQUITY	20.34%	67 %	59 %	33%	-15%	1.5	1.6	10.8	-41%	6 %	18.0	15%	32%
SPDR S&P 500 ETF Trust	SPY US EQUITY	16.02%	44%	37 %	23%	-7 %	0.9	1.1	9.1	-27 %	23%	13.1	13%	51%
Industrials Sector SPDR ETF	XLI US EQUITY	15.76%	55%	59%	38%	23%	0.9	1.2	13.3	-11%	38%	20.6	13%	75 %
Technology Sector SPDR ETF	XLK US EQUITY	15.68%	70%	61%	63%	- 13 %	2.0	1.7	11.8	-41%	26%	20.1	15%	72 %
Power Shares QQQ Trust ETF	QQQ US EQUITY	14.63% 13.90%	80% 20%	66% 3%	44% 1 9 %	- 7 % 23 %	2.1 -0.4	2.3 0.2	10.8 11.0	-42% 11%	16% 32%	19.4 13.2	13% 9%	71 % 39 %
Health Care Sector SPDR ETF I-Shares Russell 2000 ETF	XLV US EQUITY	13.46%	41%	24%	16%	- 7 %	1.0	1.1	16.2	- 19 %	48%	22.9	22%	77 %
Materials Sector SPDR ETF	XLB US EQUITY	13.37%	55 %	36%	38%	34%	1.0	1.1	14.9	-19%	39%	23.2	5 %	78 %
Consumer Discretionary Sector SPDR ETF	XLY US EQUITY	12.80%	110%	88%	70%	-6%	2.3	2.6	8.3	- 49 %	7 %	17.5	14%	69%
Consumer Staples Sector SPDR ETF	XLP US EQUITY	4.63%	64%	12%	54 %	28%	0.4	0.4	9.9	-1%	35%	16.3	27 %	83%
Utilities Sector SPDR ETF	XLU US EQUITY	4.47%	12%	24%	81%	-14%	-0.2	0.1	14.1	-3%	54%	15.7	26%	70%
INTERNATIONAL EQUITIES			1270			1170	5.2	0,,			0.770	1011		10,0
Euro Stoxx 50 Index	SX5E INDEX	16.08%	30%	27 %	38%	-8 %	0.9	1.1	12.3	-17 %	25%	16.0	17 %	44%
I-Shares MSCI Emerging Markets ETF	EEM US EQUITY	2.32%	26%	30%	19%	-3%	0.7	0.8	13.9	-22%	22%	17.5	2%	36%
I-Shares MSCI Japan ETF	EWJ US EQUITY	-0.64%	29%	22%	11%	-23%	0.6	1.0	12.2	-30%	29%	15.7	18%	43%
I-Shares China Large-Cap ETF	FXI US EQUITY	-7.26 %	7 %	8%	4%	-2 %	0.4	0.4	20.8	4%	47%	22.2	13%	52 %
CURRENCIES														
PowerShares US Dollar Index ETF	UUP US EQUITY	2.43%	20%	22%	27 %	0%	-0.3	-0.1	5.3	-16 %	23%	6.4	1%	21%
Currency Shares British Pound ETF	FXB US EQUITY	0.60%	5%	6 %	15 %	-7 %	-0.2	-0.1	6.2	-9 %	17%	6.5	3%	14%
Currency Shares Euro Trust ETF	FXE US EQUITY	-3.53%	2 %	5 %	3 %	-16 %	-0.2	-0.1	5.6	-16 %	15%	5.7	3%	12%
Currency Shares Japanese Yen ETF	FXY US EQUITY	-6.22 %	6%	-4%	12 %	2 %	-0.6	-0.3	6.0	6 %	29%	6.4	10%	17 %
COMMODITIES														
United States Oil Fund ETF	USO US EQUITY	50.02%	85 %	100%	77 %	10%	2.4	2.9	18.0	-31 %	14%	33.4	16 %	63 %
United States Natural Gas Fund ETF	UNG US EQUITY	39.78%	47 %	44%	53 %	23 %	0.6	0.9	31.8	22 %	40%	46.6	46 %	70%
PowerShares DB Base Metals Fund ETF	DBB US EQUITY	15.64%	372 %	462%	486%	197 %	0.0	-0.1	21.0	4%	81%	99.0	65 %	86%
PowerShares DB Agriculture Fund ETF	DBA US EQUITY	9.48%	-15%	-12 %	-12 %	-2 %	-2.1	-1.5	23.4	22%	99%	20.0	6 %	88%
SPDR Gold Shares ETF	GLD US EQUITY	-5.44%	-5%	-8 %	-5%	11%	-0.4	-0.4	14.9	25 %	59%	14.2	8%	45%
FIXED INCOME														
I-Shares IBOXX HY Corporate Bond ETF	HYG US EQUITY	2.72%	90%	55%	68%	0%	1.6	2.0	2.0	-40%	0%	3.9	14%	9%
I-Shares IBOXX IG Corporate Bond ETF	LQD US EQUITY	-0.83%	10%	10%	4%	2%	-0.5	-0.1	5.3	-2 %	60%	5.8	6%	55%
I-Shares J.P. Morgan USD EM Bond ETF	EMB US EQUITY	-1.36%	7 %	14%	47 %	4%	-0.5	-0.2	5.2	-17 %	37%	5.6	-15%	19%
I-Shares 7-10 Year Treasury Bond ETF	IEF US EQUITY	-2.08% -5.03%	38% 24%	23% 19%	23% 5%	35% 21%	-0.3 0.3	-0.1	4.9 12.5	27% 34%	39% 54%	6.7 15.5	30% 38%	74 % 81 %
I-Shares 20+ Year Treasury Bond ETF	TLT US EQUITY	-5.03%	∠47₀	19%	5%	∠176	0.3	0.8	12.5	34%	54 %	15.5	30%	0 170
MEGA-CAP TECH		43.000/	0//0/	000/	7/10/	440/	2.9	20	12.0	// 20/	90/	27.4	200/	C00/
Alphabet	GOOGL US EQUITY	42.69% 26.54%	94% 51%	99% 51%	74% 43%	-11% -23%	1.6	2.8 1.5	13.9 22.6	-42% -30%	8% 27%	27.1 34.2	28% 37%	69 % 59 %
Facebook Microsoft	FB US EQUITY	26.54% 25.30%	62%	51% 58%	43% 43%	-23% -16%	2.3	2.0	22.6 14.6	-30% -34%	13%	23.6	37% 27%	65%
Amazon	MSFT US EQUITY AMZN US EQUITY	14.57%	50%	48%	58 %	3%	1.0	1.1	21.5	-54% 5%	32%	32.2	52 %	63 %
Apple	AAPL US EQUITY	8.30%	73%	70 %	53 %	- 2 %	3.4	2.4	16.7	- 26 %	12%	28.9	30%	65%
John C.	AAFE US EQUITY	0.5076	20/0	, /0	JJ /0	-2 /0	J.4		10.7	-20/0	12/0	20.0	J V /0	9370