

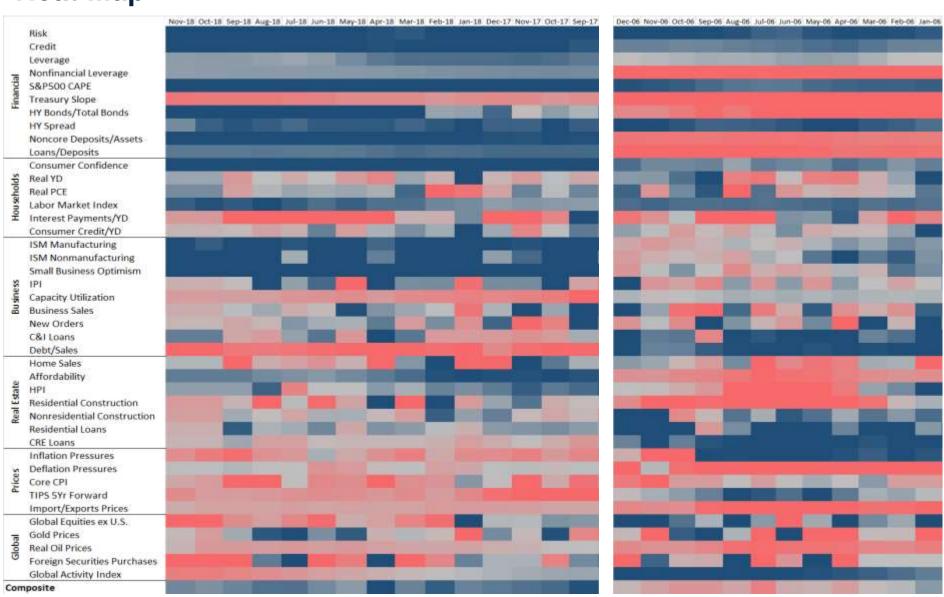
Highlights

- The probability of a recession is increasing
- Correction in financial markets as participants adjust monetary policy and growth expectations
- Treasury yield curve continues flattening
- Increase in corporate spreads highlight downside risks from elevated nonfinancial business leverage
- Economic fundamentals for households and financial institutions remain solid
- Downside risks from weaker global growth and increased global risk aversion



Heat Map

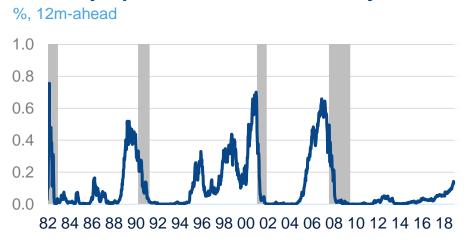




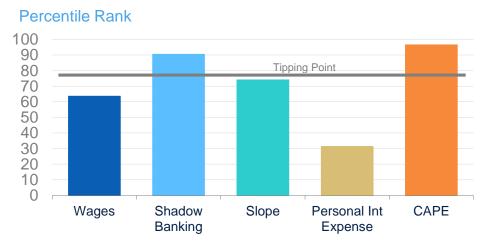


BBVA U.S. Recession Probability

Treasury Spread Term-Premium Adjusted

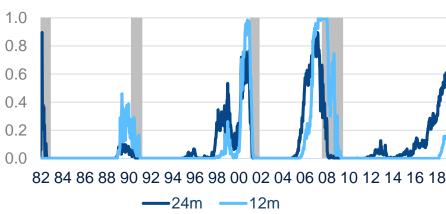


Risk Factors



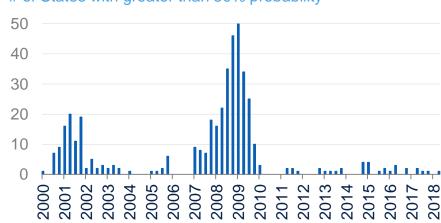
Factor Model





Regional Conditions

of States with greater than 50% probability



Source: BBVA Research



Recession Probability Models and Surveys

Treasury Spread



Credit Spread



Dynamic-Factor Markov-Switching



Survey of Professional Forecasters







Credit Cycle and Recession Timing Indexes

Risk of systemic crisis remains low. No imminent risk of recession

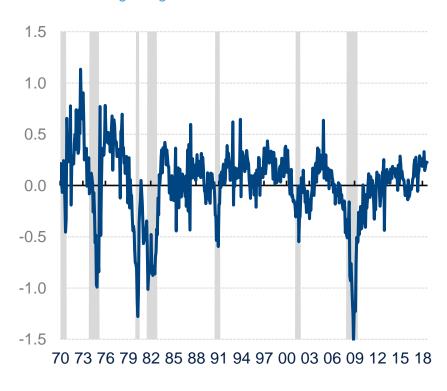
BBVA U.S. Credit Cycle Risk Index

Above 0 = above average risk



BBVA U.S. Recession Timing Index

Above 0 = longer lag to recession



Source: BBVA Research and Haver

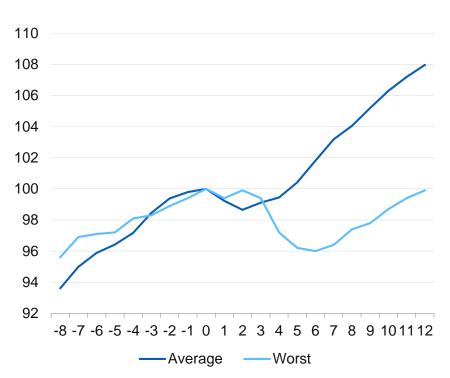


Scenarios

A slow U-shape recovery is more likely under less effective monetary and fiscal response

Real GDP Growth During Recessions

Index = 100 cycle peak, 0 = start of downturn, quarters

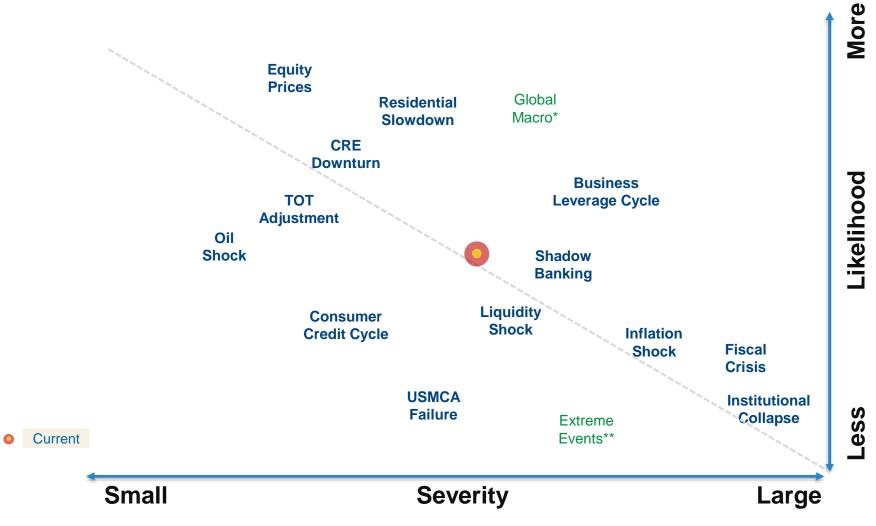


Outcome	Probability	t	t+1
No recession	60%	2.1 (Average)	
Recession	40%	-0.7	1.8
Systemic	2%	-1.7	-0.6

Source: BBVA Research



Risk Matrix



Source: BBVA Research; This assessment is not static and can change significantly depending on future developments

^{*} Includes macroeconomic conditions in China, Euro Area, Brexit, Emerging Markets ** Includes non-economic factors: Climate, Cybersecurity, Pandemic, Terrorism, Migration, etc.

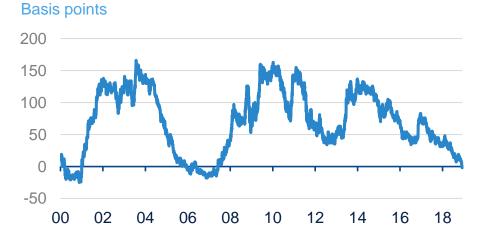


Financial Markets

Financial Stress Indicators

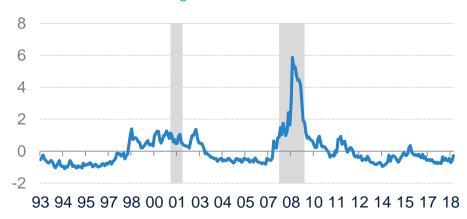


Treasury Yield Curve 5Y Minus 2Y

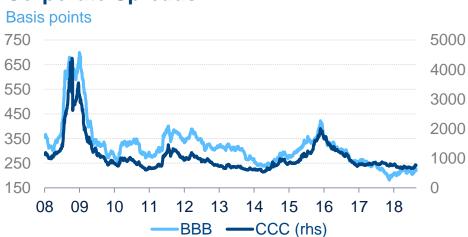


Financial Stress Index





Corporate Spreads

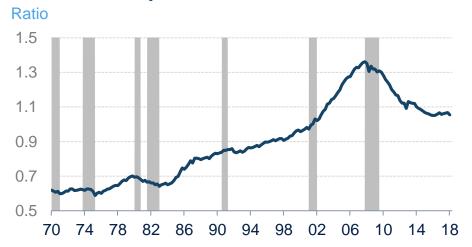


Source: BBVA Research, OFR, KC Fed, R. Shiller, ICE and Haver

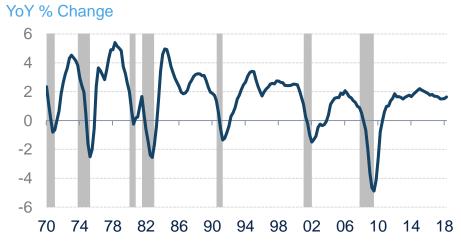


Households

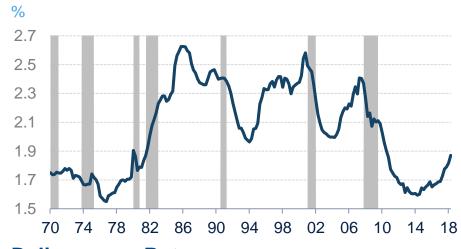
Liabilities/Disposable Income



Nonfarm Payroll



Interest Payments/Personal Income



Delinquency Rate



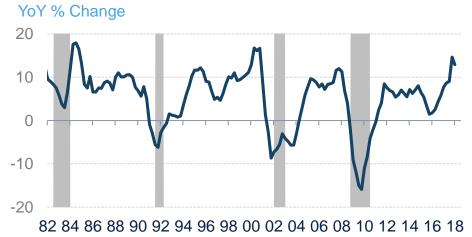


Businesses

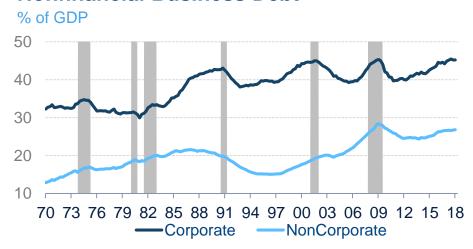
Nonfinancial Corporate Profits



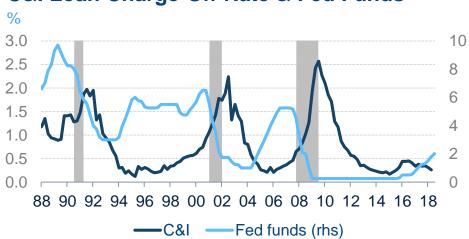
Nonfinancial Corporate Short-term Liabilities



Nonfinancial Business Debt



C&I Loan Charge-Off Rate & Fed Funds



Source: BBVA Research, Federal Reserve, BEA and Haver



Real Estate

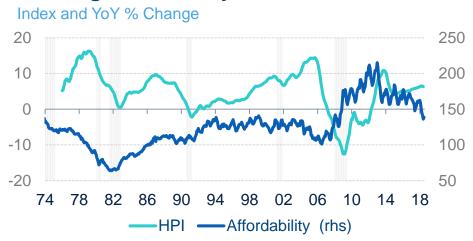
Housing Starts and New Home Sales



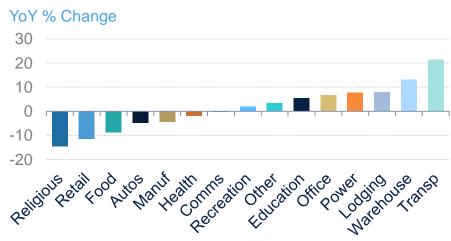
BBVA Real Estate Prices Misalignment



Housing Affordability and Prices



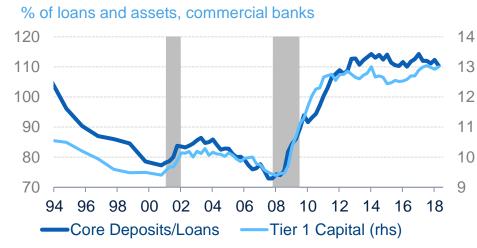
Nonresidential Construction



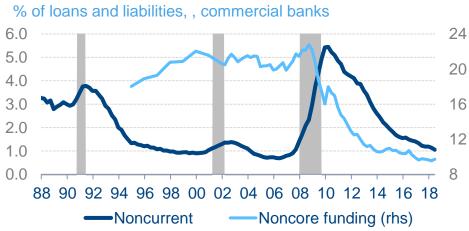


Financial Sector

Deposits and Capital Ratios



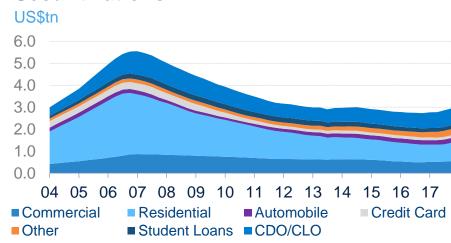
Noncurrent Loans and Funding



Loan Reserves



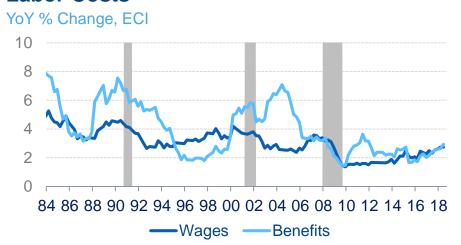
Securitizations





Prices

Labor Costs



Market Inflation Expectations

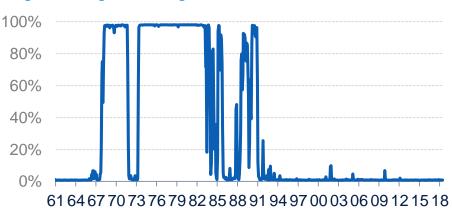


Nonlabor Costs per Unit of Real GDP



BBVA U.S. Inflation Regime Probability

Regime change low to high





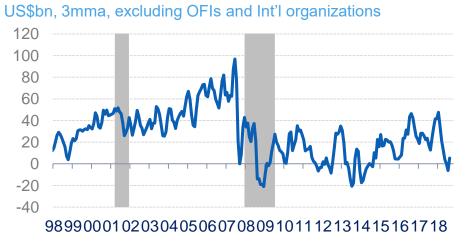
Global Conditions

Advanced Economies Financial Stress



00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18

Net Foreign Purchases of U.S. Securities

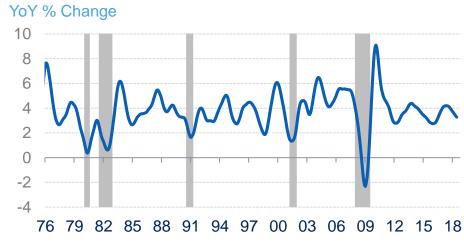


Emerging Markets Financial Stress



00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18

Global Activity Leading Indicator





For more information

Recent economic briefs and presentations:

All things come to an end, but is the U.S. headed for recession?

Corporate debt in the twilight of the credit cycle

Just what the doctor ordered: real-time recession forecasts

Recession risk monitor 4Q18



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