Trend Macrolytics, LLC
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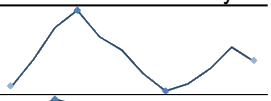
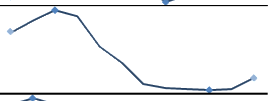
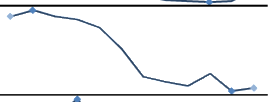
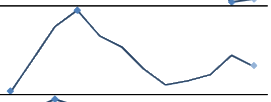
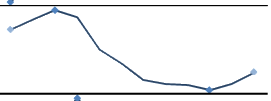
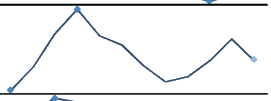
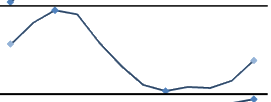
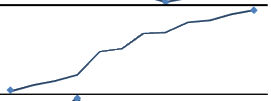
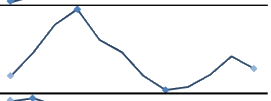
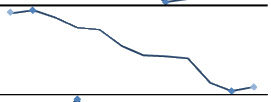
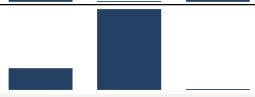
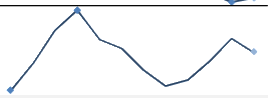
Data Insights: Consumer Price Index, Producer Price Index

Wednesday, November 15, 2017

Today's CPI data: what you need to know

	12-mo YOY	3-mo ann	1-mo ann	12 / 3/ 1-mo	12-mo YOY history
All items	+2.04%	+4.3%	+1.3%		
Core	+1.77%	+2.4%	+2.7%		
OER	+3.2%	+3.7%	+3.9%		
All less OER	+1.7%	+4.0%	+1.0%		
Core less OER	+1.0%	+1.7%	+2.1%		
Energy	+6.4%	+36.0%	-11.2%		
All less energy	+1.7%	+2.2%	+2.4%		
Food	+1.3%	+0.9%	+0.6%		
All less food	+2.2%	+4.9%	+1.4%		
Health care	+1.7%	+1.3%	+3.1%		
All less health care	+2.1%	+4.6%	+1.1%		

Source: BLS Consumer Price Index, TrendMacro calculations

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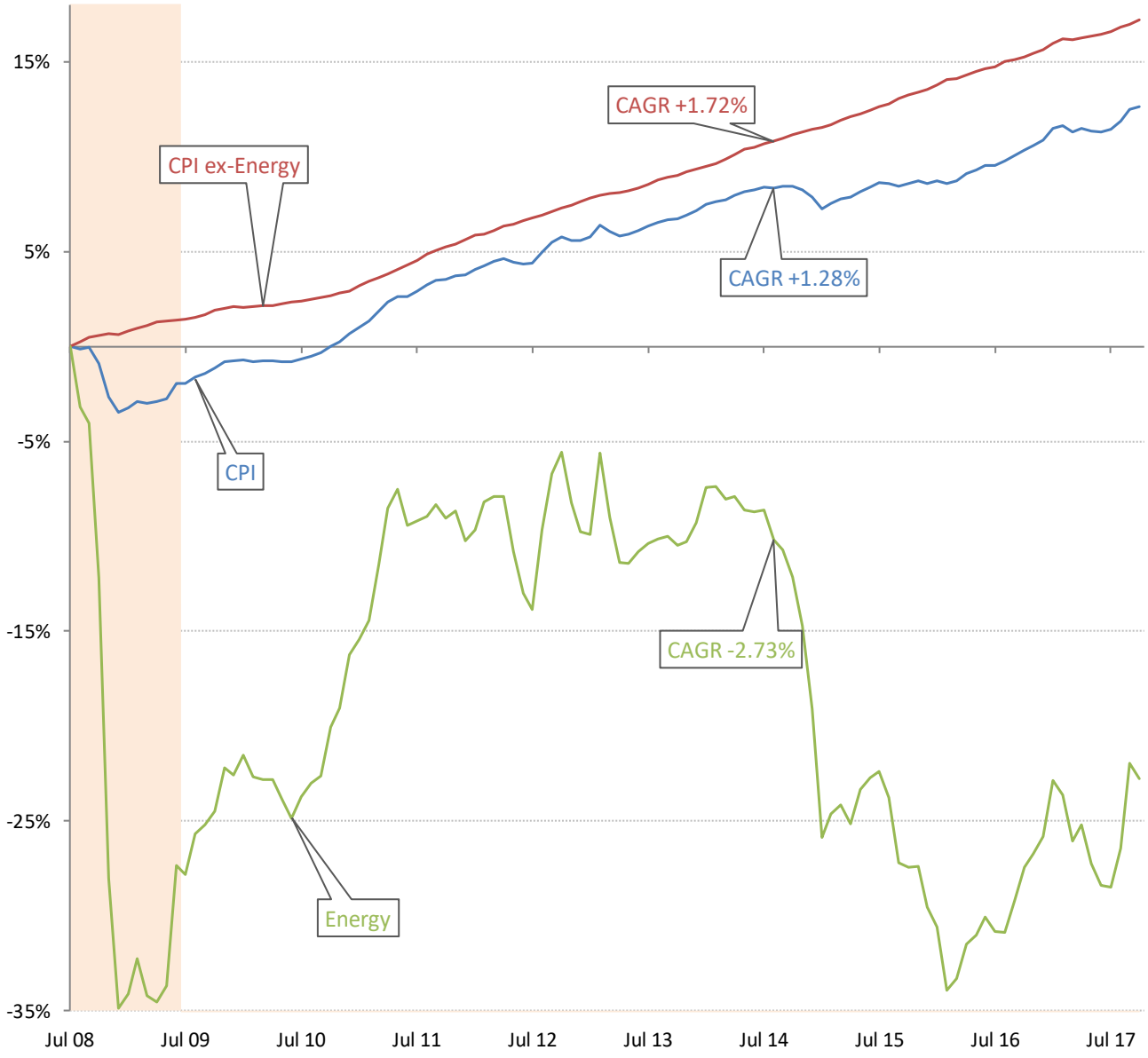
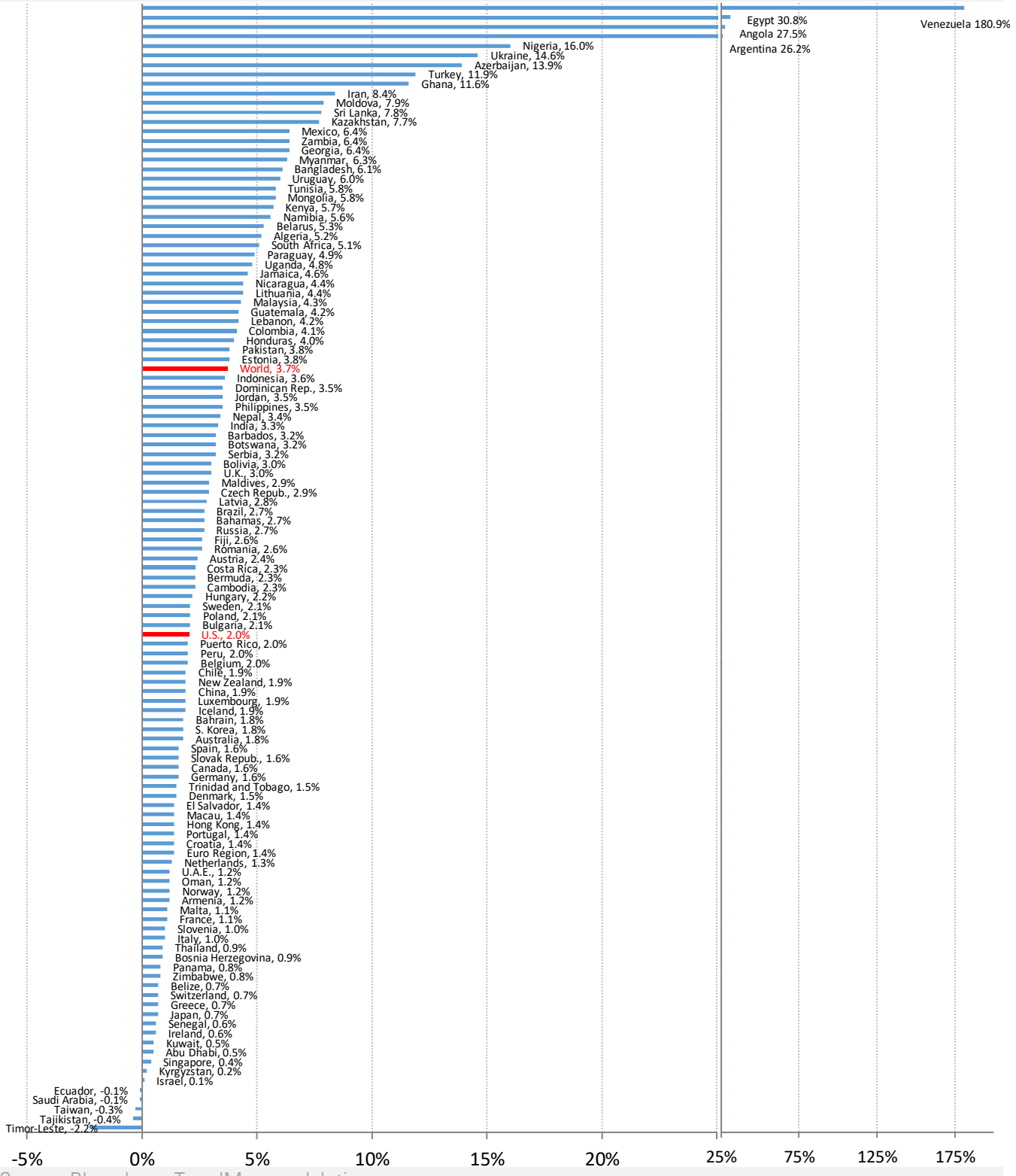
The deflation delusion: it's all about oil, and always has been
Cumulative growth of CPI from July 2008, the all-time high oil price



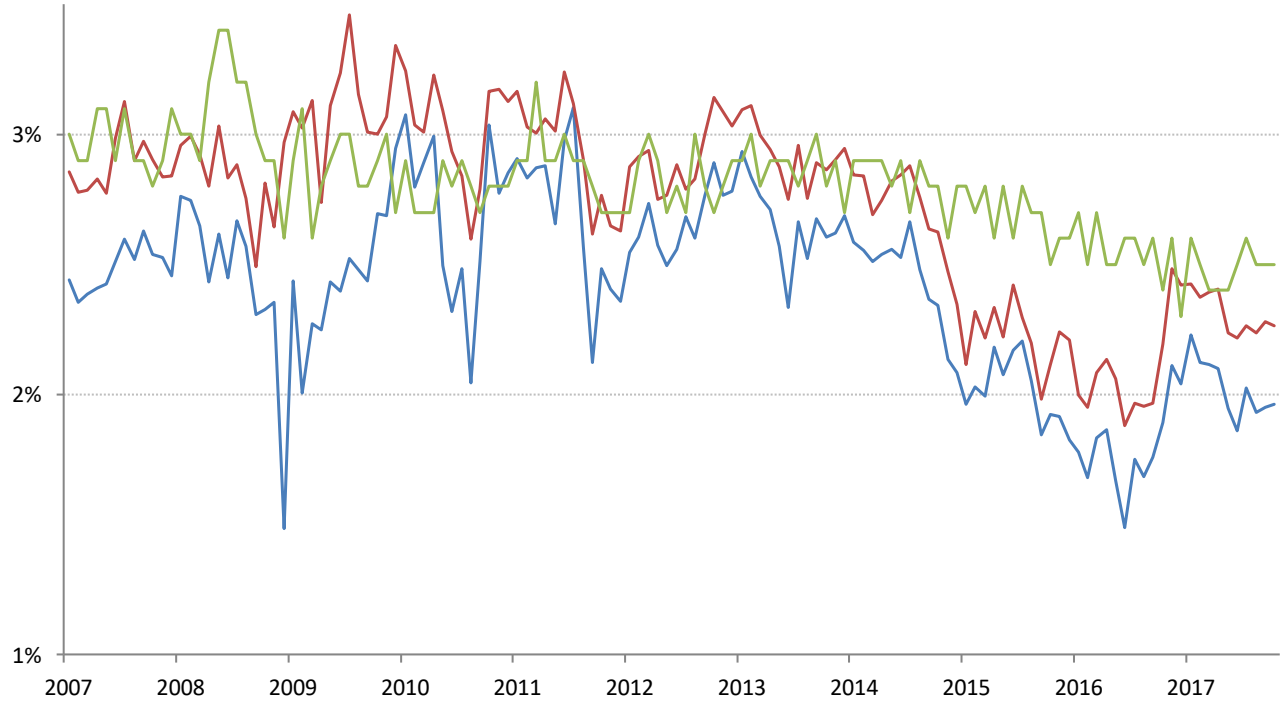
Source: Bloomberg, TrendMacro calclations

World round-up: CPI year-on-year



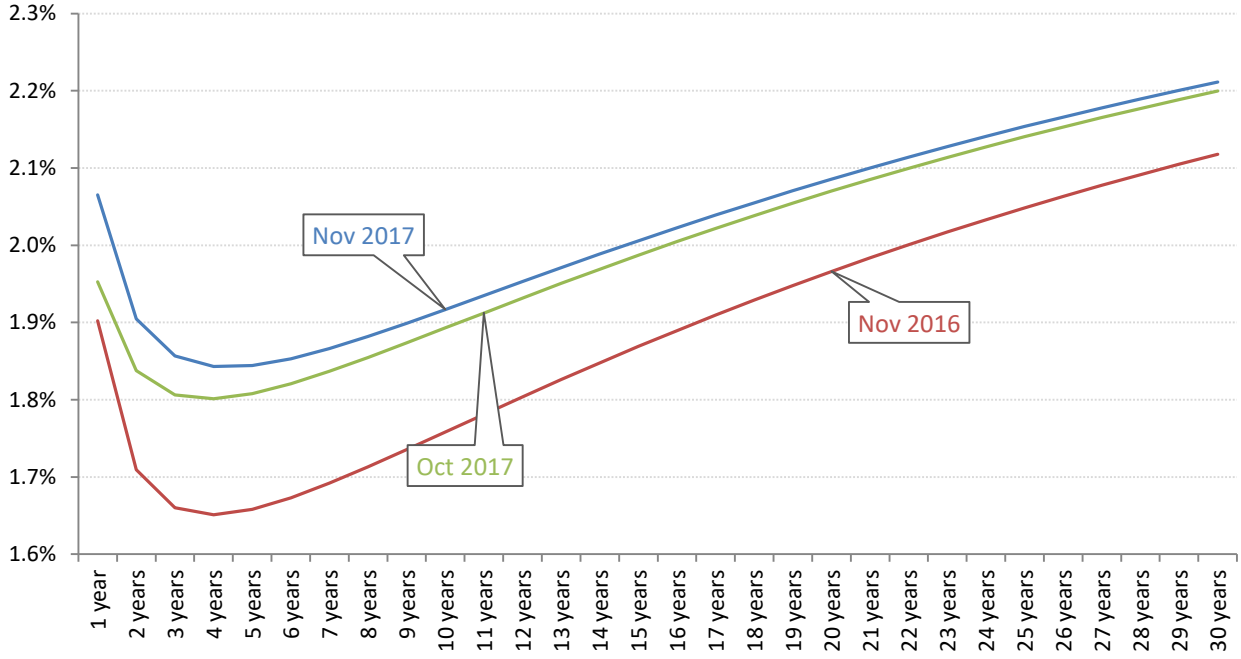
Source: Bloomberg, TrendMacro calclations

Implied 5-year inflation, 5 years forward — TIPS — Swaps — U. Michigan Survey



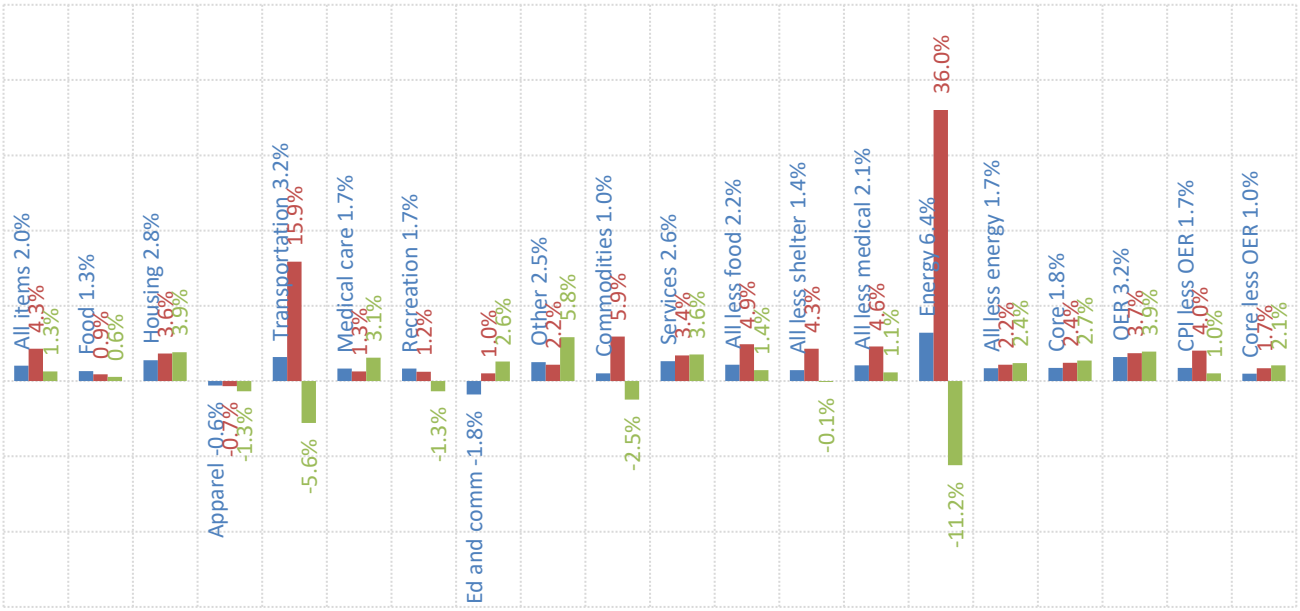
Source: Bloomberg, TrendMacro calculations

Swap-implied inflation yield curve, per annum



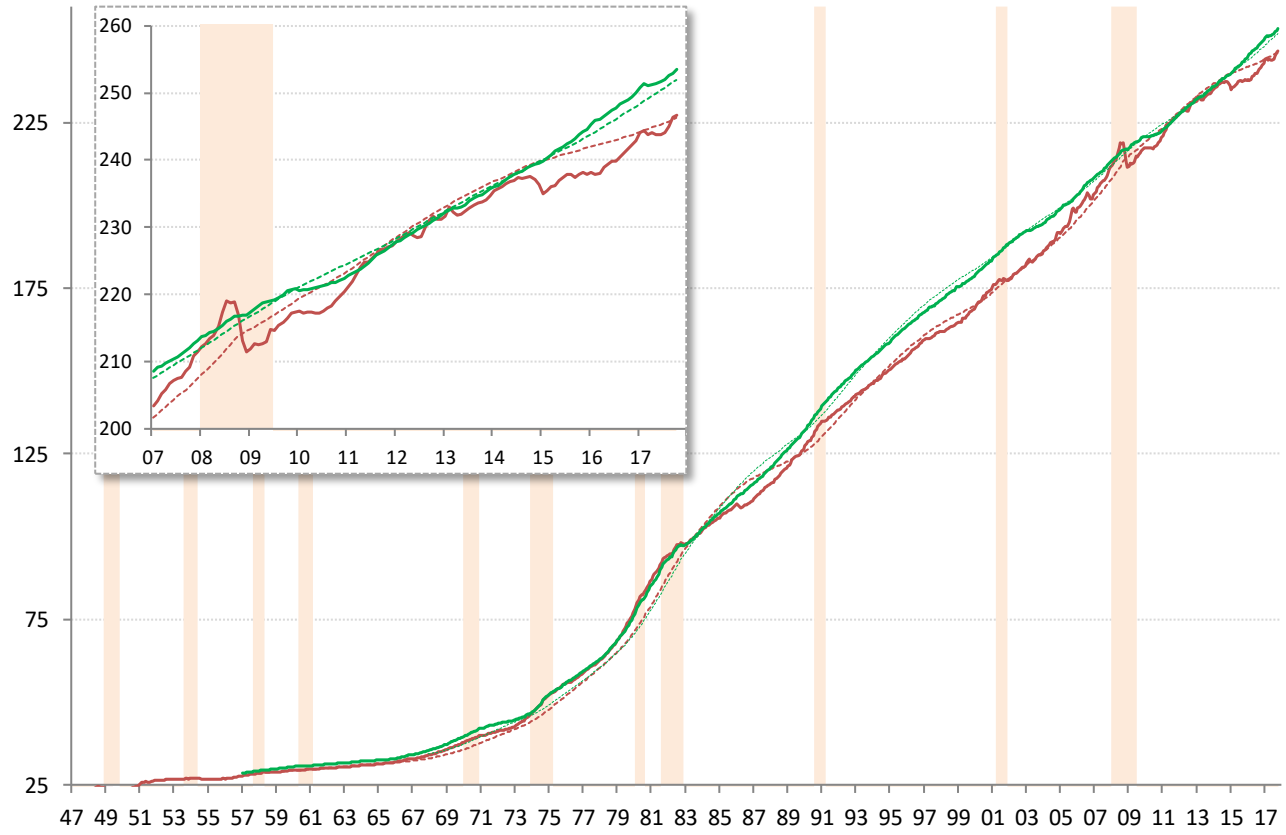
Source: Cleveland Fed, TrendMacro calculations

US CPI inflation by sector (SAAR) 12-month 3-month 1-month



Source: BLS Consumer Price Index, TrendMacro calculations

US CPI Core Level 20-year trend Recession

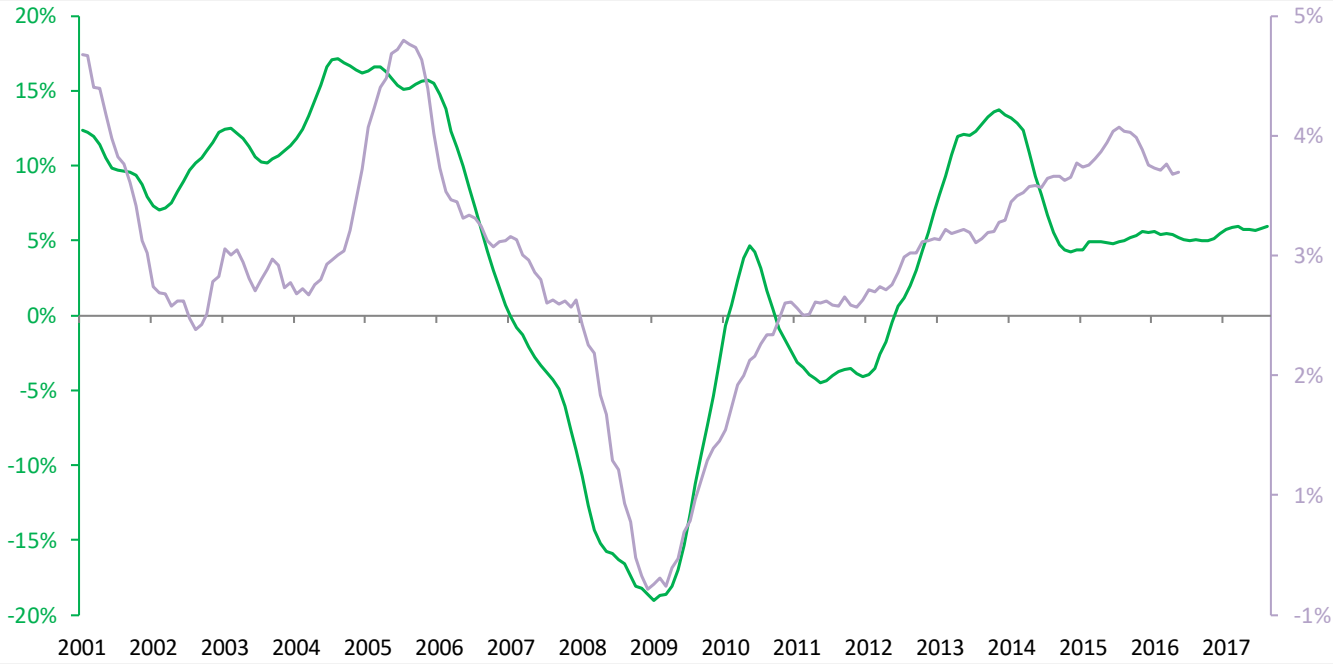


Source: BLS Consumer Price Index, TrendMacro calculations

Housing leads US CPI

Year-over-year change

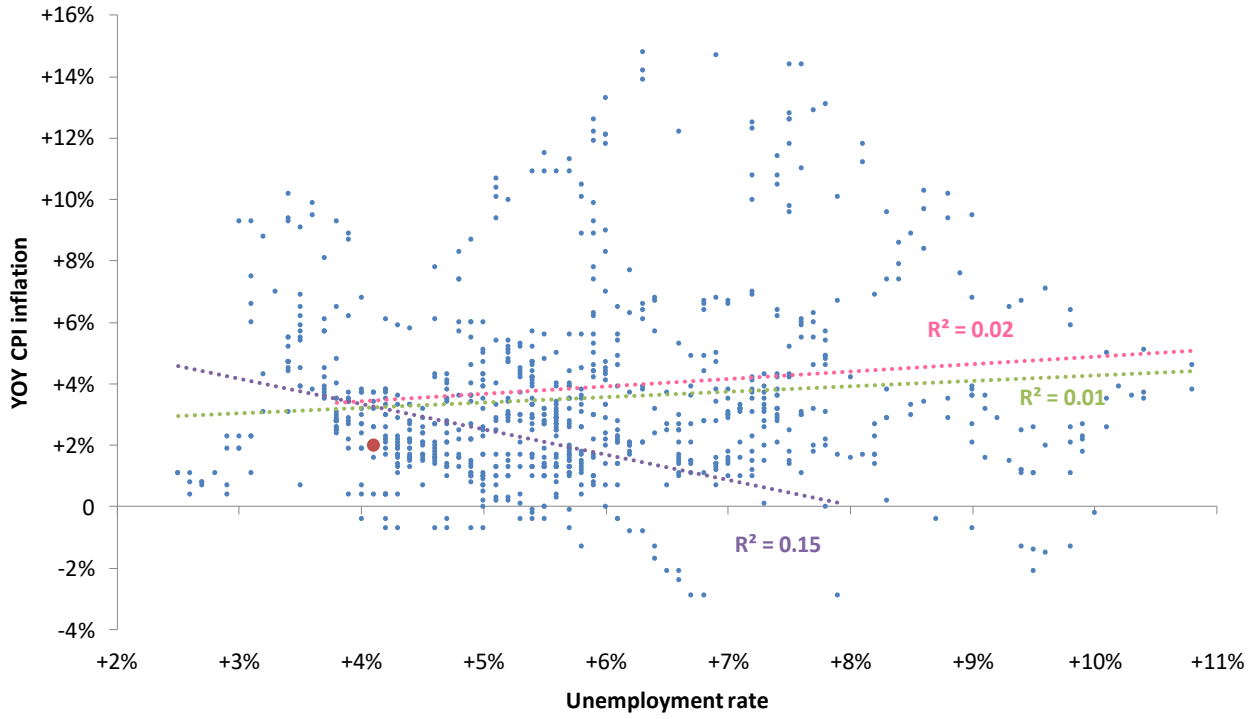
Case Shiller 20-city avg — Owner's equivalent rent CPI component, 18-mo lag



Source: BLS, Standard & Poor's Case Shiller, TrendMacro calculations

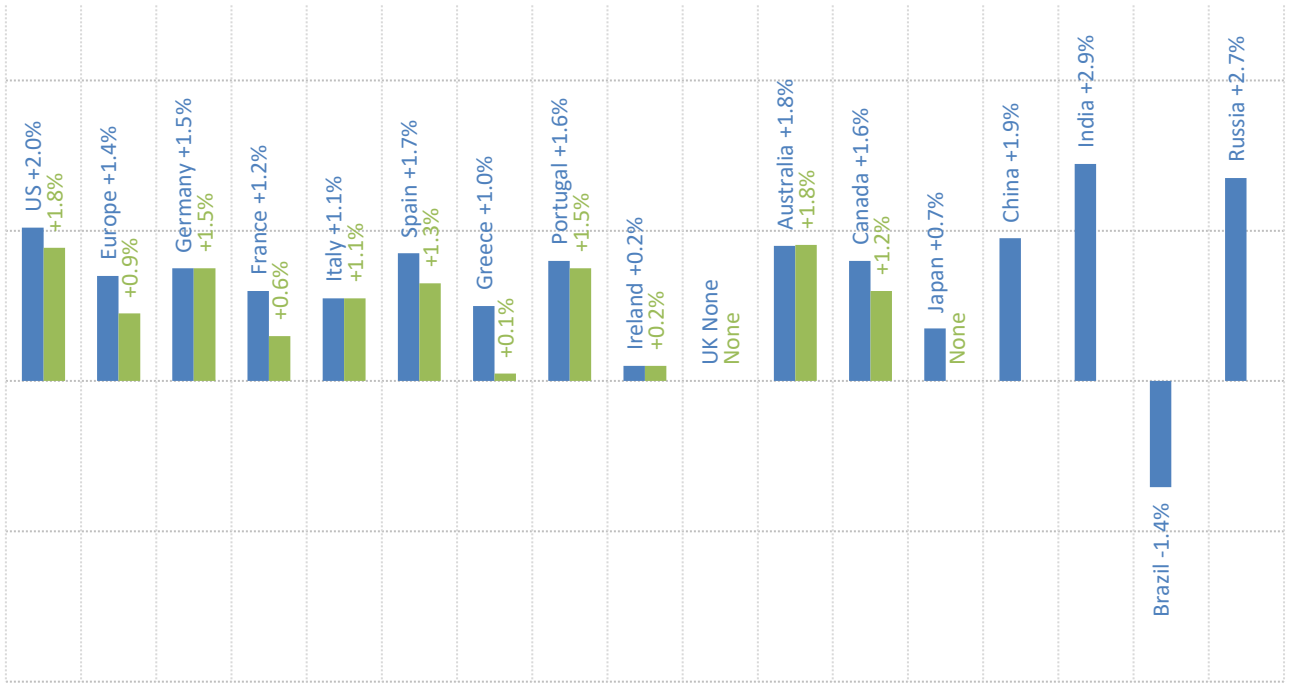
The world is flat: the vanishing Phillips Curve

Latest Linear trend: Pre-74 Post-74 All



Source: BLS Consumer Price Index, Current Population Survey

Major economies CPI, year on year



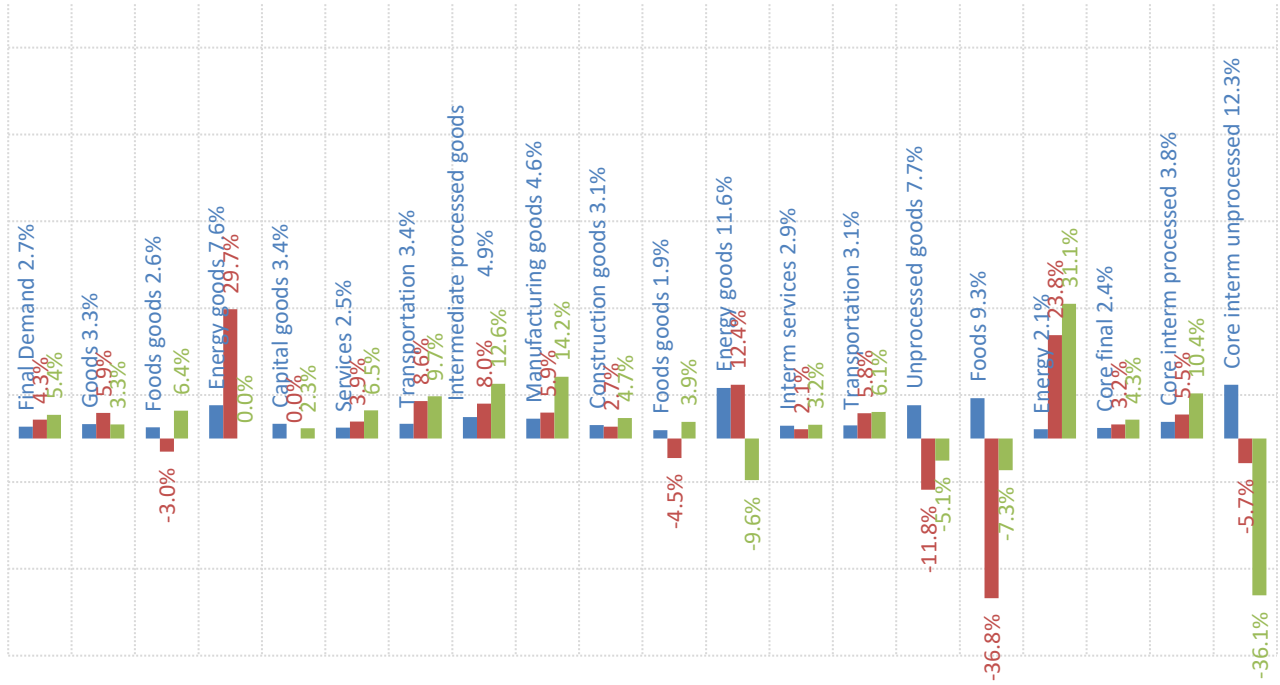
Source: Respective Statistical agencies, TrendMacro calculations

PPI data: what you need to know

	12-mo YOY	3-mo ann	1-mo ann	12 / 3/ 1-mo	13-mo YOY history
Final demand	+2.7%	+4.3%	+5.4%		
Core	+2.4%	+3.2%	+4.3%		
Intermediate processed	+4.9%	+8.0%	+12.6%		
Core	+3.8%	+5.5%	+10.4%		
Intermediate unprocessed	+7.7%	-11.8%	-5.1%		
Core	+12.3%	-5.7%	-36.1%		

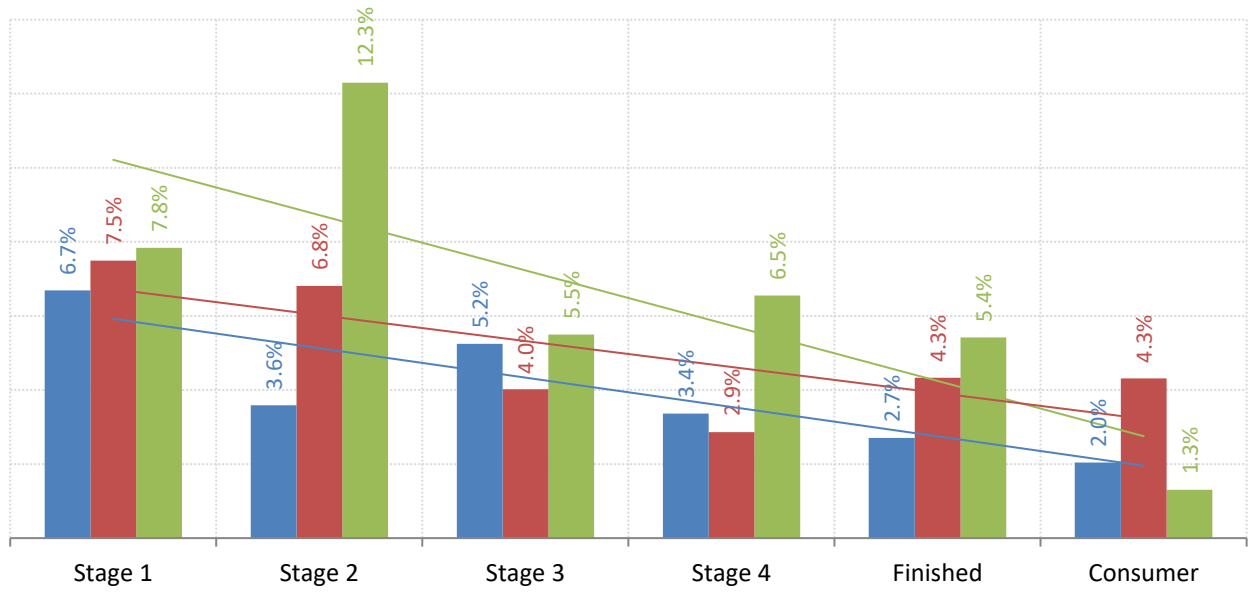
Source: BLS Producer Price Index, TrendMacro calculations

PPI inflation by sector (SAAR) 12-month 3-month 1-month



Source: BLS Producer Price Index, TrendMacro calculations

The inflation pipeline (SAAR) 12-month 3-month 1-month



Source: BLS Producer Price Index and Consumer Price Index, TrendMacro calculations