

# Chart Collection for Morning Briefing

Yardeni Research, Inc.

*May 16, 2022*

**Dr. Edward Yardeni**

516-972-7683  
eyardeni@yardeni.com

**Mali Quintana**

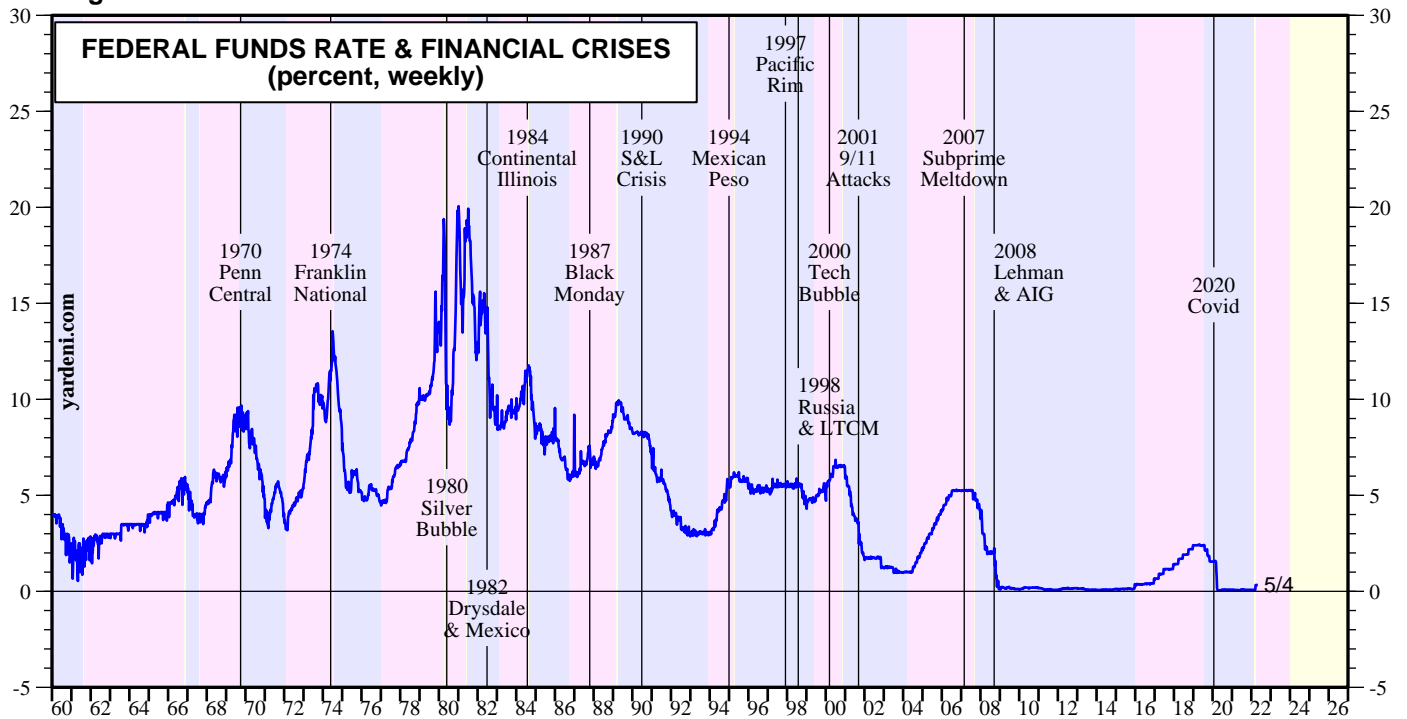
480-664-1333  
aquintana@yardeni.com

Please visit our sites at  
[www.yardeni.com](http://www.yardeni.com)  
[blog.yardeni.com](http://blog.yardeni.com)



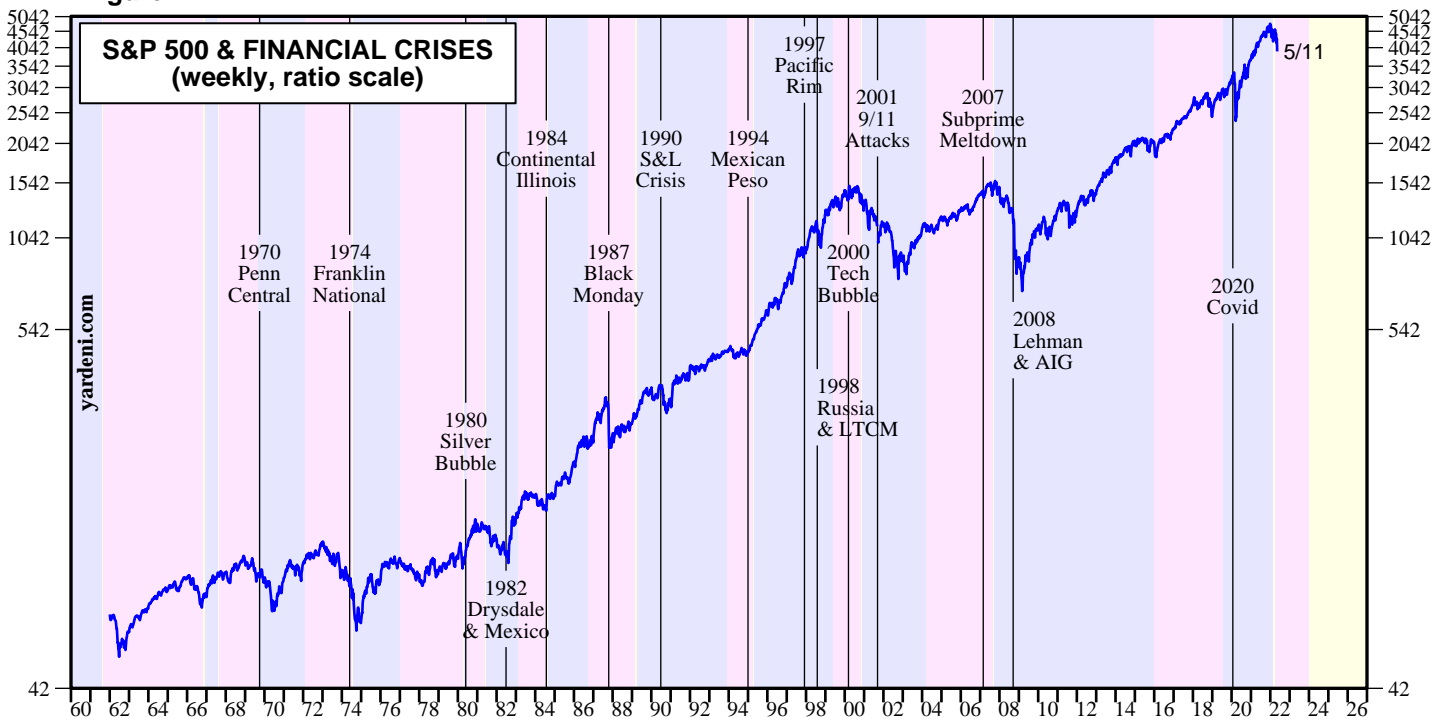
*thinking outside the box*

**Figure 1.**



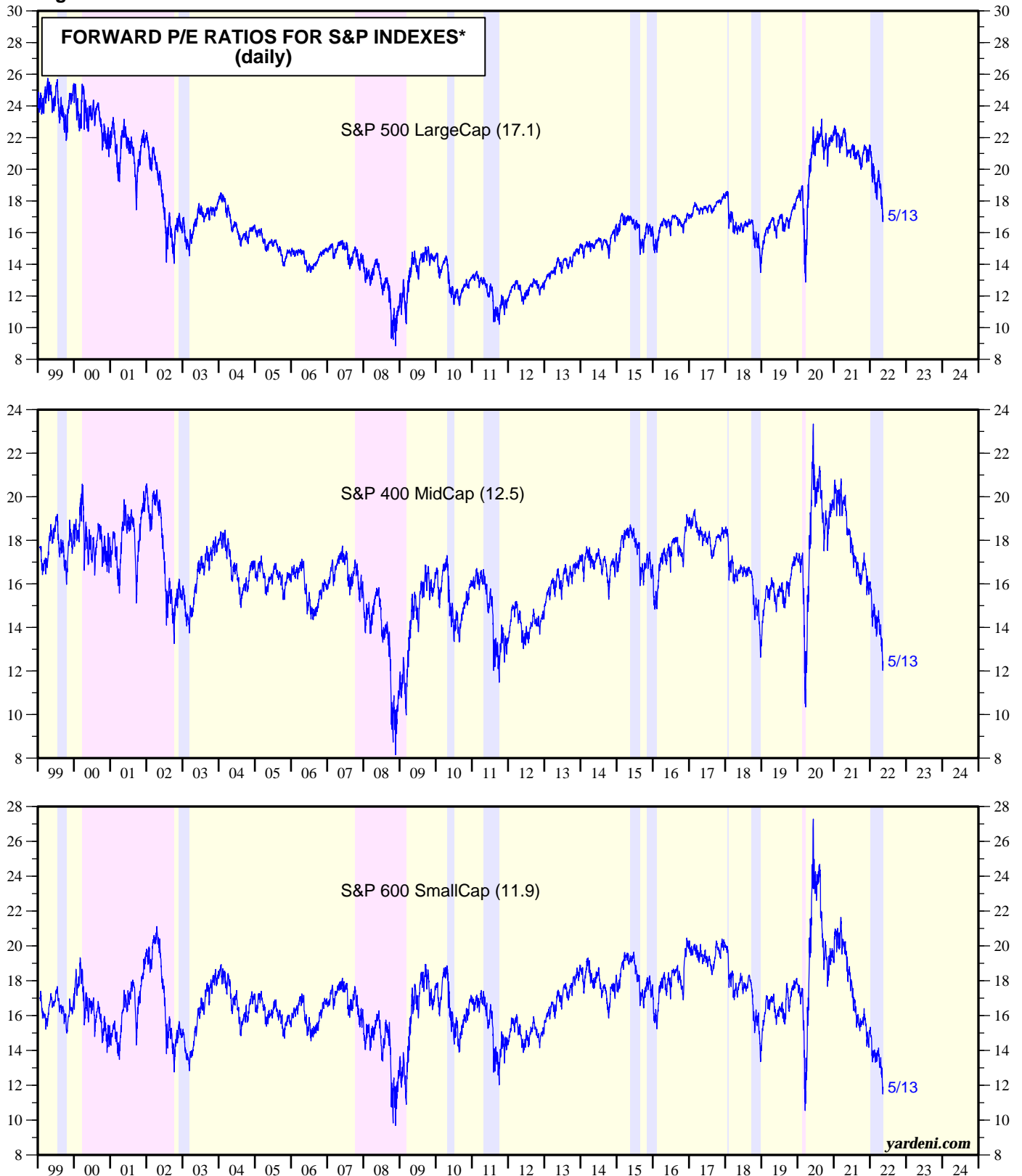
Note: Blue shaded areas are periods of monetary easing between cyclical peaks and troughs in the federal funds rate. Red shaded areas are monetary tightening periods.  
Source: Federal Reserve Board.

**Figure 2.**



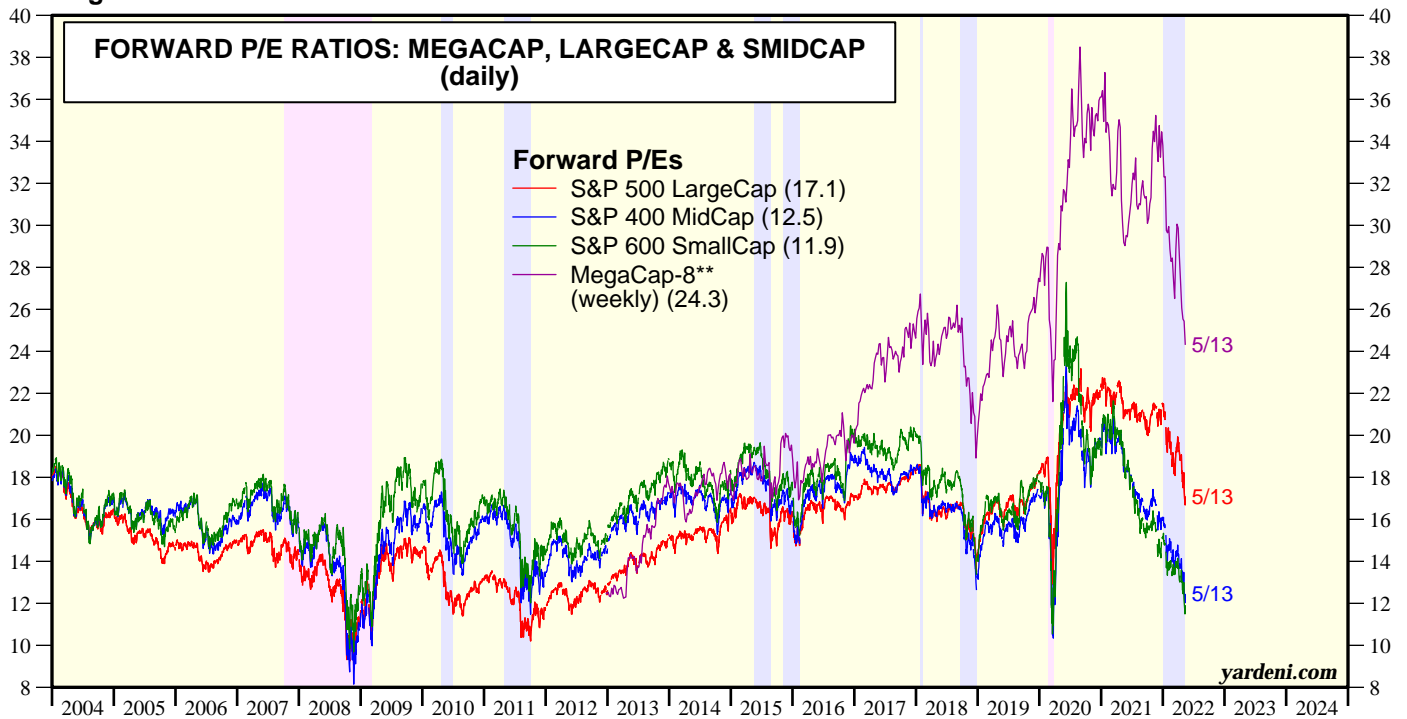
Note: Blue shaded areas are periods of monetary easing between cyclical peaks and troughs in the federal funds rate. Red shaded areas are monetary tightening periods.  
Source: Federal Reserve Board and Standard & Poor's.

**Figure 3.**



\* Price divided by 52-week forward consensus expected operating earnings per share.  
 Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Blue shaded areas are correction declines of 10% to less than 20%.  
 Yellow areas are bull markets.  
 Source: I/B/E/S data by Refinitiv and Standard & Poor's.

Figure 4.

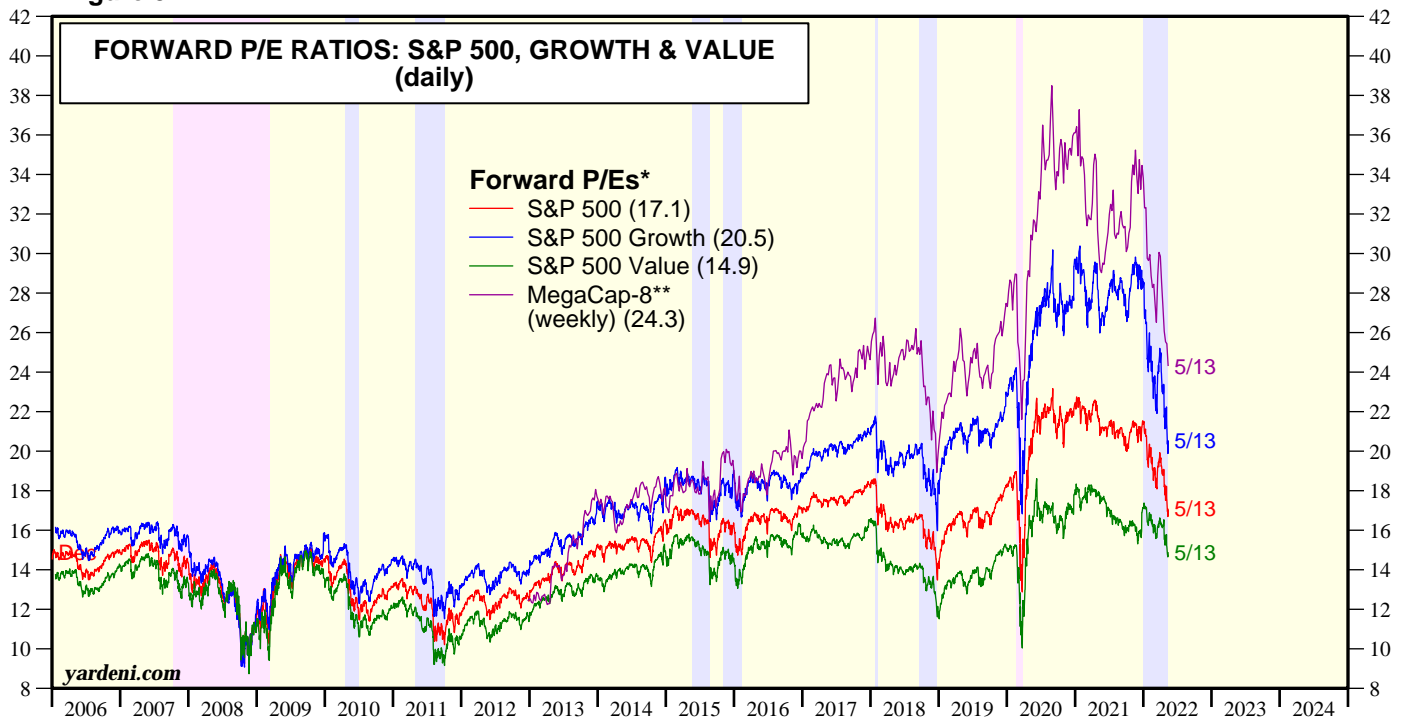


\* Daily stock price index divided by 52-week forward consensus expected operating earnings per share.

\*\* MegaCap-8 stocks include Alphabet (Google), Amazon, Apple, Meta (Facebook), Microsoft, Netflix, NVIDIA, and Tesla. Both classes of Alphabet are included.

Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Blue shaded areas are correction declines of 10% to less than 20%. Yellow areas are bull markets. Source: I/B/E/S data by Refinitiv and Standard & Poor's.

Figure 5.

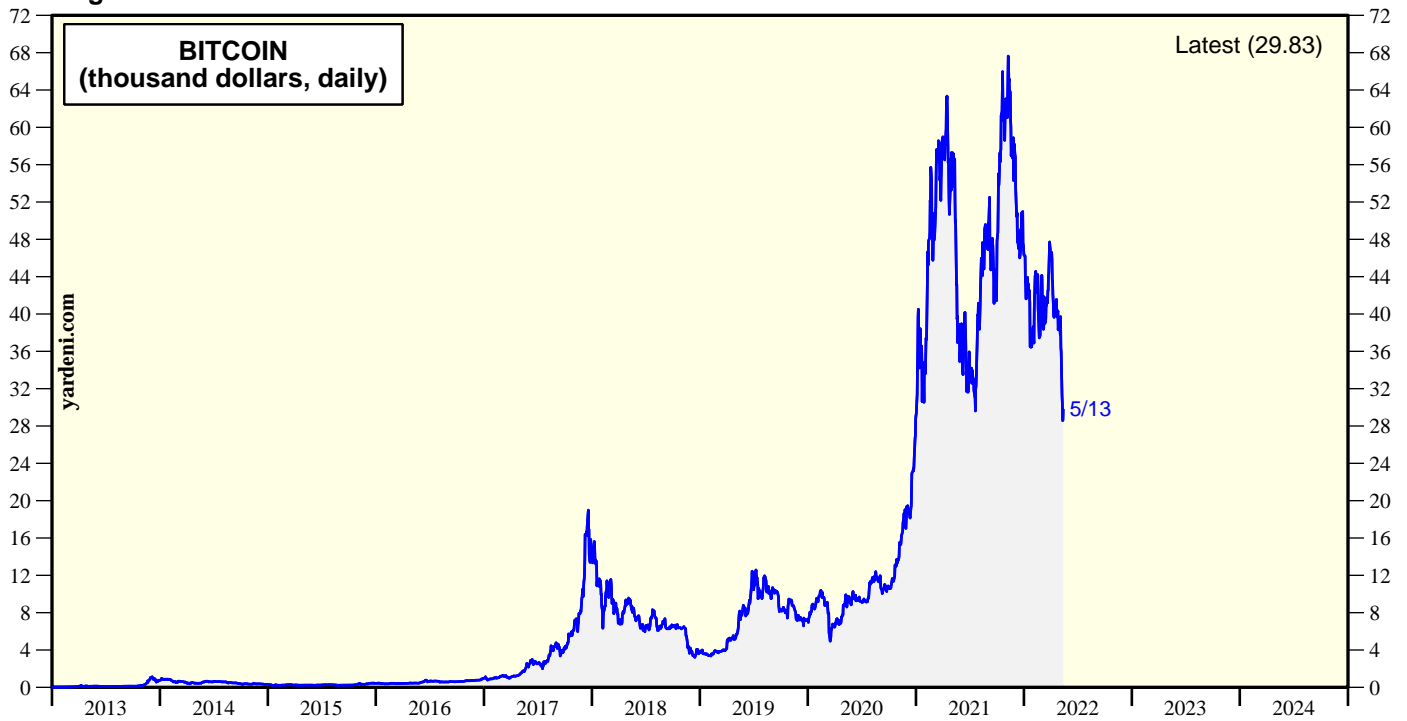


\* Price divided by 12-month forward consensus expected operating earnings per share. Monthly through December 2005, weekly and daily thereafter.

\*\* MegaCap-8 stocks include Alphabet (Google), Amazon, Apple, Meta (Facebook), Microsoft, Netflix, NVIDIA, and Tesla. Both classes of Alphabet are included.

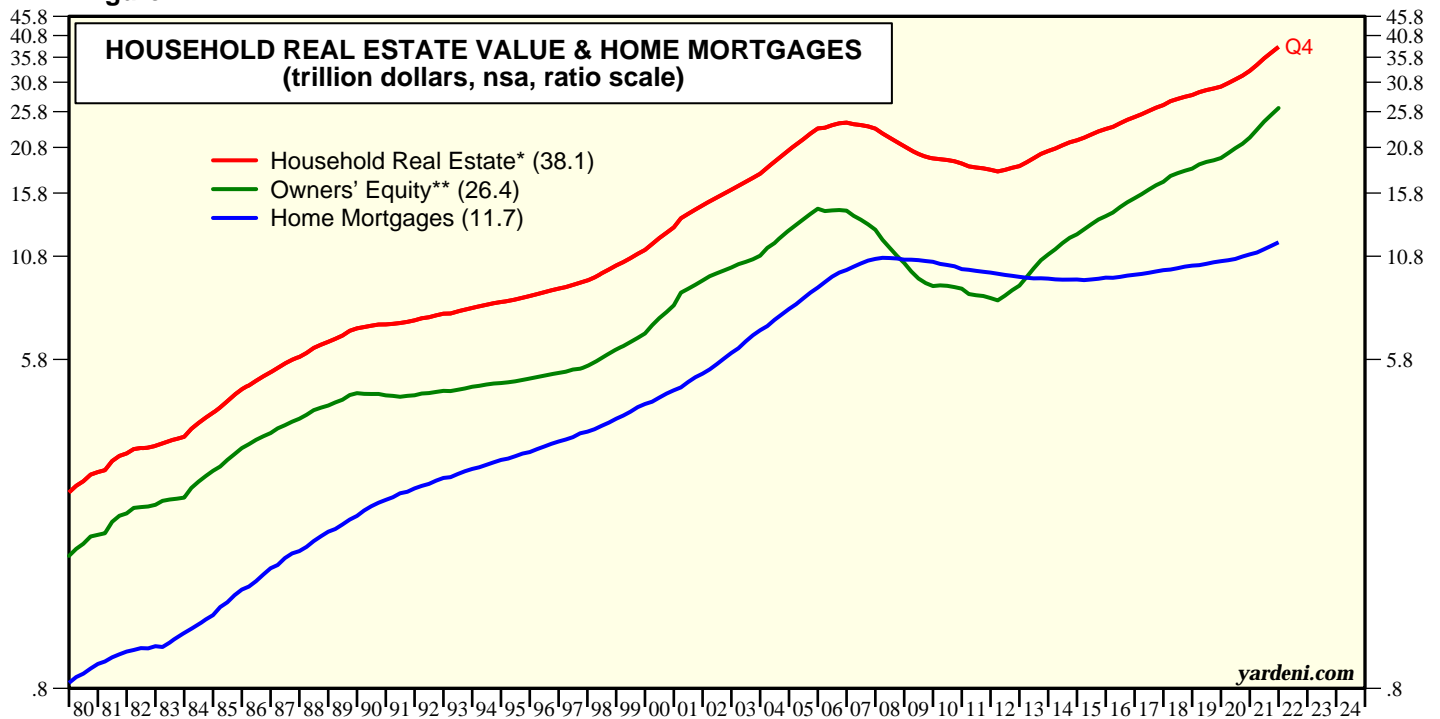
Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Blue shaded areas are correction declines of 10% to less than 20%. Source: I/B/E/S data by Refinitiv and Standard & Pooers.

Figure 6.



Source: CoinDesk and Haver Analytics.

Figure 7.

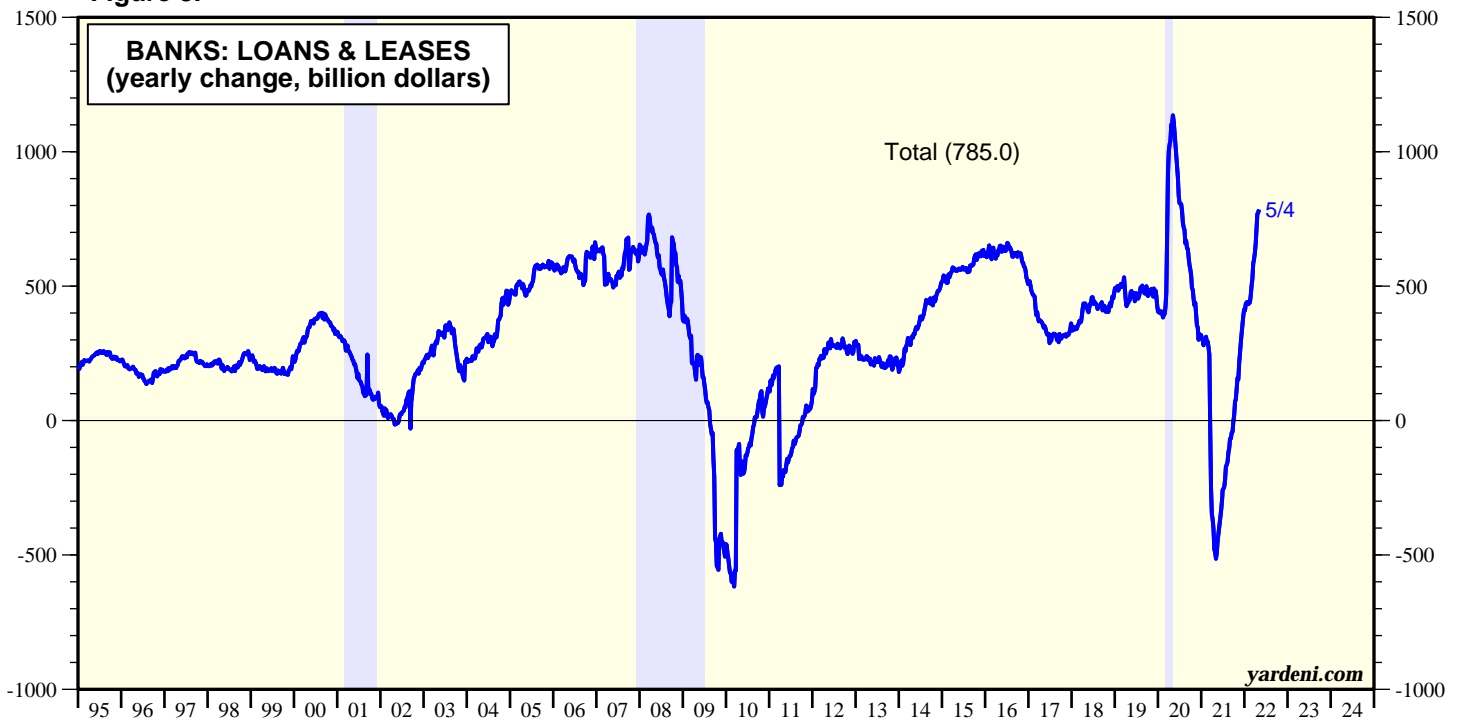


\* Total market value of real estate held by households. All types of owner-occupied housing including farm houses and mobile homes, as well as second homes that are not rented, vacant homes for sale, and vacant land.

\*\* Value of household real estate minus home mortgages.

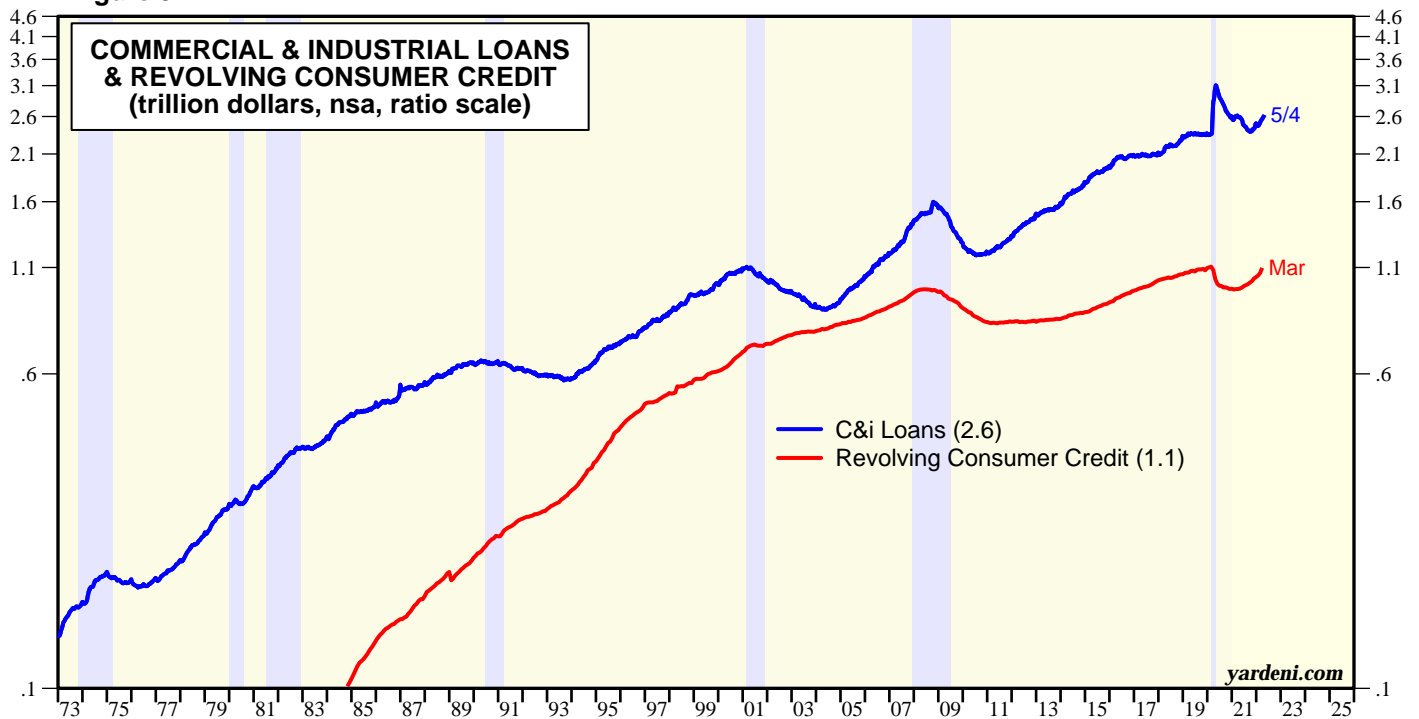
Source: Federal Reserve Board Financial Accounts of the United States.

**Figure 8.**



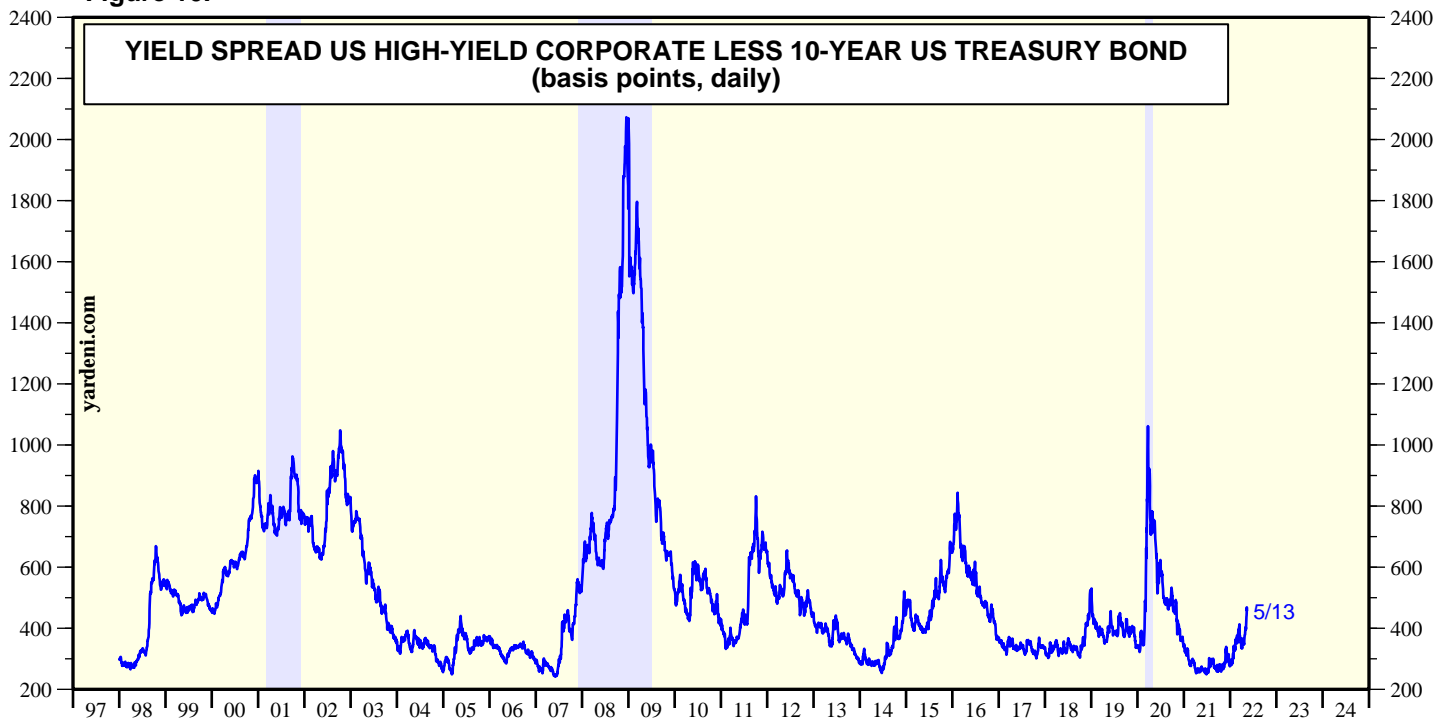
Source: Federal Reserve Board.

**Figure 9.**



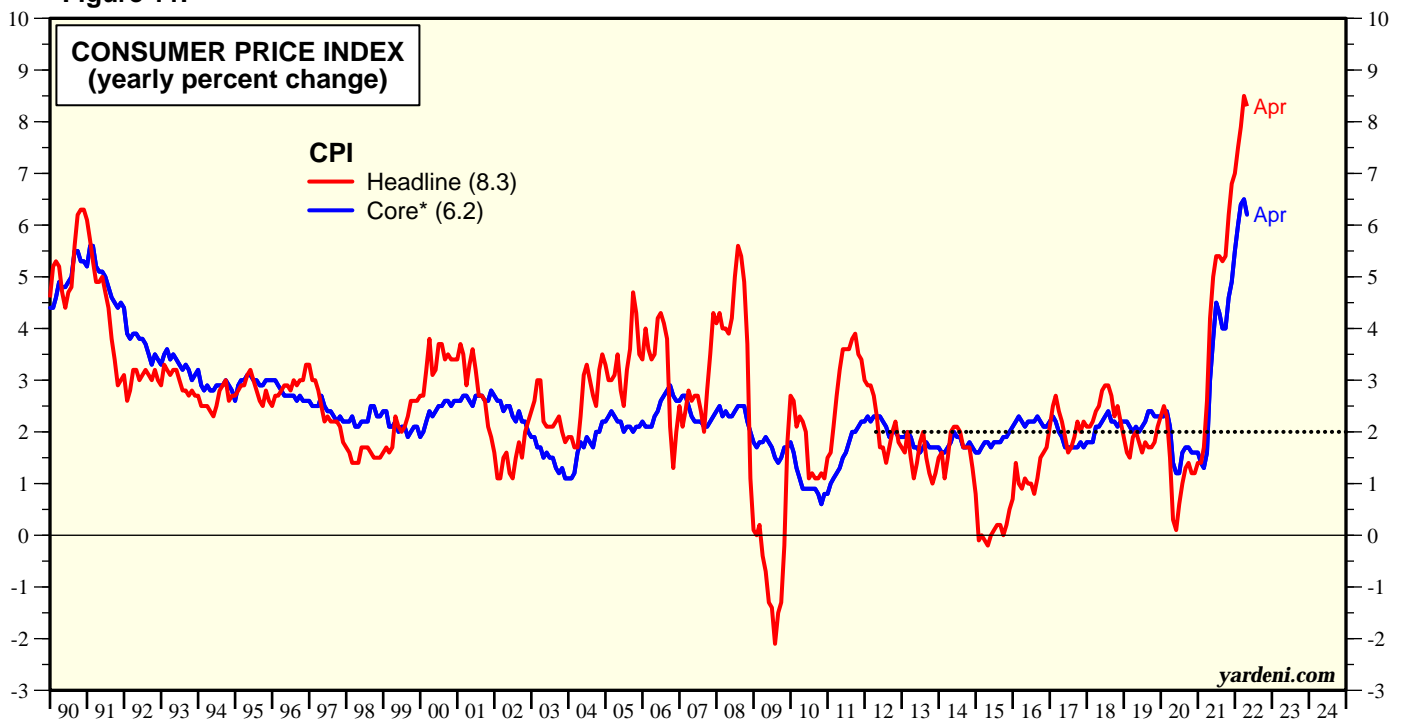
Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
Source: Federal Reserve Board.

**Figure 10.**



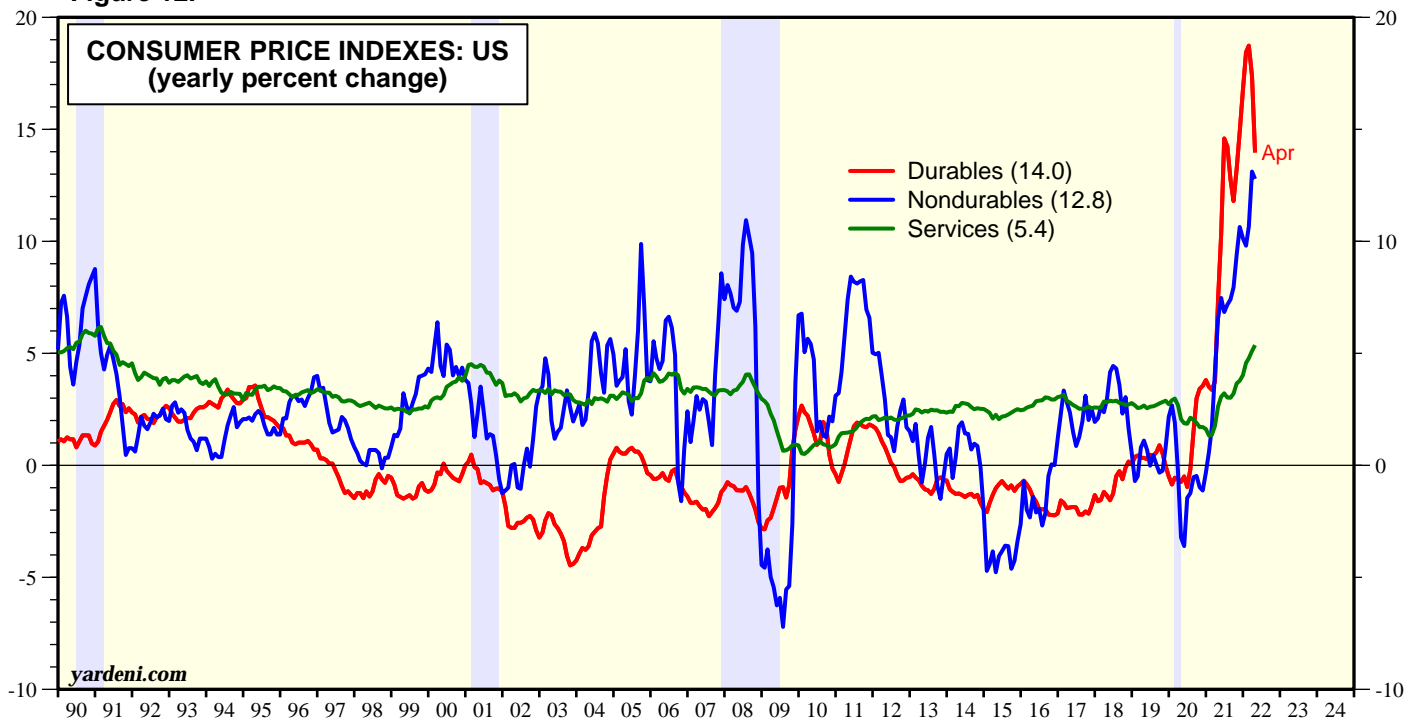
Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
Source: Bank of America Merrill Lynch and Federal Reserve Board.

**Figure 11.**



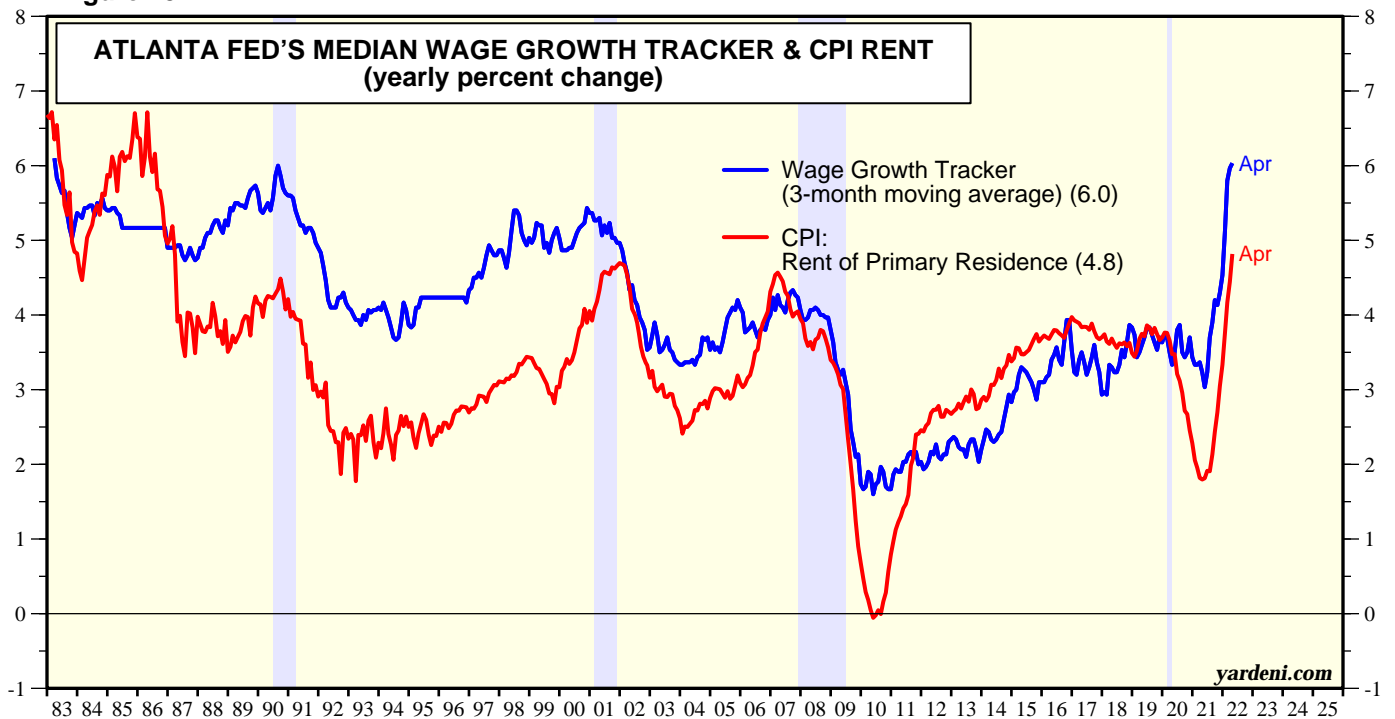
\* Excluding food and energy prices.  
Note: Dotted line is the Fed's official 2% inflation target for the personal consumption expenditures deflator measure of inflation.  
Source: Bureau of Labor Statistics.

Figure 12.



Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
 Source: Bureau of Labor Statistics.

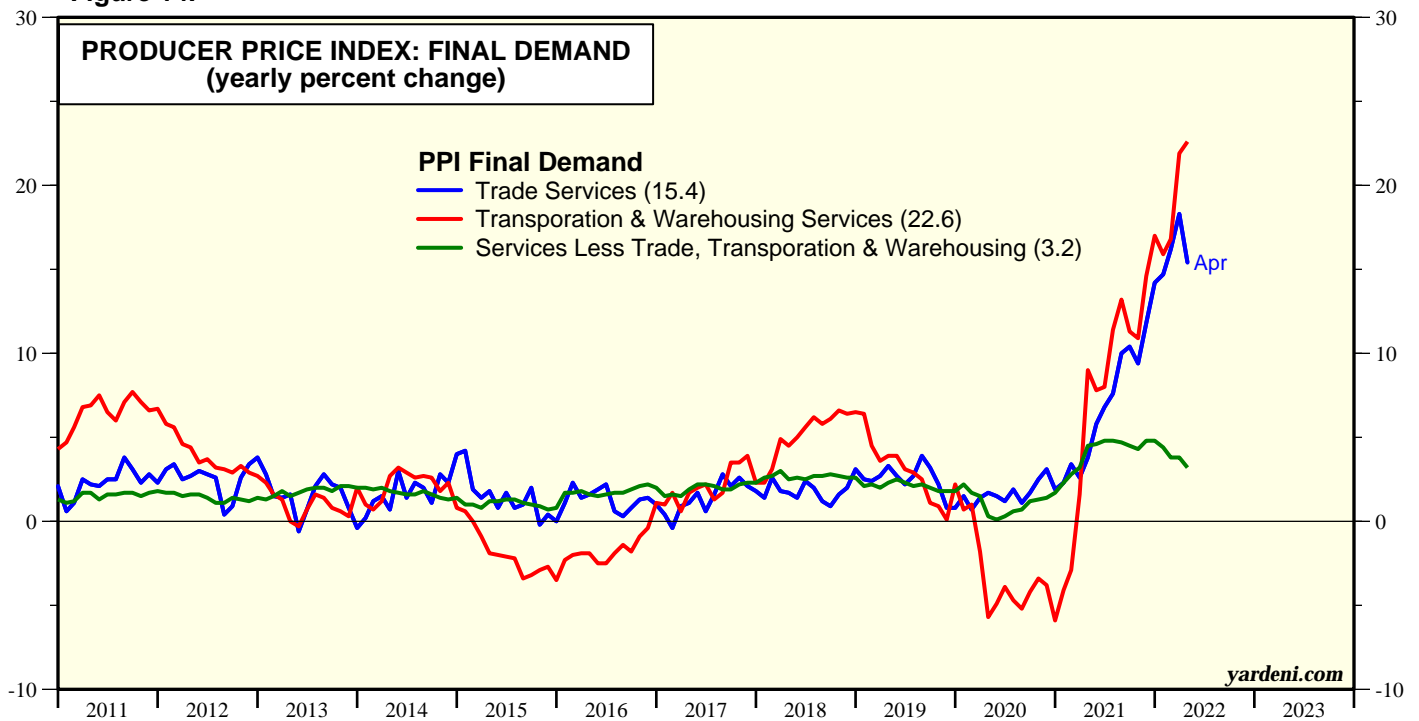
Figure 13.



Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
 Source: Bureau of Labor Statistics and Federal Reserve Bank of Atlanta.

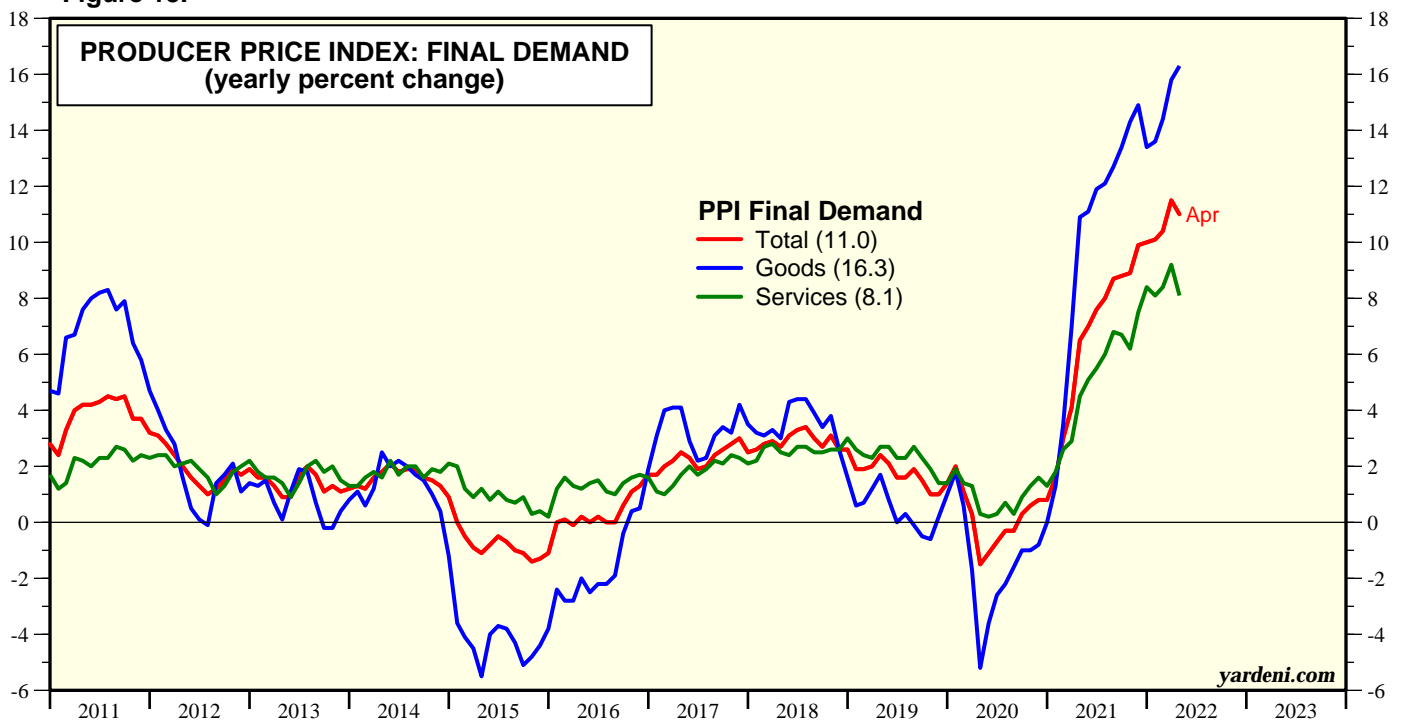


Figure 14.



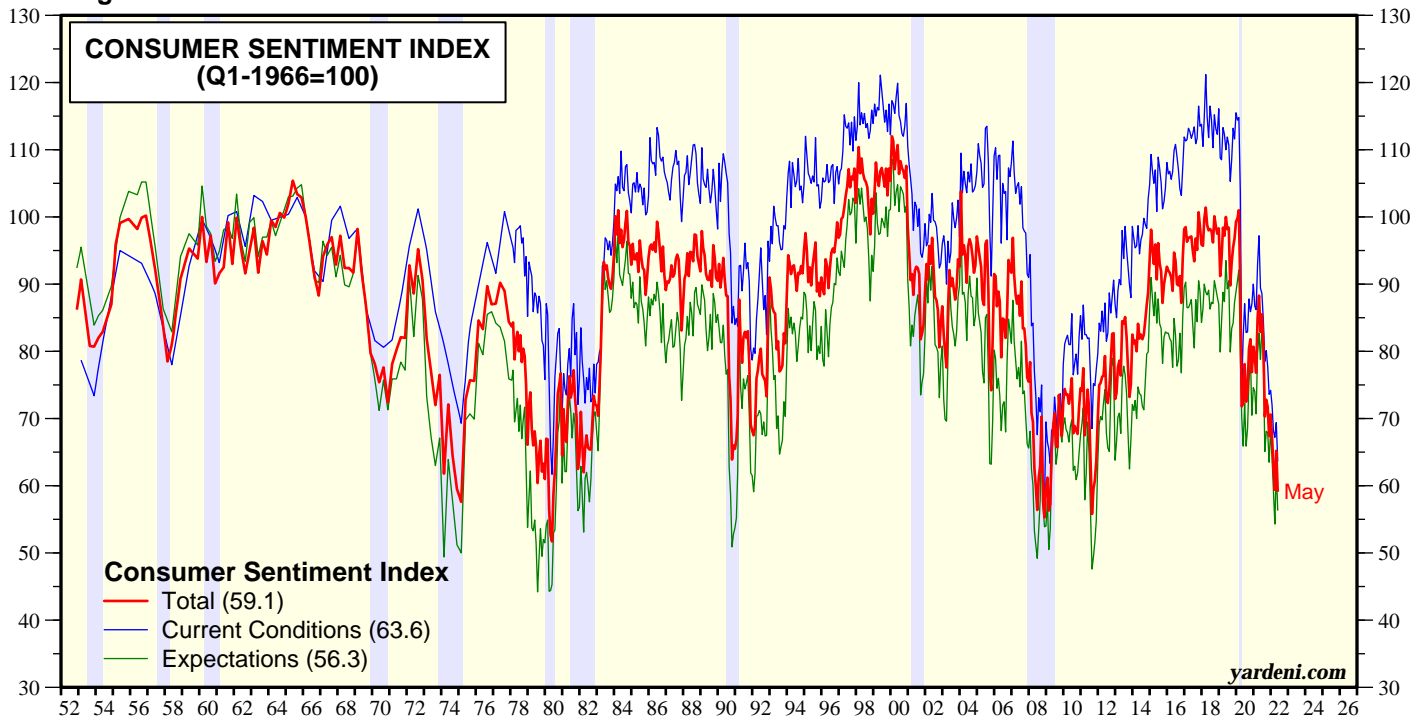
Source: Bureau of Labor Statistics.

Figure 15.



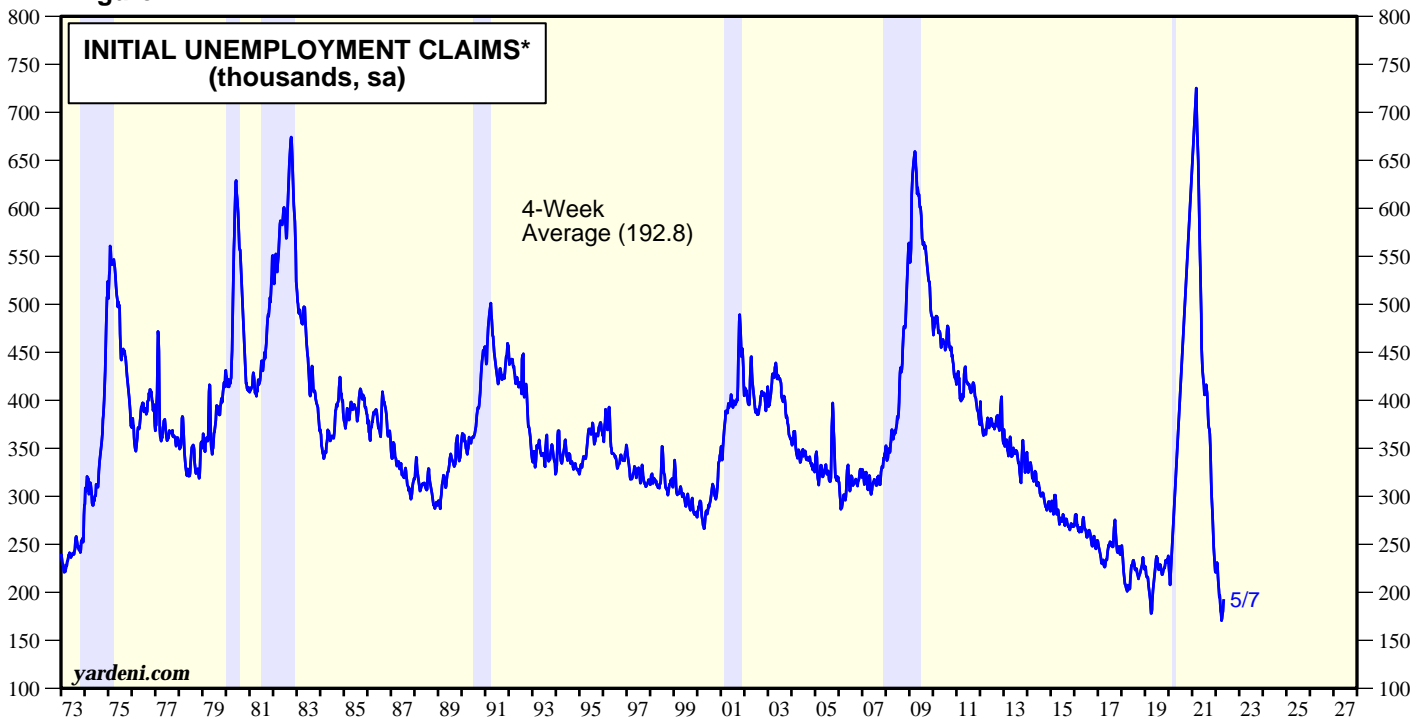
Source: Bureau of Labor Statistics.

**Figure 16.**



Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
 Source: University of Michigan Survey Research Center

**Figure 17.**



\* Capped from February 2020 to February 2021.  
 Note: Shaded areas are recessions according to the National Bureau of Economic Research.  
 Source: Bureau of Labor Statistics.

**Copyright (c) Yardeni Research, Inc. 2022.** All rights reserved. The information contained herein has been obtained from sources believed to be reliable, but is not necessarily complete and its accuracy cannot be guaranteed. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness, or correctness of the information and opinions contained herein. The views and the other information provided are subject to change without notice. All reports and podcasts posted on [www.yardeni.com](http://www.yardeni.com), [blog.yardeni.com](http://blog.yardeni.com), and YRI's Apps are issued without regard to the specific investment objectives, financial situation, or particular needs of any specific recipient and are not to be construed as a solicitation or an offer to buy or sell any securities or related financial instruments. Past performance is not necessarily a guide to future results. Company fundamentals and earnings may be mentioned occasionally, but should not be construed as a recommendation to buy, sell, or hold the company's stock. Predictions, forecasts, and estimates for any and all markets should not be construed as recommendations to buy, sell, or hold any security--including mutual funds, futures contracts, and exchange traded funds, or any similar instruments.

The text, images, and other materials contained or displayed on any Yardeni Research, Inc. product, service, report, email or website are proprietary to Yardeni Research, Inc. and constitute valuable intellectual property. No material from any part of [www.yardeni.com](http://www.yardeni.com), [blog.yardeni.com](http://blog.yardeni.com), and YRI's Apps may be downloaded, transmitted, broadcast, transferred, assigned, reproduced or in any other way used or otherwise disseminated in any form to any person or entity, without the explicit written consent of Yardeni Research, Inc. All unauthorized reproduction or other use of material from Yardeni Research, Inc. shall be deemed willful infringement(s) of this copyright and other proprietary and intellectual property rights, including but not limited to, rights of privacy. Yardeni Research, Inc. expressly reserves all rights in connection with its intellectual property, including without limitation the right to block the transfer of its products and services and/or to track usage thereof, through electronic tracking technology, and all other lawful means, now known or hereafter devised. Yardeni Research, Inc. reserves the right, without further notice, to pursue to the fullest extent allowed by the law any and all criminal and civil remedies for the violation of its rights.

The recipient should check any email and any attachments for the presence of viruses. Yardeni Research, Inc. accepts no liability for any damage caused by any virus transmitted by this company's emails, website, blog and Apps. Additional information available on [request](#).