

The relationship between Real Commodity Prices and Real Interest Rates

Jeffrey Frankel and Marco Martinez, June 2018

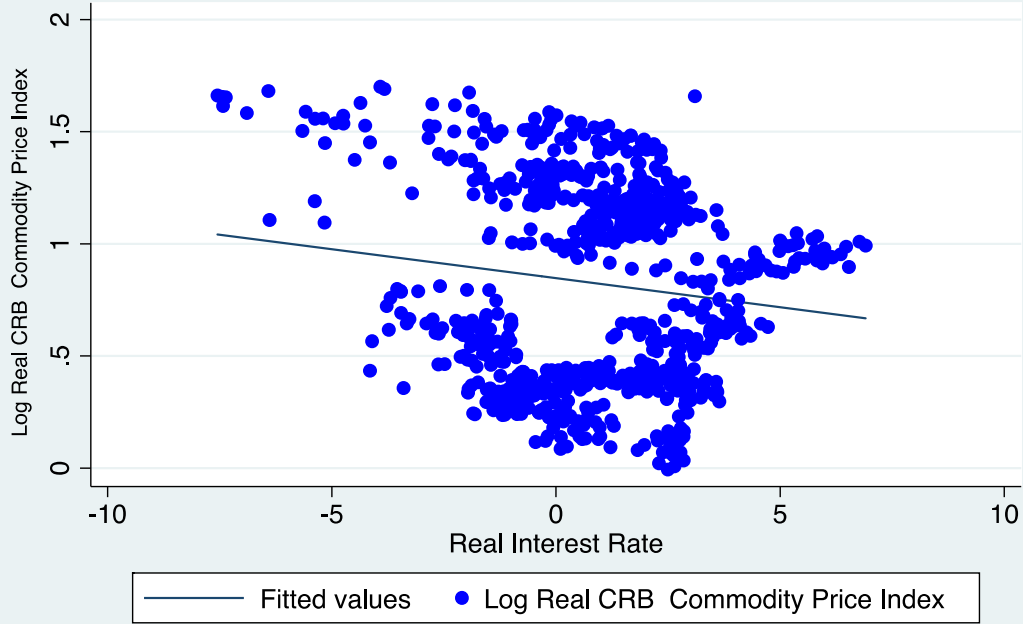
	Feb 1951-Apr 2018	Feb 1951- Feb 2014	Feb 1951-Apr 2018	Dec 1969-April 2018
	(1)	(2)	(3)	(4)
VARIABLES	Log Real CRB (BLS) Foods Price Index period average	Log Real Dow Jones- AIG Commodity Price Index period average	Log Real Moody's Commodity Price Index period average	Log Real Goldman Sachs Commodity Price Index period average
Real Interest Rate	-0.026*** (0.007)	-0.026*** (0.007)	-0.088*** (0.005)	-0.071*** (0.006)
Constant	0.847*** (0.017)	0.043** (0.017)	2.594*** (0.013)	0.713*** (0.016)
Observations	807	757	807	581
R-squared	0.018	0.022	0.295	0.172

*** p<0.01, ** p<0.05, * p<0.1. Heteroskedastic robust standard errors in parentheses.

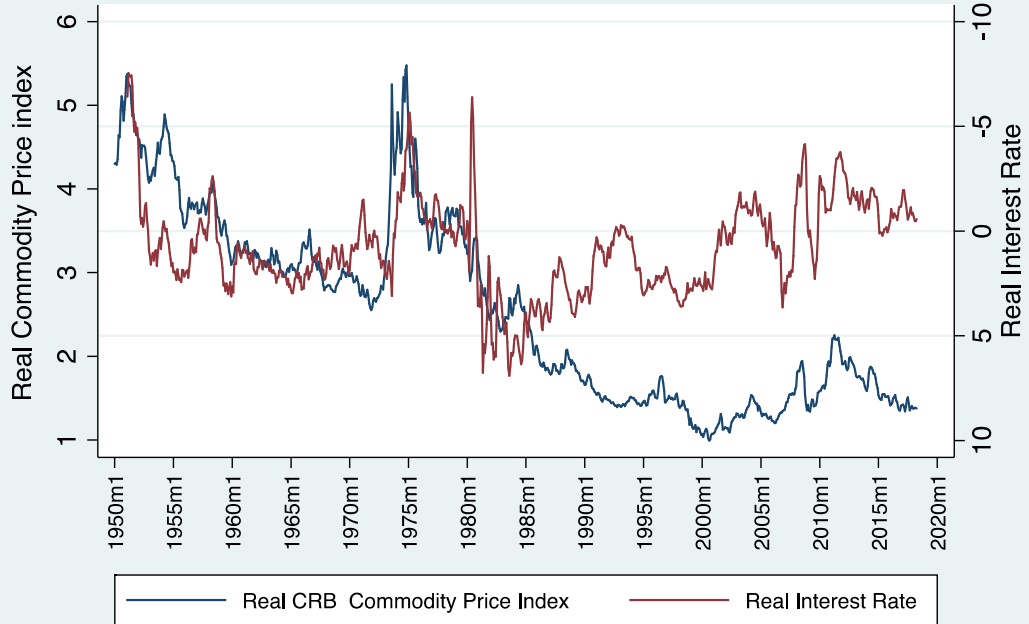
Notes:

- INFLATION (Month X, Year T) = Log CPI (Month X, Year T) – Log CPI (Month X, Year T-1)
- REAL INTEREST RATE (Month X, YEAR T) = [3-TBILL(Month X, YEAR T)/100 - INFLATION (Month X-1, YEAR T)] *100 for months (Feb-Dec) ; for Jan we take INFLATION (Month X-1, YEAR T-1).
- Source for 3-month treasury bill rates: Federal Reserve Bank of St. Louis <https://fred.stlouisfed.org/series/TB3MS>, May 31, 2018. Source for Commodity Price Indexes: Global Financial Data

CRB Commodity Price Index vs. Real Interest Rate
Monthly, Feb 1951- Apr 2018

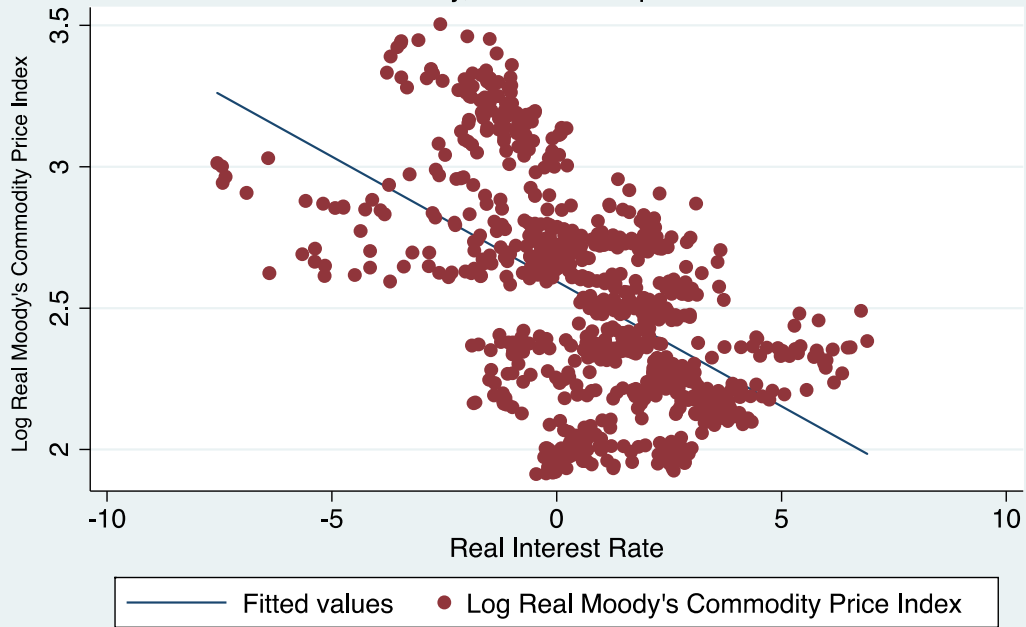


CRB Commodity Price Index vs. Real Interest Rate
Monthly, 1951-2018



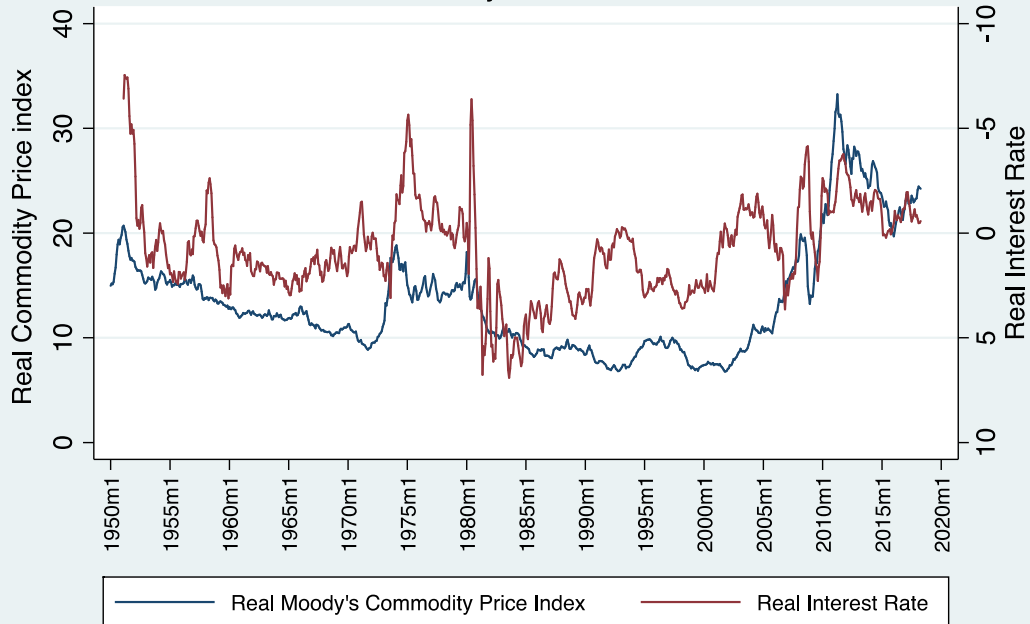
Moody's Commodity Price Index vs. Real Interest Rate

Monthly, Feb 1951- April 2018

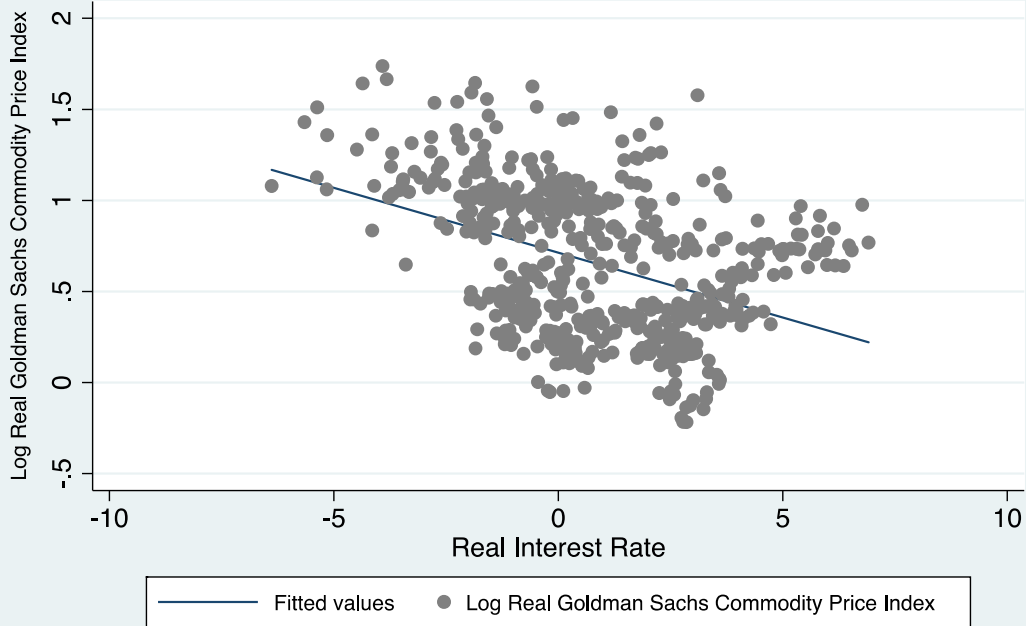


Moody's Commodity Price Index vs. Real Interest Rate

Monthly, 1951-2018



Goldman Sachs Commodity Price Index vs. Real Interest Rate
Monthly, Dec 1969- Apr 2018



Goldman Sachs Commodity Price Index vs. Real Interest Rate
Monthly, 1969-2018

