

Daily Data Analysis and Assessment of the Global Economy

Watch What China Is Doing, Not How It Is DoingAnd Don't Worry, The Rest Of The World Is Doing Worse!

- Carl Weinberg, Chief International Economist

Fed To Keep Tightening As Labor Market Keeps Tightening



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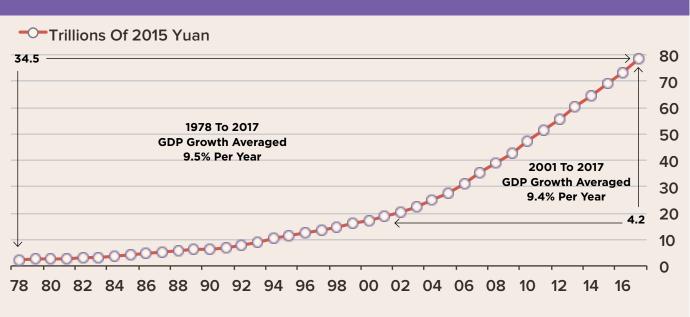
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China: GDP



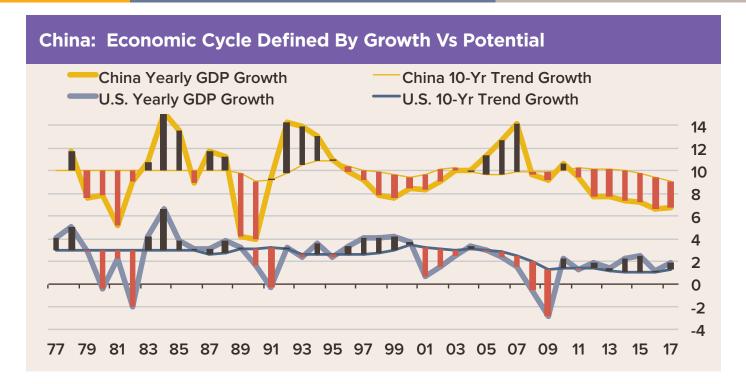


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China's Tactics

Patience

Trump Is Not Forever... Xi May Be

Persistence

Pursue Made-In-China 2025 Goals, Develop Silk Road Entice Europe And Other U.S. Allies Into New Sino-Deals Petro-Yuan Brings China Reserve Currency Status

Power: Control South & East China Sea Lever U.S. Naval Power Out, Tap South Korea Technology



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Made In China 2025

- Research and development: Establish 15 national "innovation centers" by 2020 and 40 by 2025, to develop technologies.
- Manufacture smarter: Lower operating costs, shorten production times and slash defect rates, each by 30% by 2020 and 50% by 2025.
- Industrial self sufficiency: Produce 40% of core components in all manufacturing by 2020, 70% by 2025.
- Environmental responsibility: In all sectors, reduce emissions per unit produced by 20%, lower energy use per unit of output below world average by 2025 and build 1,000 green factories by 2025.
- Build significant shares of global manufacturing of ten sectors:
 Aerospace, rail, high-tech autos, hi-tech marine, power grids, machine tools, nuclear plants and equipment, medical equipment.

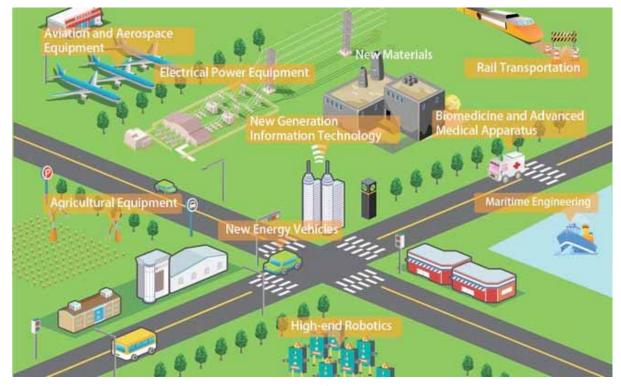


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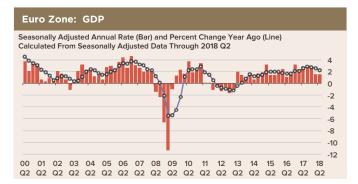


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Retail sales are slowing in most economies, outside the United States. HFE traces the roots of weak consumer spending to low real wage gains. Rising energy prices threaten squeeze out demand for other goods and services. Consumer spending is 2/3 of total demand in most economies.

United States: Retail Sales, Percent Change Year Ago

Line Shows Yearly Change Of 3-Month Moving Average



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China: Retail Sales, Percent Change Year Ago



Germany: Retail Sales Ex-Cars Index, Percent Change Year Ago

Excluding Autos And Petrol, Line Shows Three-Month Moving Averages



Euro Zone: Retail Sales, Percent Change Year Ago

Line Shows Three-Month Moving Average Year-Over-Year



Japan: Retail Sales Volume, Percent Change Year Ago

Seasonally Adjusted Monthly Index, 2005=100, Blue Line Is 3-Month Change Annualized



United Kingdom: Retail Sales, Percent Change Year Ago

Volume Index, Line Shows Yearly Change Of Three-Month Moving Average



Canada: Retail Sales, Percent Change Year Ago

Line Shows Yearly Change Of Three-Month Moving Average



Australia: Retail Sales, Percent Change Year Ago

Blue Line Shows Real Sales Volumes Calculated By HFE, Percent Change Year Ago



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Bank lending is slow and/or slowing everywhere at once! HFE has explanations for each case, so this appears to be a coincidence rather than synchronized slowdown. However, simultaneous contractions of lending everywhere in the advanced economies at onces is an unfortunate coincidence, a drag on economic growth.

In the special case of Britain, where a supply shock looms, an argument can be made for **easing monetary conditions** over the next year. In other countries, low credit growth with inflation metrics near target and steady wages mean no tightening of monetary conditions is needed. Central banks may tighten anyway to normalize monetary conditions before another shock.

United Kingdom: Growth Of Broad Money And Credit



United States: Money And Credit, Percent Change Year Ago



Euro Zone: Bank Lending, Percent Change Year Ago



Canada: Measures Of Credit, Percent Change Year Ago



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Japan: Money And Credit, Percent Change Year Ago



Australia: Domestic Credit, Percent Change Year Ago





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Industrial production does not look so hot outside the U.S.! Industrial output is flat in Germany and Euroland, grinding to a halt in Japan, and stumbling in Canada. Outside North America, there is no sign of slack exhaustion: Production was higher a decade ago, before the global financial crisis, than last month.

Germany: Industrial Production, Percent Change Year Ago



United Kingdom: Industrial Production

Bars Are Industrial Production, %chya, Blue Line Is Percent Change Since Peak Yellow Line Is Annualized Three-Month Change In Production



United States: Industrial Production, Percent Change Year Ago



Jul Jan Jul O8 09 09 10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 18

Euro Zone: Industrial Production, Percent Change Year Ago

Black Line Shows Annualized Percentage Change In Three-Month Moving Average Blue Line Shows Percent Change Since April 2008 Peak



Canada: Manufacturing Output, Percent Change Year Ago

Constant Prices Of 2012, Blue Line Is Percent Change Since Feb 2008 Peak



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China: Industrial Production, Percent Change Year Ago



Japan: Industrial Production, Percent Change Year Ago

Blue Line Is Percent Change Since Feb 2008 Peak



Australia: Industrial Production, Percent Change Year Ago





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EM Hot Spots Threaten Contagion ... Even To Advanced Economies

BBVA Linked To Turkish Banks

Santander And Other Spanish Banks Linked To BBVA

Spanish Banks All Linked To Euro Zone Banks Via Target2

Perception Of EM Risk Linkage Is More Important Than Reality

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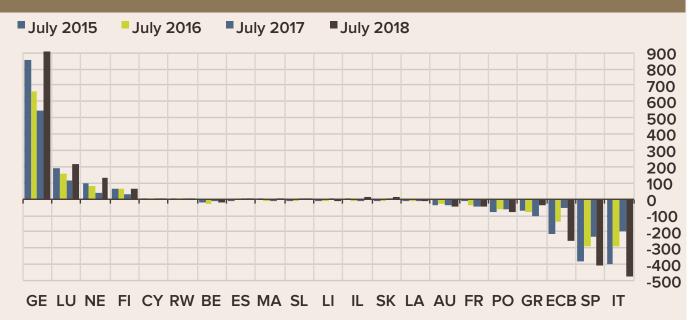
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TARGET2: Net National Balances, Billion Of Euros





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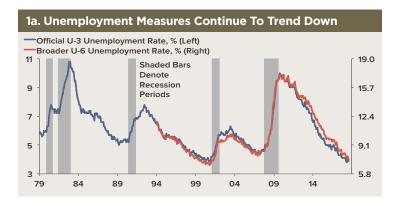
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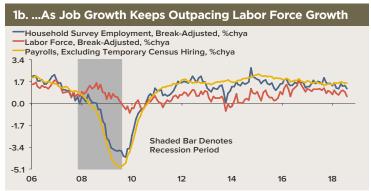


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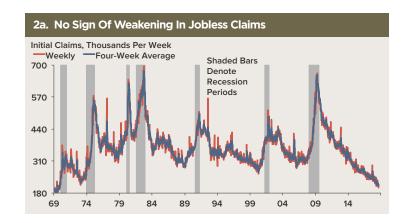


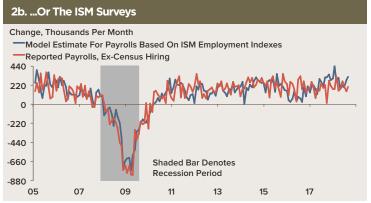


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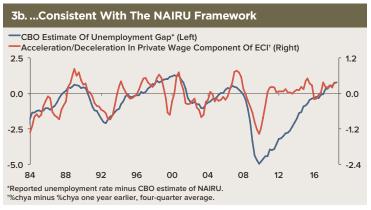


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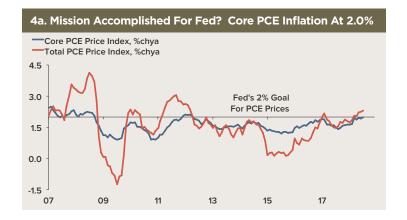




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5a. Fed Officials' Estimates For Appropriate Fed Funds Rate

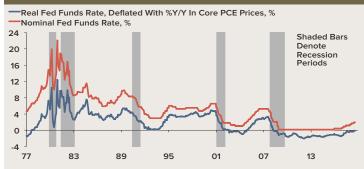
% At Year-End, as of June 2018 FOMC Meeting

Median Estimate

Mean Estimate

J	2019	2020	Longer Run
2.375	3.125	3.375	2.875
2.242	2.958	3.308	2.825

5c. Recent Recessions Have Been Preceded By Fed Tightening



5b. Fed Officials' Economic Projections

Median, %ch Q4/Q4, Unless Noted, as of June 2018 FOMC Meeting

	2018	2019	2020	Longer Run
Real GDP	2.8	2.4	2.0	1.8
Unemployment Rate*	3.6	3.5	3.5	4.5
PCE Prices	2.1	2.1	2.1	2.0
Core PCE Prices	2.0	2.1	2.1	
*Q4 level				

5d. Fed Tightening Cycles

		Nomina Rate Ta		Real F Rate						
Start	End	Start	End	Start	End					
Mar 83	Aug 84	8.50	11.50	2.6	7.5					
Apr 87	Feb 89	6.00	9.75	3.2	5.1					
Feb 94	Feb 95	3.00	6.00	0.8	3.7					
Jun 99	May 00	4.75	6.50	3.5	4.8					
Jun 04	Jun 06	1.00	5.25	-0.9	2.9					
Dec 15		0.13		-1.3						
*Deflated with %chya in core PCE prices.										



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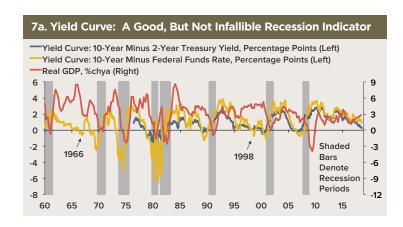


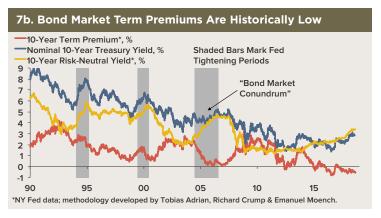


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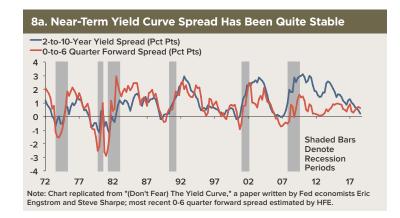


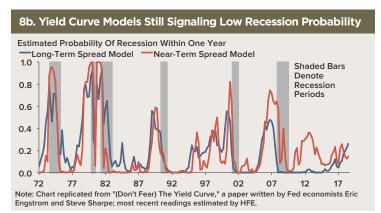


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9. Peak In Leading Indicator Versus Business Cycle Peak (In Months)

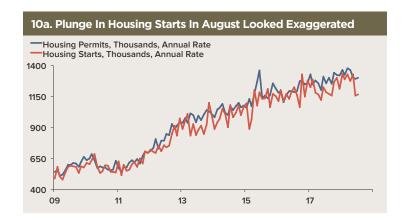
Months Before (-) Or After (+) Business Cycle Peak	Business Cycle Peak											
	Apr 60	Dec 69	Nov 73	Jan 80	Jul 81	Jul 90	Mar 01	Dec 07	Median			
Overall Index	NA	-8	-9	-15	-8	-17	-11	-21	-11			
Manufacturing Workweek	-11	-8	-8	-10	-2	-15	-11	-1	-8			
Jobless Claims	-12	-7	-9	-21	-4	-18	-12	-22	-12			
Manufacturing ISM New Orders	1	1	10	-7	0	-13	-7	-1	-1			
Orders: Nondefense Capital Goods Ex Aircraft	-13	-3	8	-10	-3	-13	-9	-15	-9			
Housing Permits	-17	-10	-11	-19	-10	-58	-27	-27	-19			
S&P 500 Index	-9	-12	-10	NA	-8	-1	-7	-2	-8			
Interest Rate Spread: 10s Vs. Fed Funds	NA	-20	-8	-15	-9	-17	-9	-17	-15			
Orders: Consumer Goods & Materials	-13	-3	-8	-10	-9	-2	-14	-4	-8			
Leading Credit Index							-12	-6	-9			
Average Consumer Expectations				-14	-7	0	-2	-9	-7			



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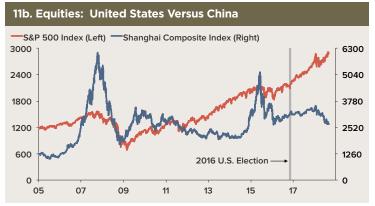


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12. HFE's U.S. Economic & Financial Forecasts														
%ch From Previous Period, Annual Rate, Except Where Noted; Forecasts In Bold														
	2017				2018				Calendar Average			Q4/Q4		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2017	2018	2019
Real GDP	1.8	3.0	2.8	2.3	2.2	4.2	3.0	3.0	2.2	2.9	2.7	2.5	3.1	2.3
CPI	3.0	0.1	2.1	3.3	3.5	1.7	2.2	2.3	2.1	2.5	2.5	2.1	2.4	2.8
Core CPI	2.2	0.8	1.8	2.2	3.0	1.8	2.4	2.5	1.8	2.2	2.6	1.7	2.4	2.8
Core PCE Prices	1.6	1.3	1.4	2.1	2.2	2.0	2.0	2.1	1.6	1.9	2.3	1.6	2.1	2.5
Unemployment (%, level)	4.7	4.3	4.3	4.1	4.1	3.9	3.9	3.6	4.4	3.9	3.4	4.1	3.6	3.3
Federal Budget Balance (\$B, FY)									-666	-775	-1100			
% Of GDP									-3.5	-3.9	-5.2			
												En	d Of Ye	ear
Fed Funds Target (%, EOP)	0.88	1.13	1.13	1.38	1.63	1.88	2.13	2.38	1.0	1.8	2.8	1.38	2.38	3.38
10-Year Treasury (%, EOP)	2.4	2.3	2.3	2.4	2.7	2.9	3.0	3.2	2.4	2.8	3.4	2.4	3.2	3.7
30-Year Treasury (%, EOP)	3.0	2.8	2.9	2.7	3.0	3.0	3.2	3.4	2.9	3.0	3.6	2.7	3.4	3.9
S&P 500 (level, EOP)	2363	2423	2519	2674	2641	2718	2800	2700	2440	2712	2635	2674	2700	2570



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