



Public Employee Retirement System of Idaho

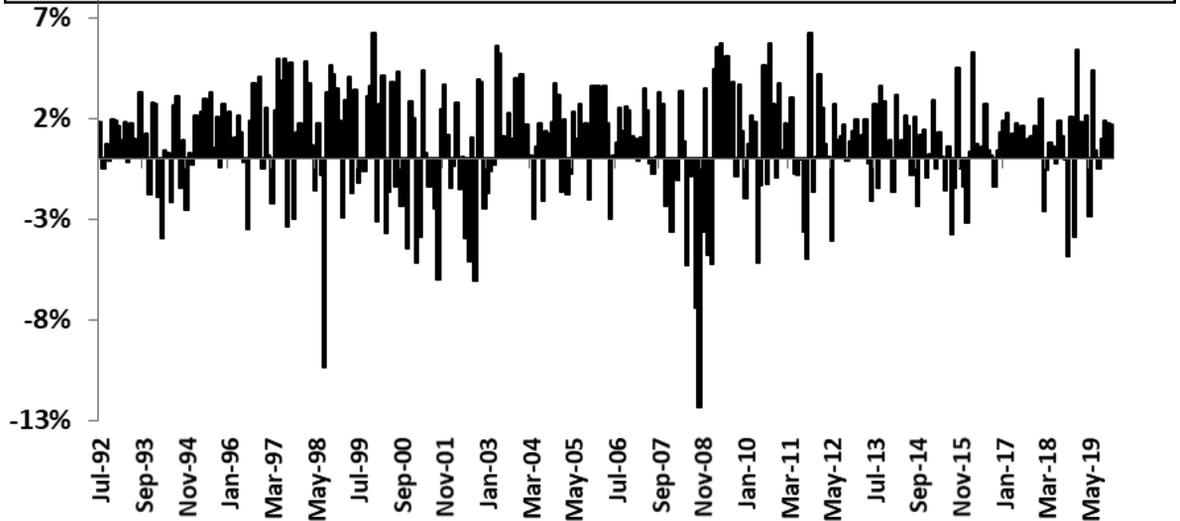
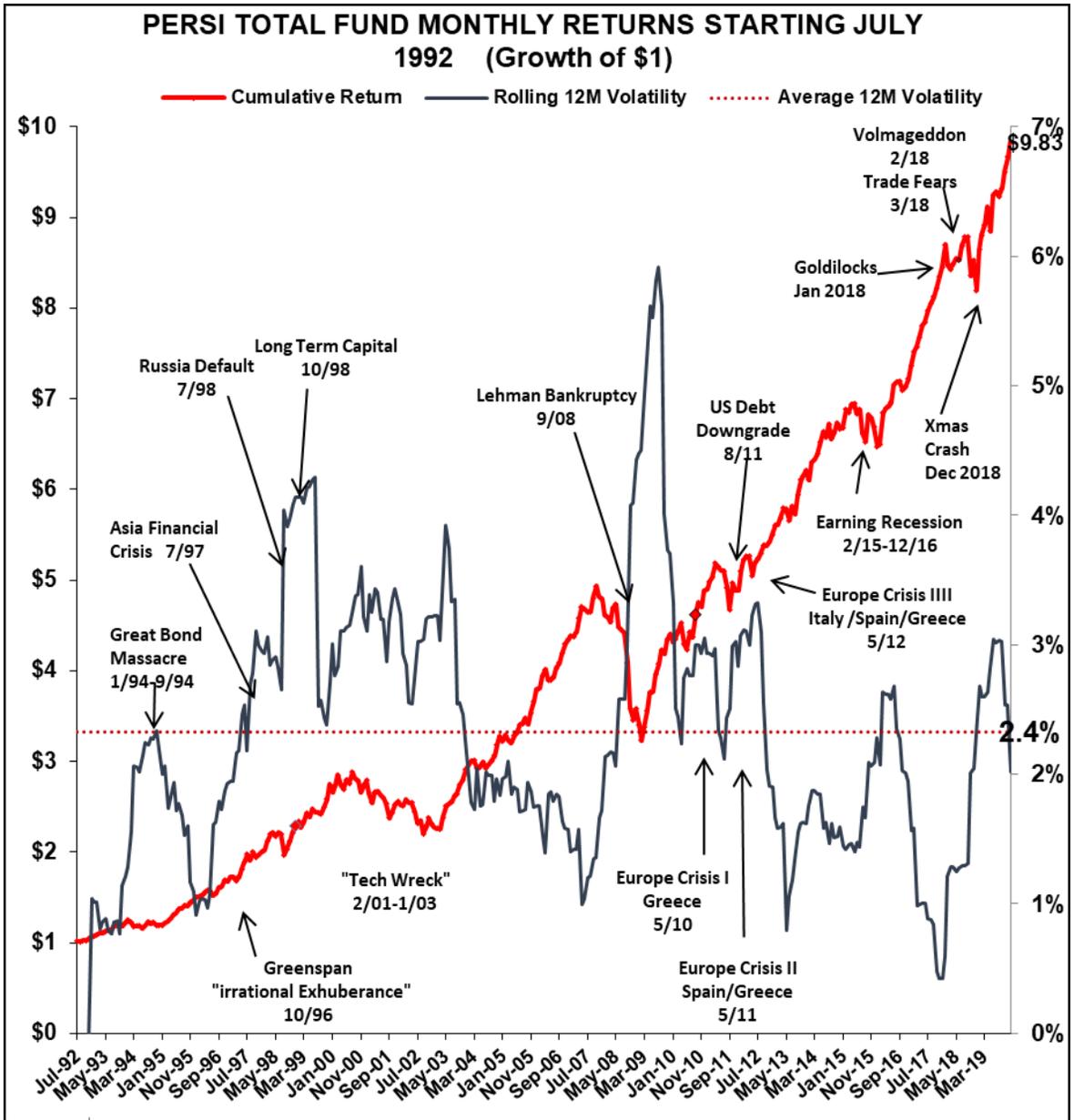
# Economic Outlook and Revenue Assessment Committee

## CAPITAL MARKET OUTLOOK

Robert Maynard  
Chief Investment  
Officer

January 3, 2020

# WILL THE GOOD TIMES CONTINUE?

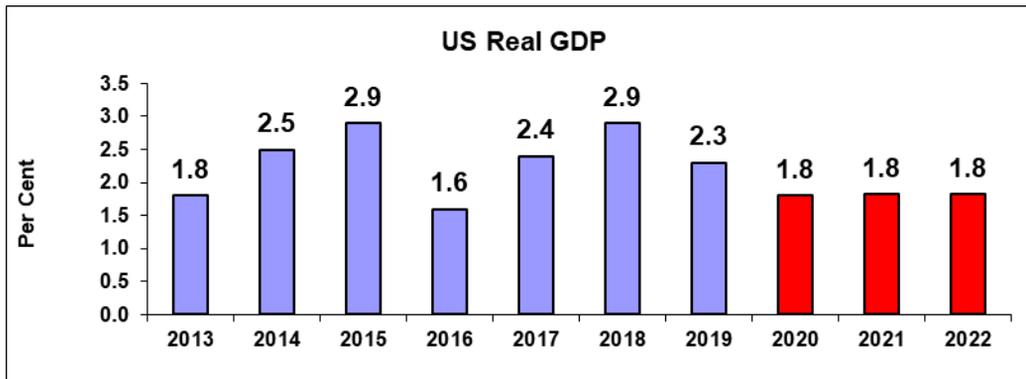


# MODERATE CAPITAL MARKETS EXPECTED FOR NEXT FEW YEARS

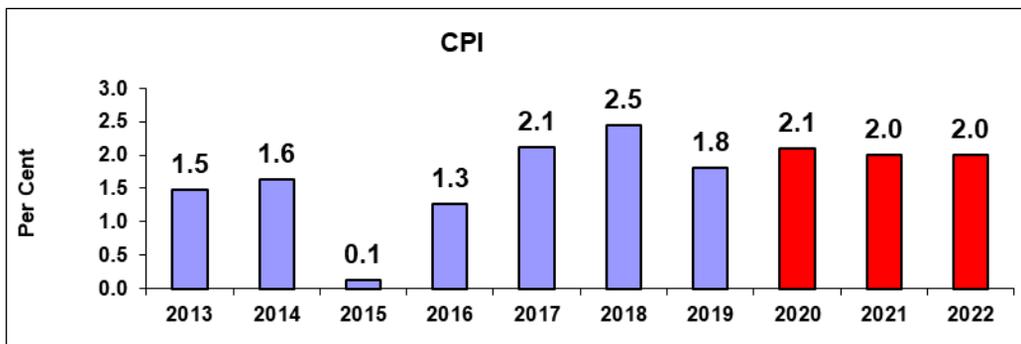
- **IN LINE WITH BORING ECONOMIC OUTLOOK**
  - 2% OR LESS REAL GDP IN US
  - OVERSEAS DEVELOPED SLIGHTLY LESS
  - EMERGING MARKETS SLIGHTLY HIGHER
  - NO RECESSION IN SIGHT
- **US PROSPECTS SUBDUED**
  - BONDS 1-2%
  - S&P 500 6%-10%
  - SMALL AND MID CAP TO OUTPERFORM
  - COMMODITIES FLAT
  - VALUE POISED FOR A COMBACK
- **INTERNATIONAL BETTER FOR STOCKS**
  - WORSE FOR BONDS
- **EMERGING MARKETS BEST**
- **REAL ESTATE SOLID**
  - IDAHO COMMERCIAL AS STRONG AS IT HAS BEEN
- **DOLLAR FAIRLY VALUED**
- **NO BUBBLES APPARENT**
  - TECH MIGHT BE AN EXCEPTION
- **MARKET ABSORBING POTENTIALLY TROUBLING ISSUES**
  - NOT A GOLDBLOCKS ENVIRONMENT
  - BIGGEST FACTOR LOW AND NEGATIVE INTEREST RATES
  - TWO OTHER MAJOR ISSUES:
    - TRADE WARS AND MANUFACTURING RECESSION SPREADING
    - ZOMBIE COMPANIES AND CREDIT COLLAPSE

# STABLE BUT BORING ECONOMIC ENVIRONMENT EXPECTED (Bloomberg Consensus Estimates)

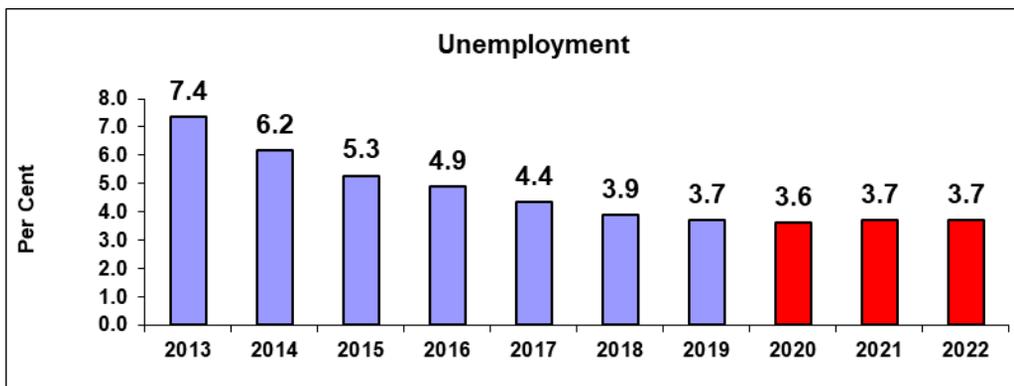
## HUMDRUM GROWTH



## LOW AND CONSISTENT INFLATION



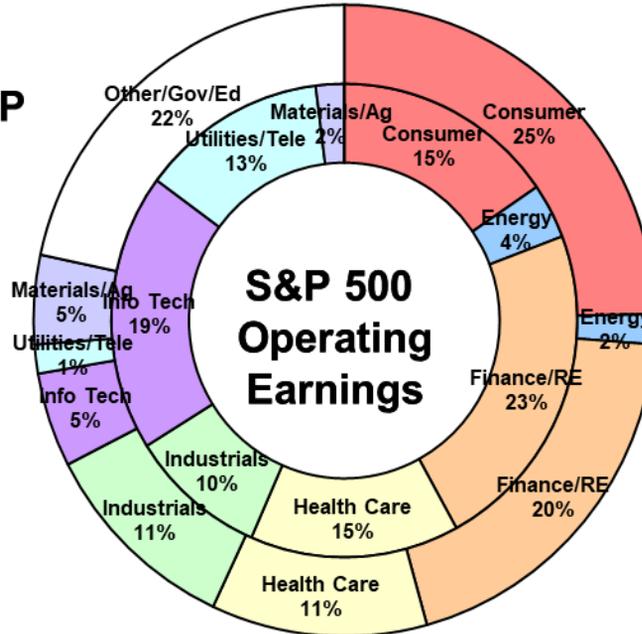
## EMPLOYMENT STRONG AND STABLE



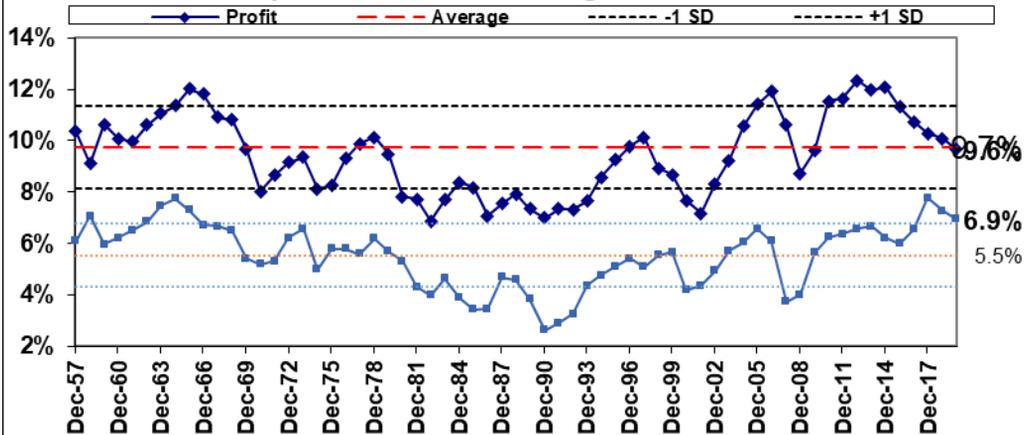
# BASIC CAPITAL MARKET CONCEPTS

- **EXPECTATIONS**
  - Not Current Conditions
  - Example: Predictions of Current Bond Yields (Yield Curve), Relative P/E ratios
  
- **RELATIVE VALUE**
  - Not absolute value in itself
  - What are people willing to pay compared to other investment opportunities (comparing risk and returns)
  - Examples: Bond yield vs Earnings Yield (P/E), US Bond Yields vs International Yields
  
- **PROFITS OR EARNINGS**
  - Not general economy
  - Example: S&P 500 vs GDP, Source of Revenues

## US GDP

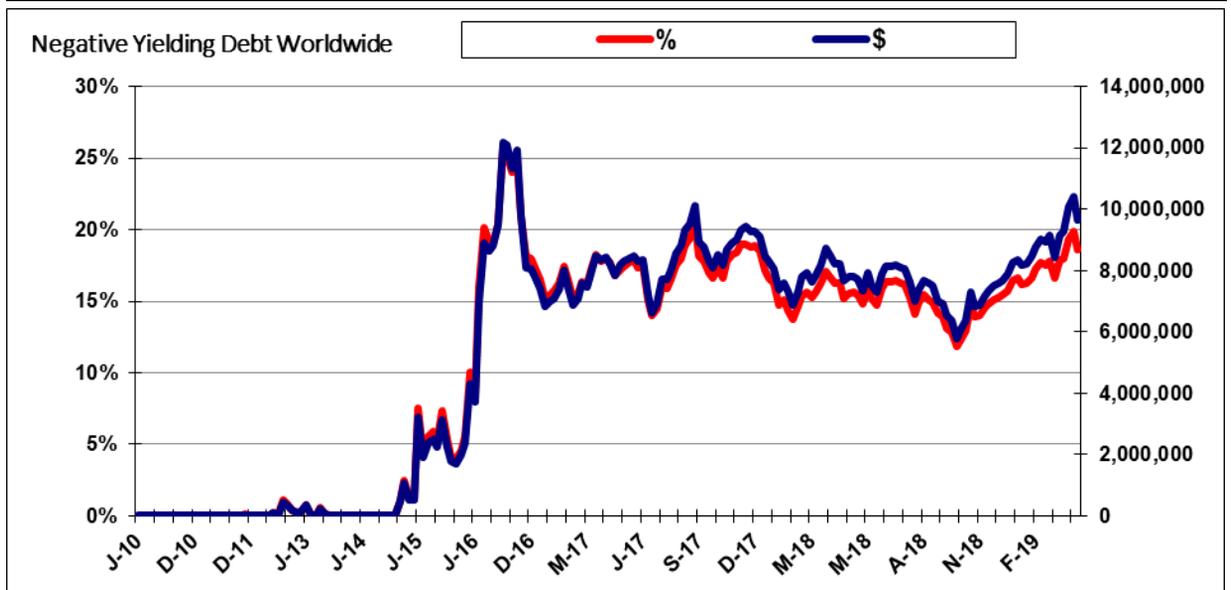
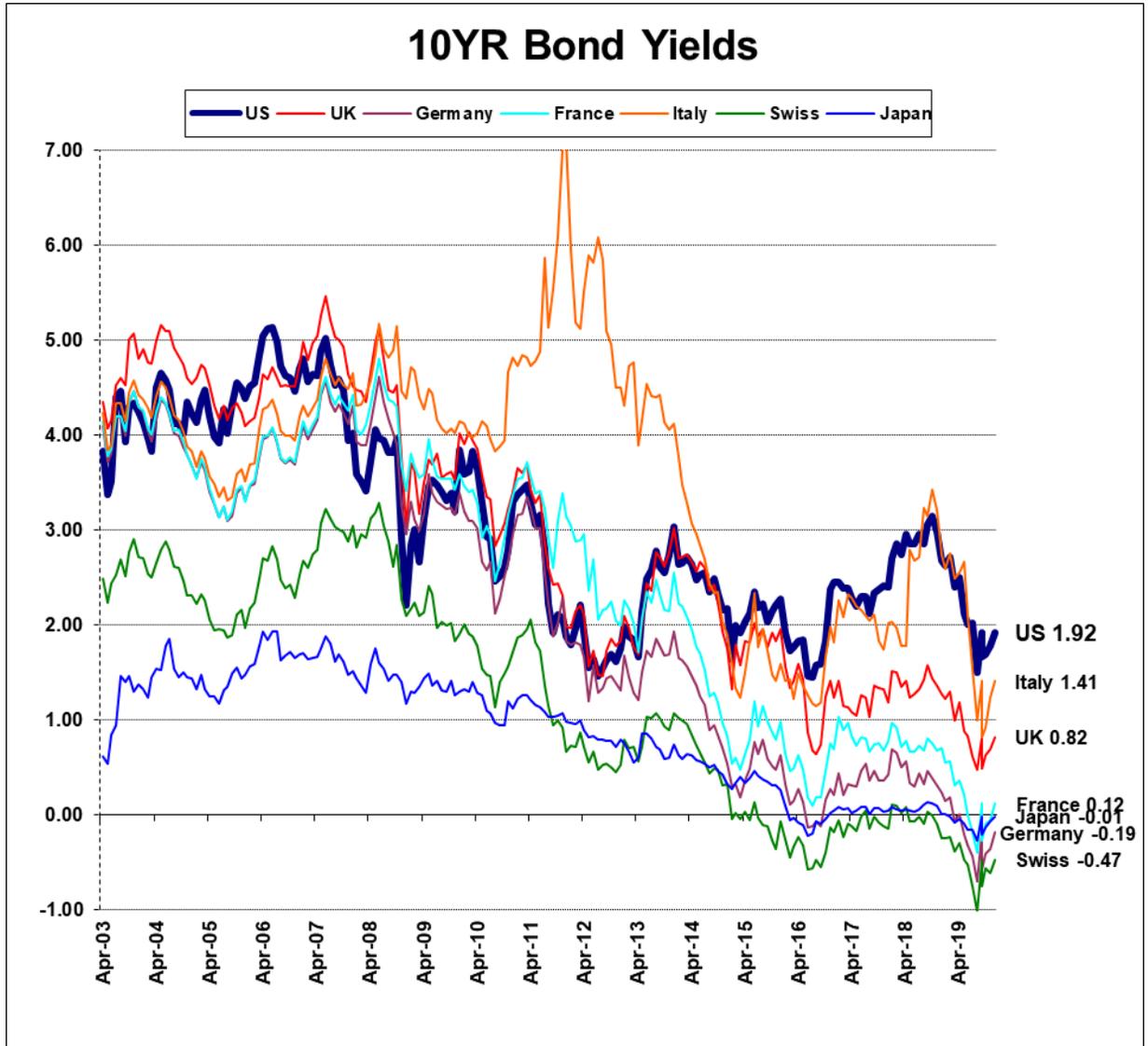


## Corp Profits and SPX Earnings as % of GDP



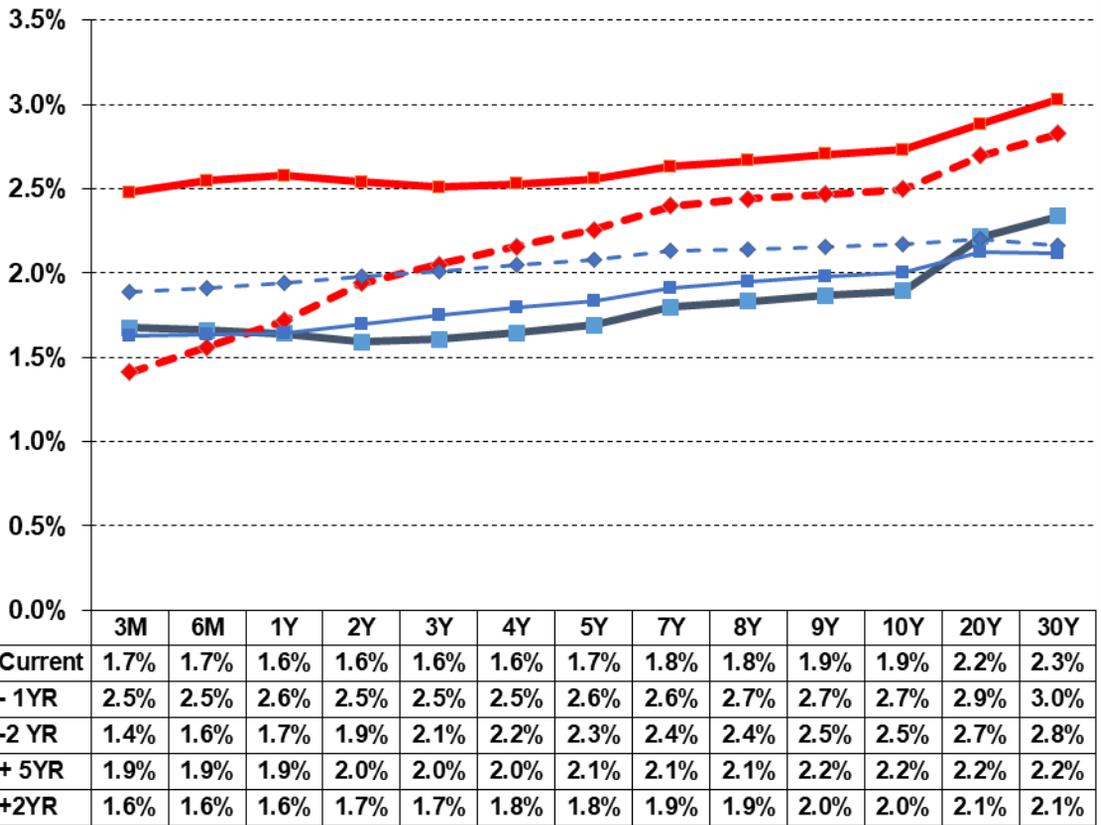
# KEY ISSUE

## HISTORICALLY LOW INTEREST RATES

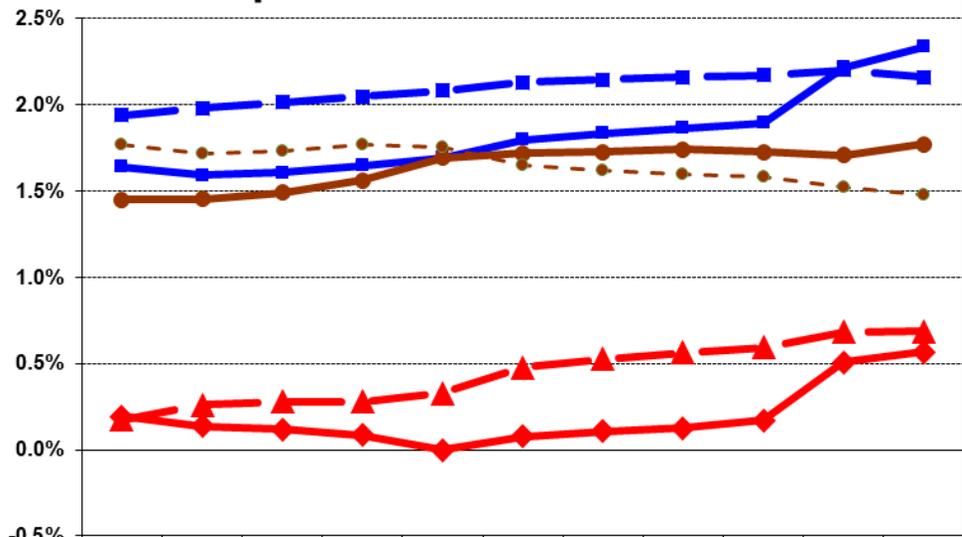


# LOW INTEREST RATES EXPECTED TO BE LONG LASTING

## Past, Current, and Predicted Treasury Yield Curves



## Current and Expected Yield Curves in 5 Yrs



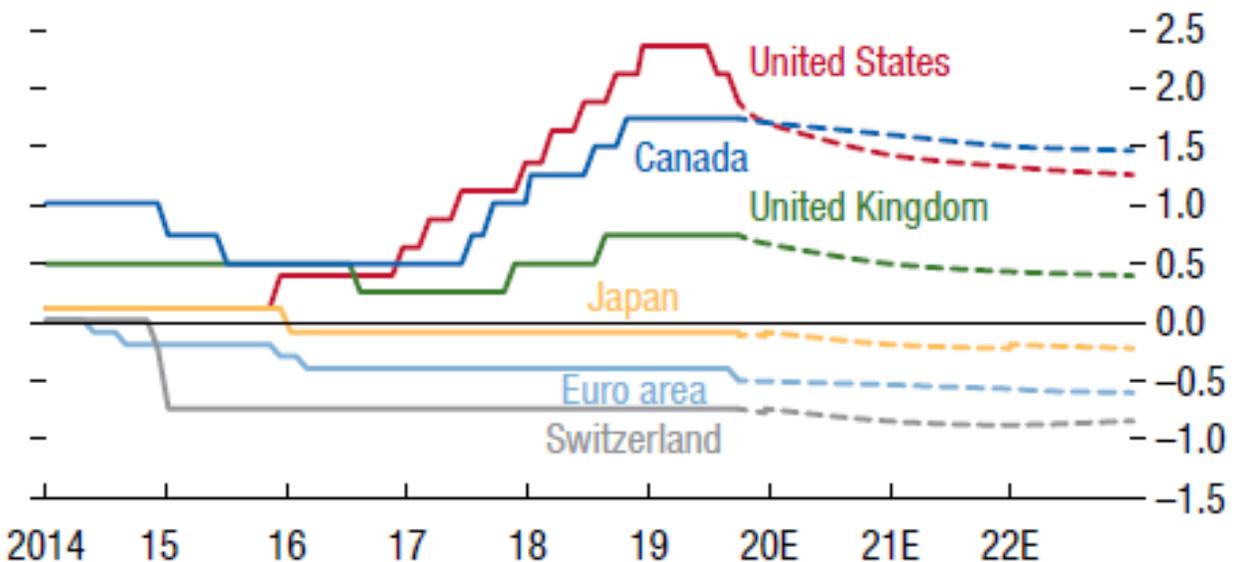
<b>Current TIPS</b>	0.2%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.2%	0.5%	0.6%
<b>Current Treasury</b>	1.6%	1.6%	1.6%	1.6%	1.7%	1.8%	1.8%	1.9%	1.9%	2.2%	2.3%
<b>TIPS in 5</b>	0.2%	0.3%	0.3%	0.3%	0.3%	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%
<b>Treasury in 5</b>	1.9%	2.0%	2.0%	2.0%	2.1%	2.1%	2.1%	2.2%	2.2%	2.2%	2.2%
<b>Current Breakeven</b>	1.4%	1.5%	1.5%	1.6%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.8%
<b>Breakeven in 5</b>	1.8%	1.7%	1.7%	1.8%	1.8%	1.7%	1.6%	1.6%	1.6%	1.5%	1.5%

# REASONS FOR EXPECTATION OF CONTINUED LOW INTEREST RATES

- **DEMOGRAPHICS – SECULAR TREND**
  - **OLDER DEVELOPED MARKET CITIZENRY NEED TO SAVE MORE FOR RETIREMENT**
    - Also spend less
  - **YOUNGER EMERGING MARKET POPULATION HAVE NO SAFETY NET AND NEED TO SAVE MORE**
- **EXCESS SAVINGS DRIVE INTEREST RATES DOWN, INCREASING NEED TO SAVE MORE**
- **SAVINGS HAVE INCREASED FROM 22% OF GLOBAL GDP IN 1980s TO 27% TODAY**

Market pricing suggests that monetary policy will be eased further.

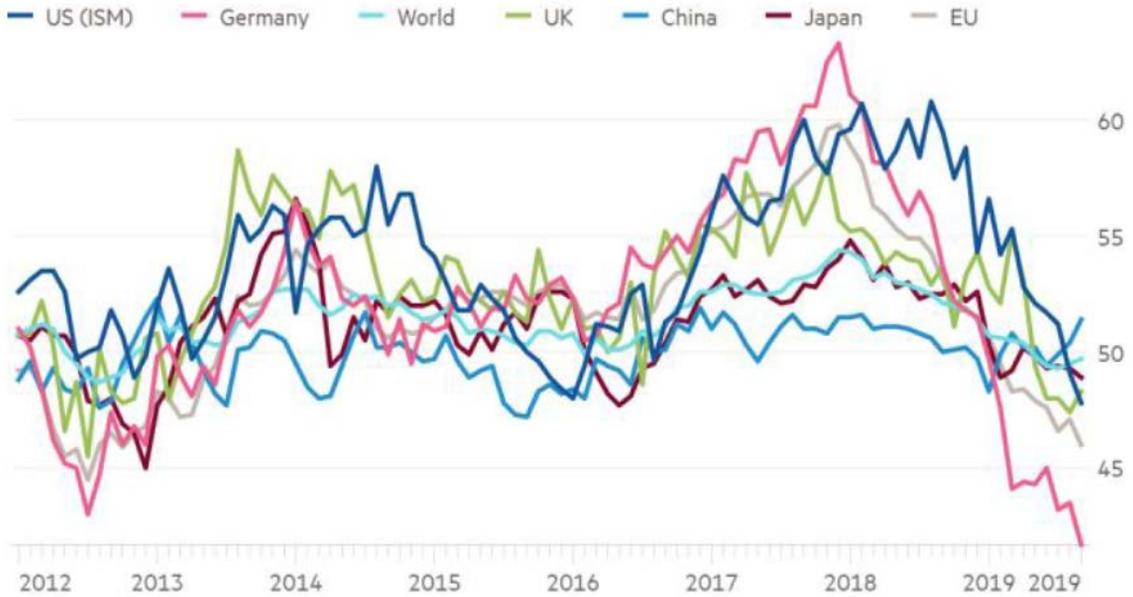
## 4. Actual and Expected Policy Rates (Percent)



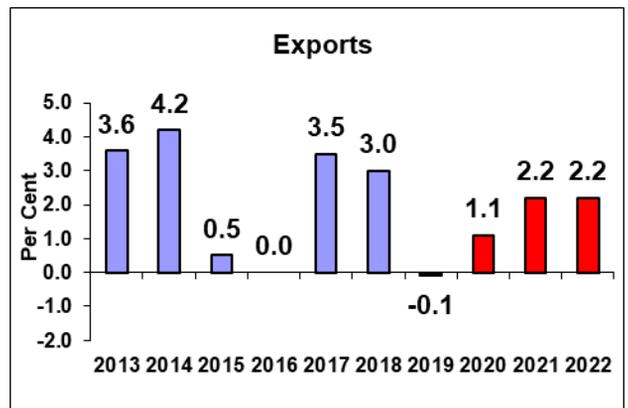
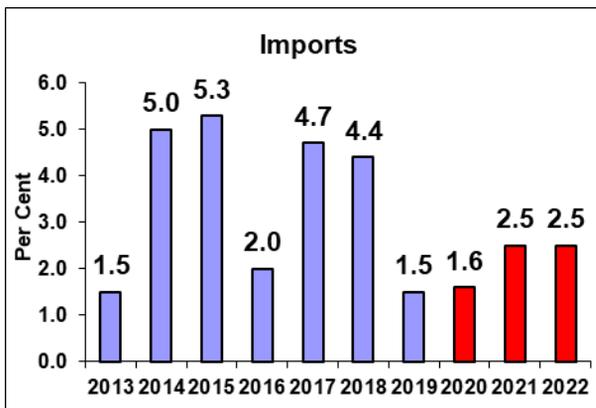
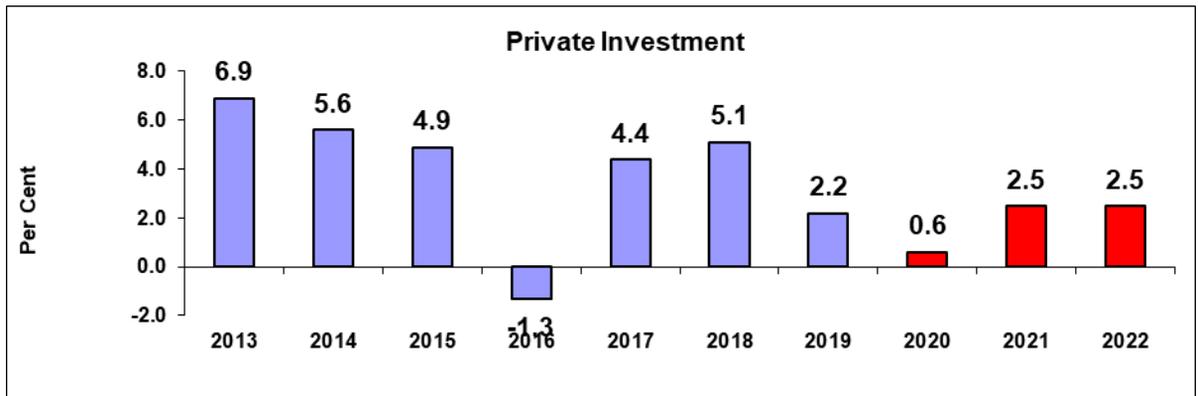
# CONCERN :Trade wars and Manufacturing recession spreading

## Global manufacturing activity has deteriorated

Purchasing manager index, below 50= a majority of businesses reporting a contraction



Sources: Refinitiv, IHS Markit, ISM  
© FT



## CONCERN : DEBT COLLAPSE BY ZOMBIE COMPANIES

### The October 2019 *Global Financial Stability Report at a Glance*

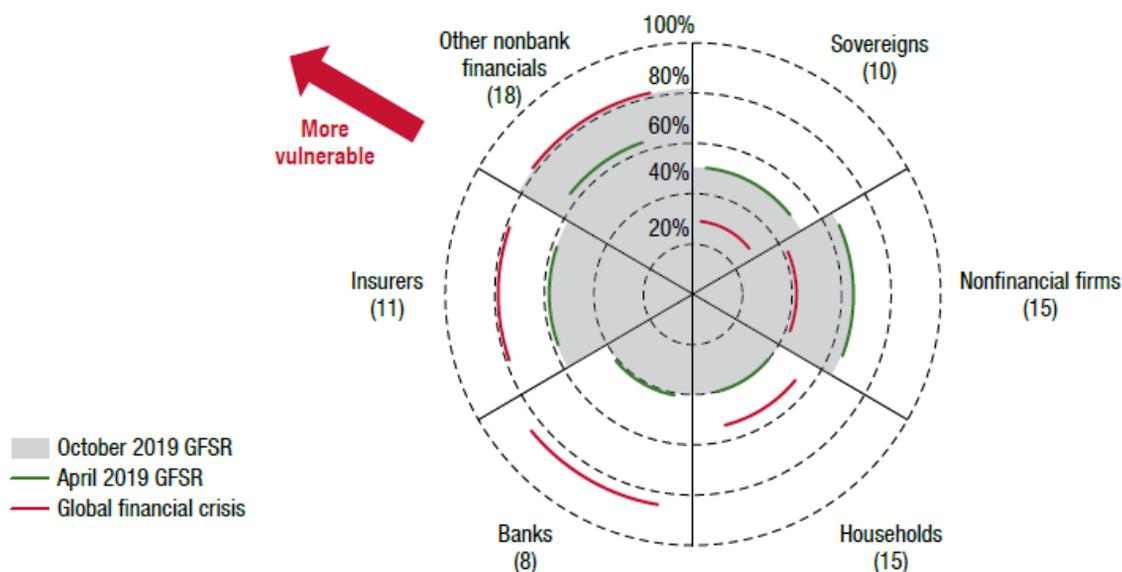
#### Key Vulnerabilities in the Global Financial System

- Rising corporate debt burdens
- Increasing holdings of riskier and more illiquid assets by institutional investors
- Greater reliance on external borrowing by emerging and frontier market economies

“In a material economic slowdown scenario, half as severe as the global financial crisis, corporate debt-at-risk (debt owned by firms that are unable to cover their interest expenses with their earnings) could rise to \$19 trillion – or nearly 40% of total corporate debt in major economies – above crisis levels”

IMF Global Financial Stability Report – “Lower for Longer” Oct 2019 at p. ix

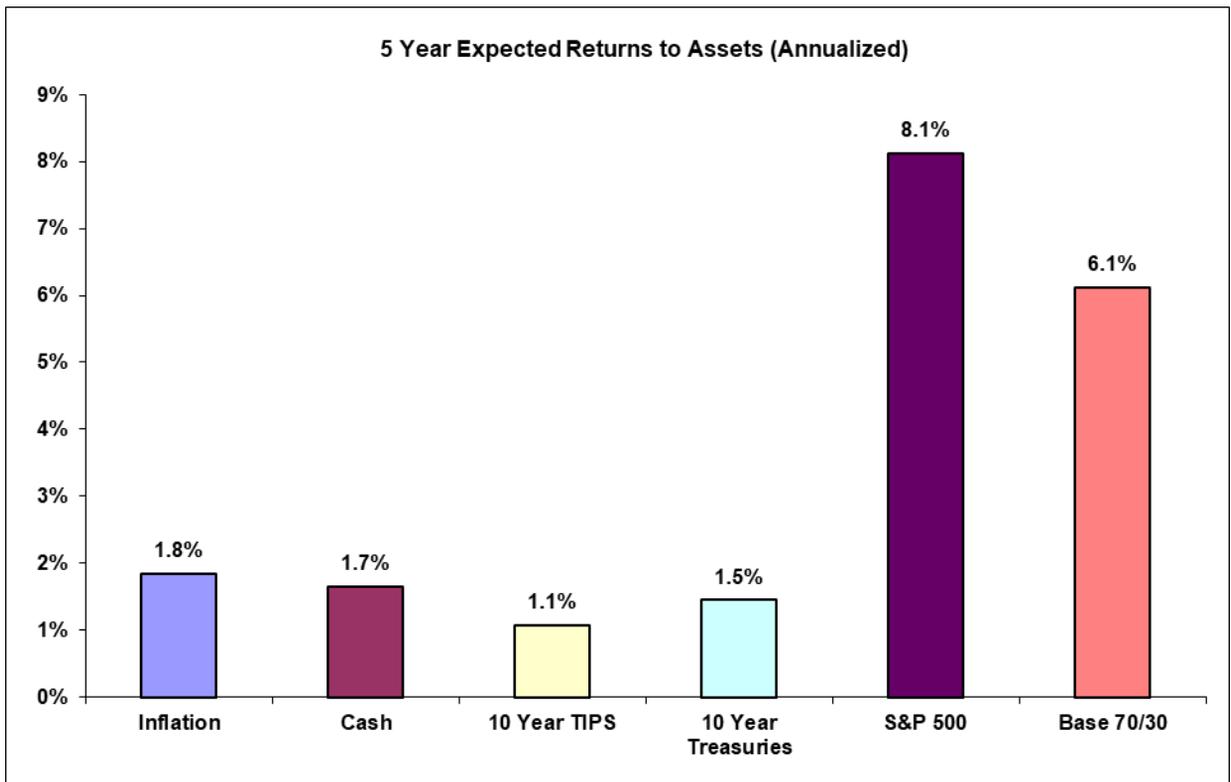
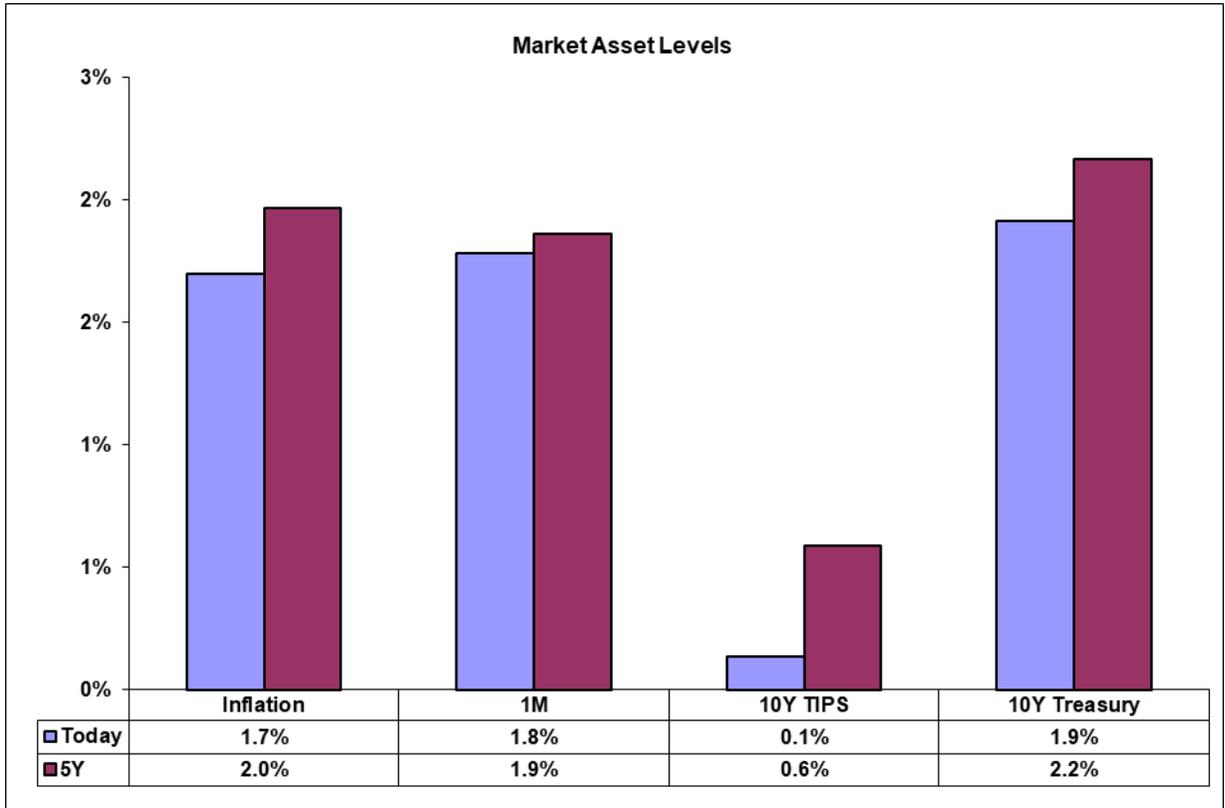
1. Proportion of Systemically Important Economies with Elevated Vulnerabilities, by Sector  
(Percent of countries with high and medium-high vulnerabilities, by GDP [assets for banks]; number of countries in parentheses)



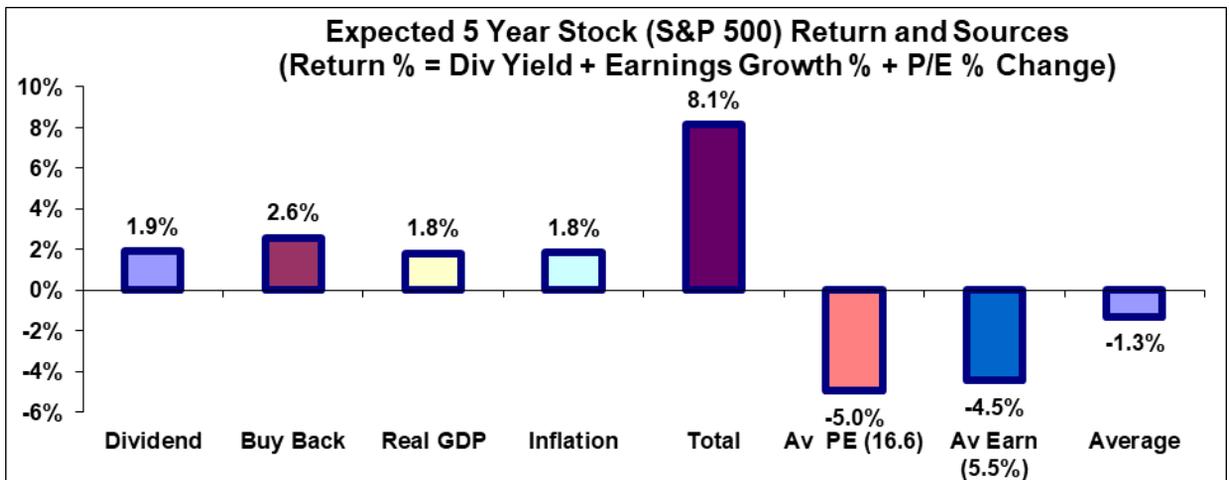
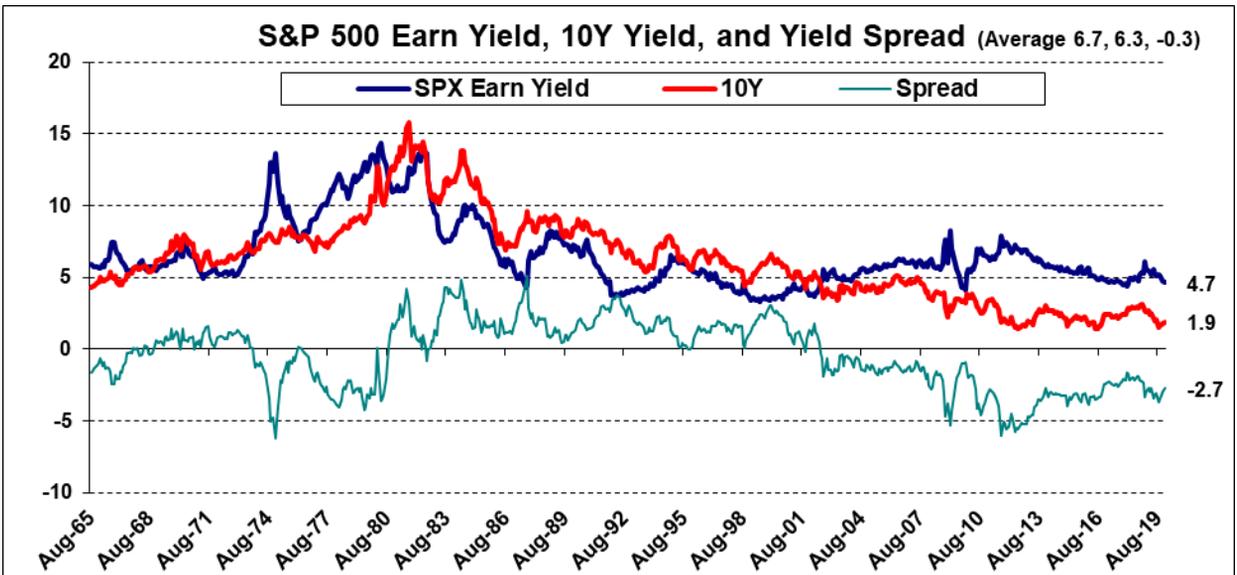
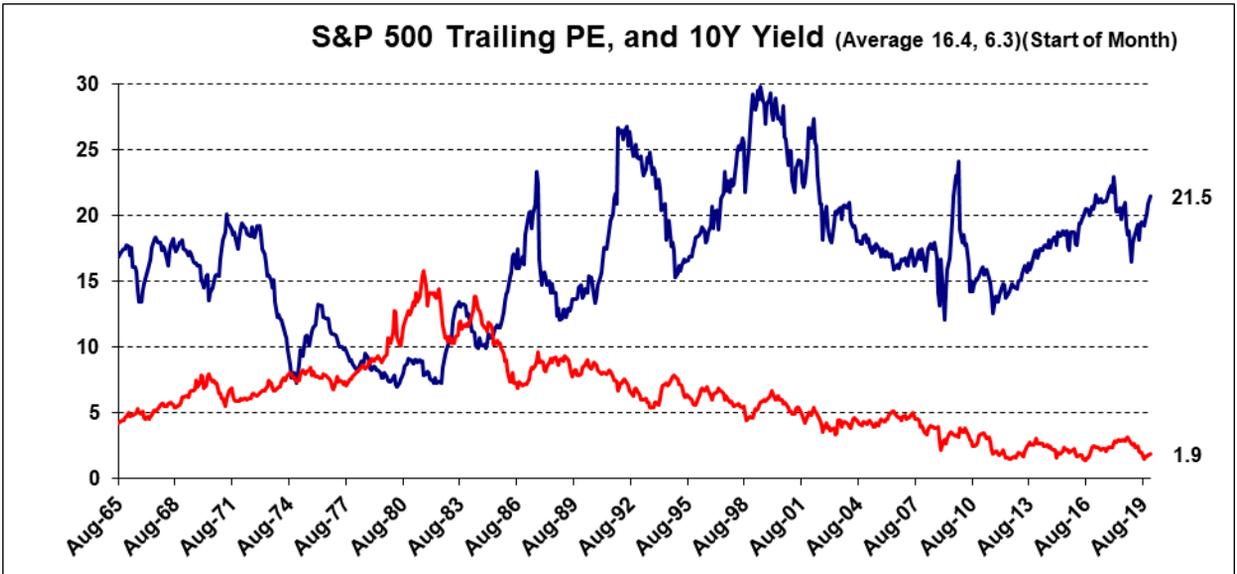
**Non financial firms, other non bank financials, and sovereigns relatively more vulnerable that at the global financial crisis**

**Banks, Insurers, and households less vulnerable**

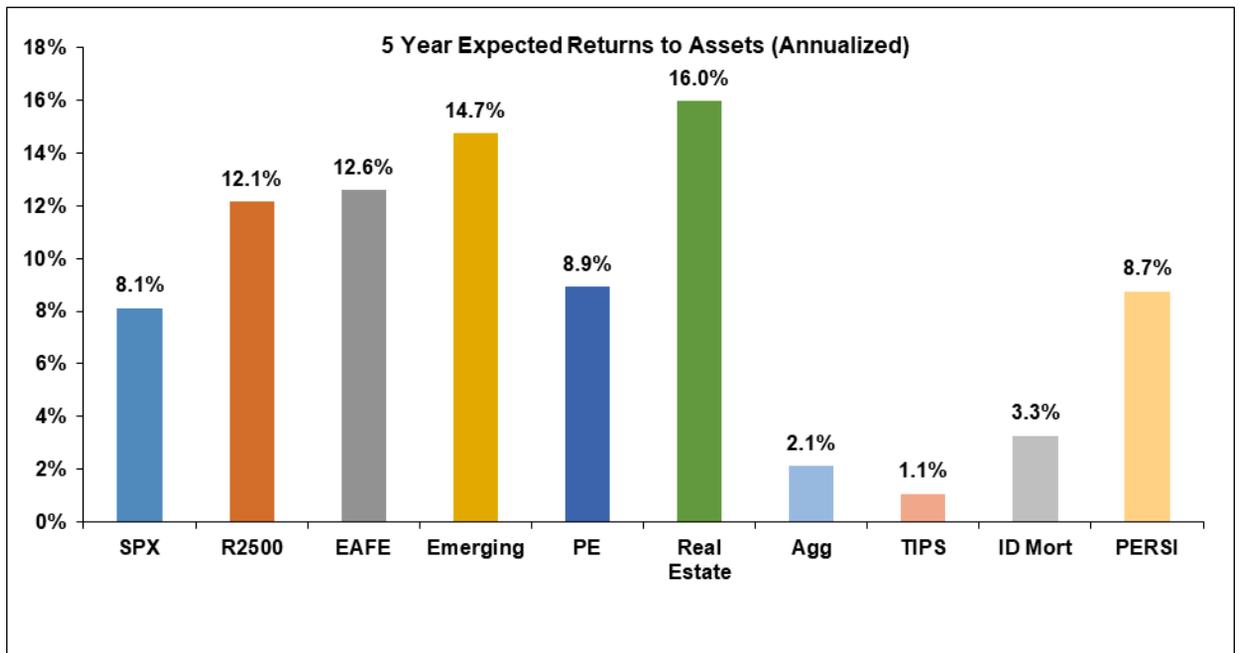
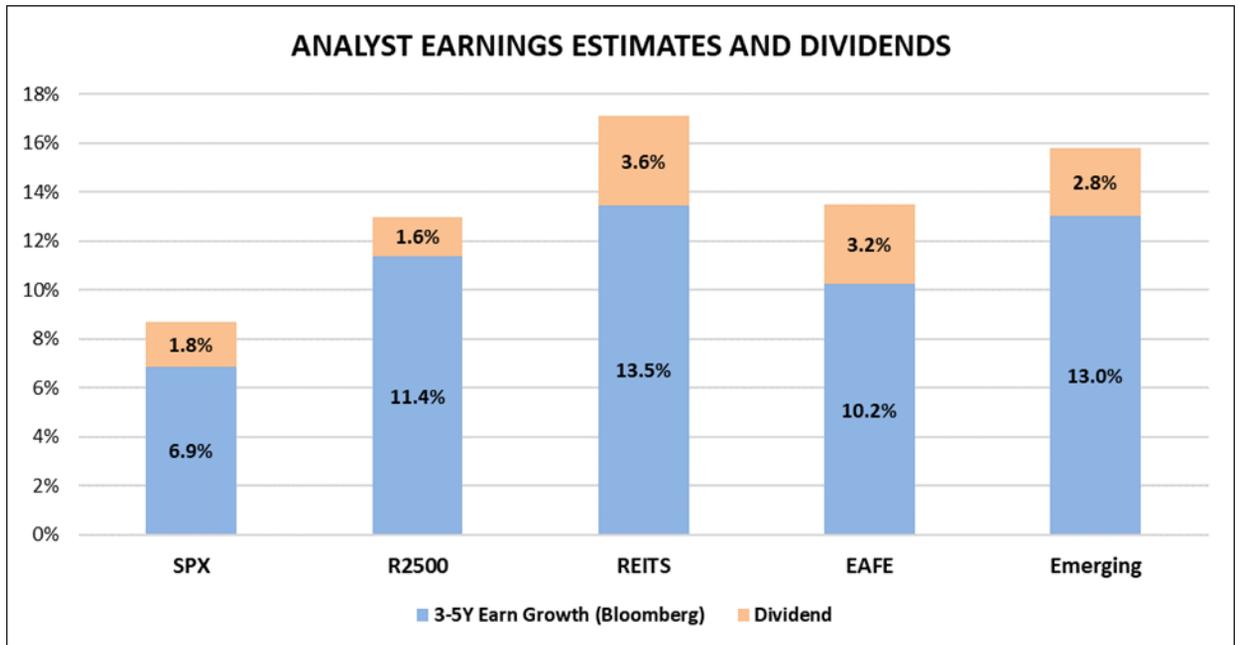
# BONDS 1-2% RETURN



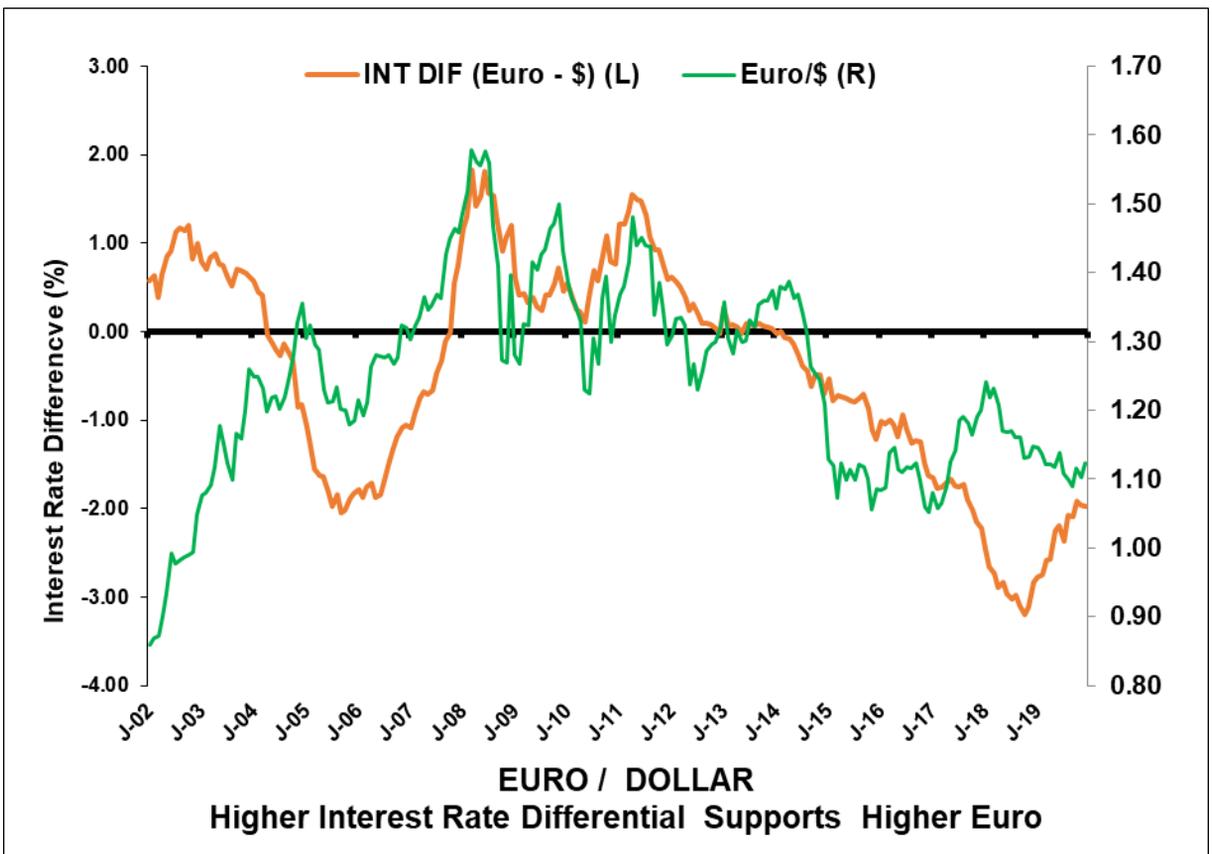
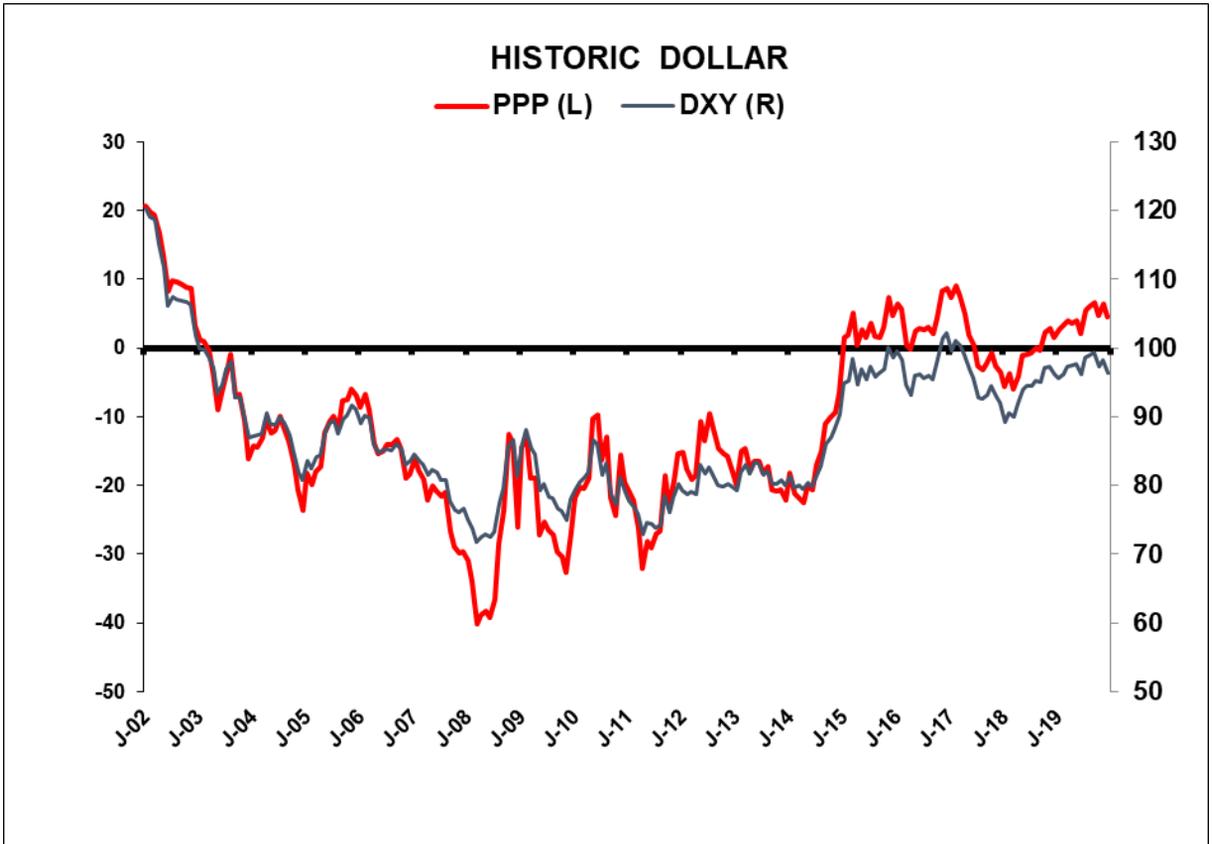
# LOW INTEREST RATES SUPPORT STOCK AND OTHER VALUATIONS



# SMALL CAP, REAL ESTATE, AND INTERNATIONAL EXPECTED TO OUTPERFORM S&P 500 (US LARGE CAP)



# DOLLAR AROUND FAIR VALUE



# NO APPARENT BUBBLES

