

Chart Collection for Morning Briefing

Yardeni Research, Inc.

December 13, 2022

Dr. Edward Yardeni

516-972-7683
eyardeni@yardeni.com

Mali Quintana

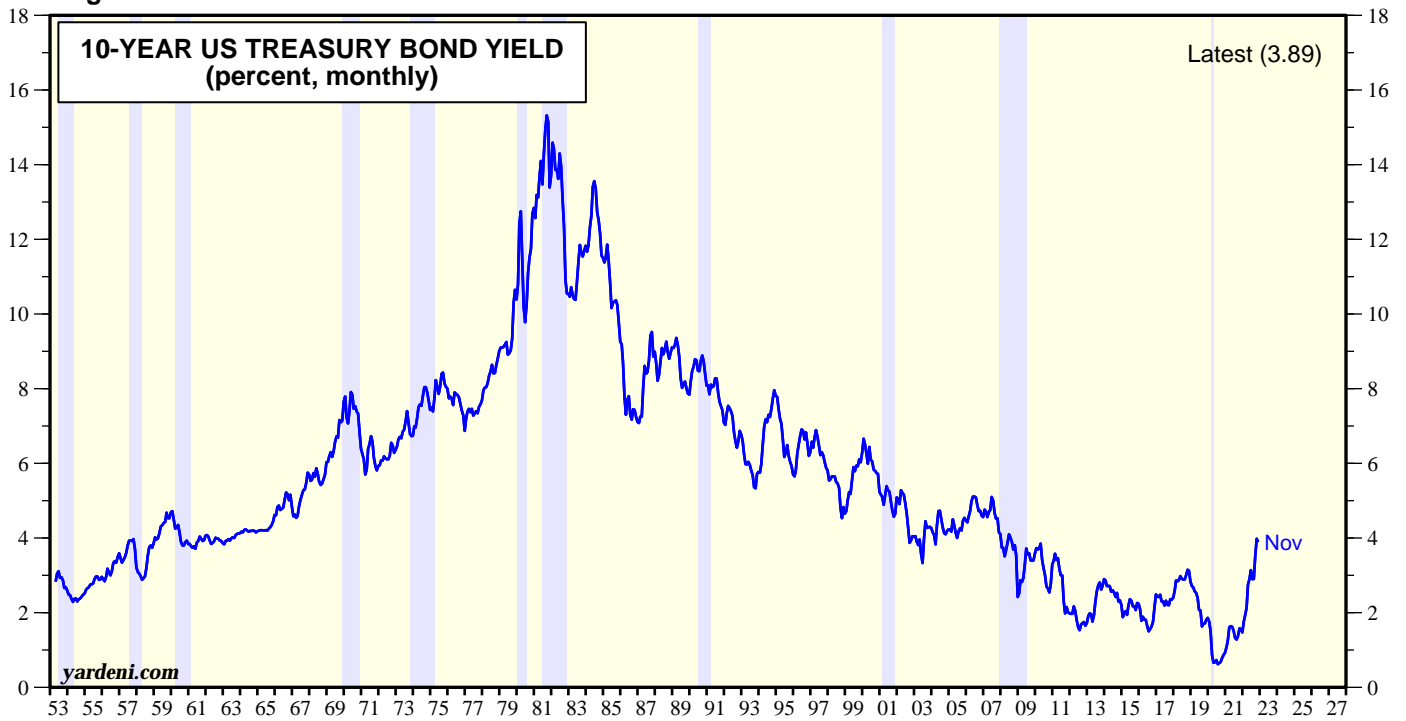
480-664-1333
aquintana@yardeni.com

Please visit our sites at
www.yardeni.com
blog.yardeni.com



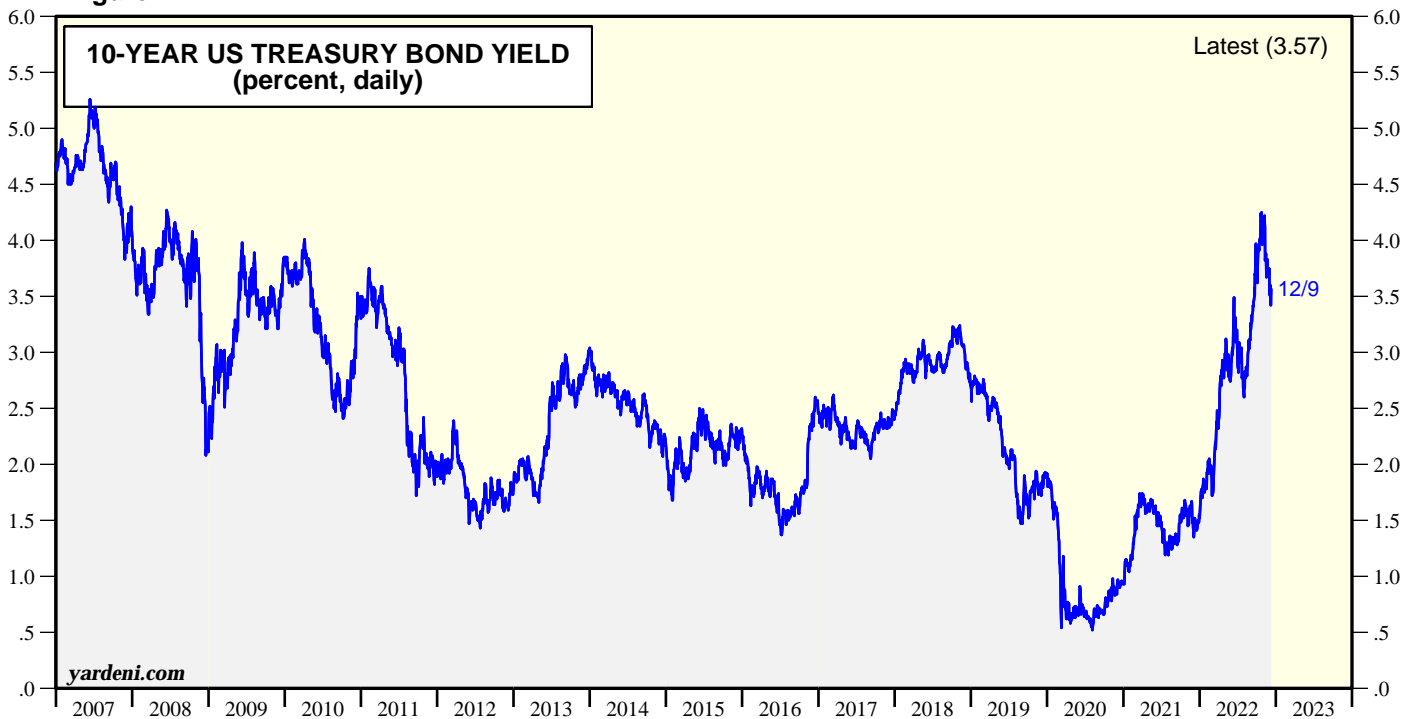
thinking outside the box

Figure 1.



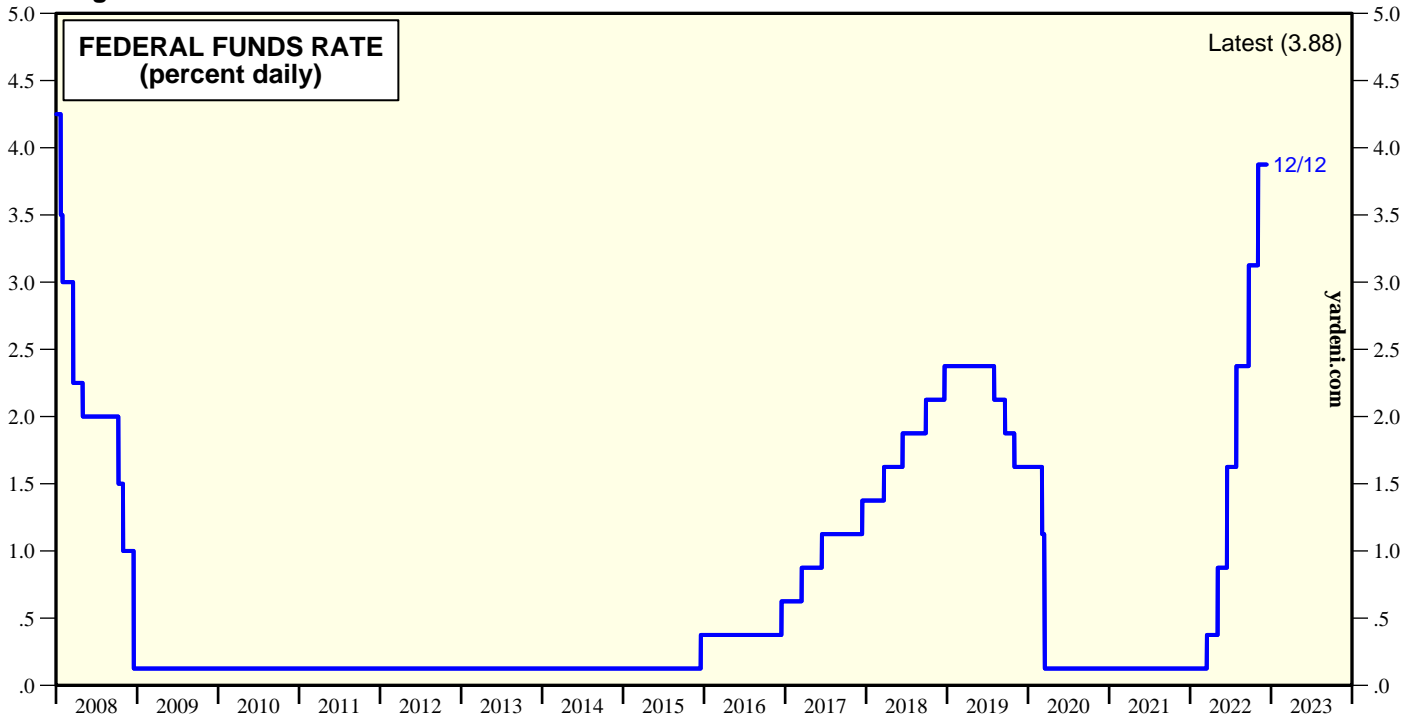
Note: Shaded areas are recessions according to the National Bureau of Economic Research.
Source: Haver Analytics.

Figure 2.



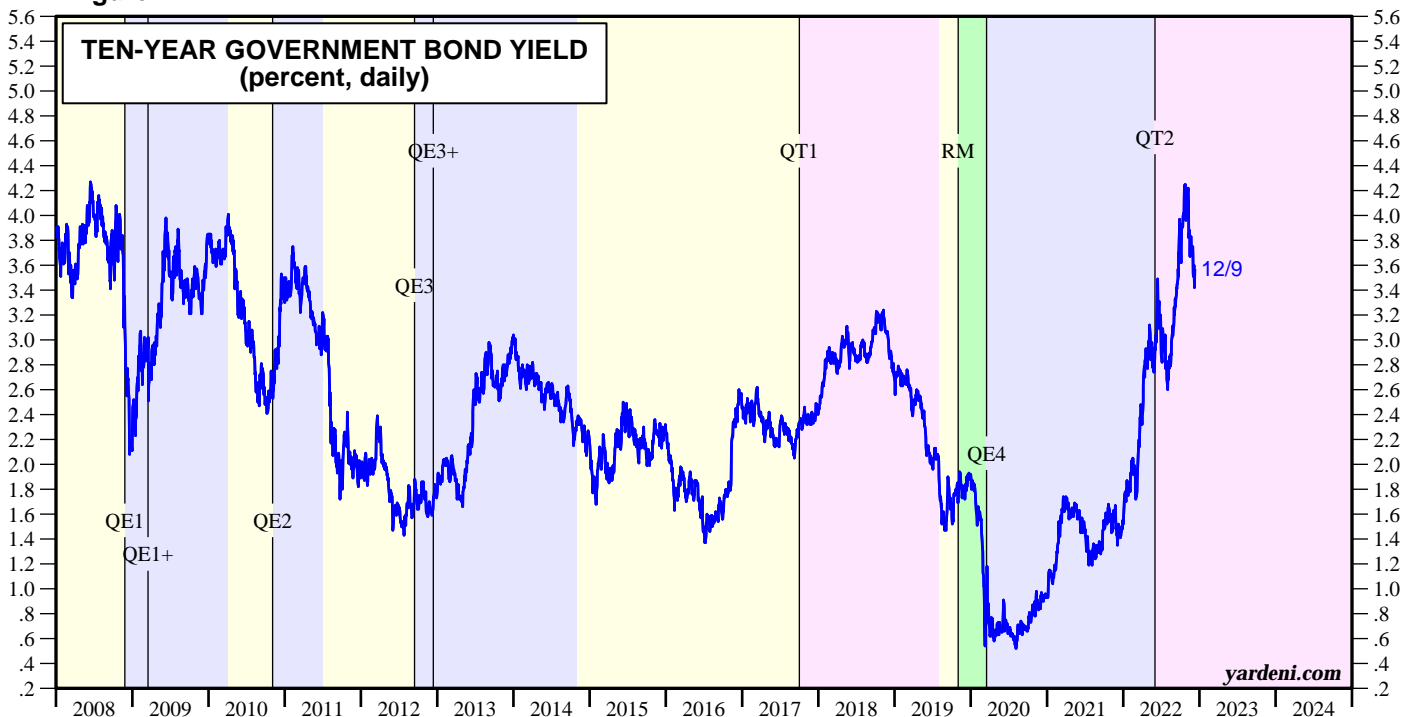
Source: Federal Reserve Board.

Figure 3.



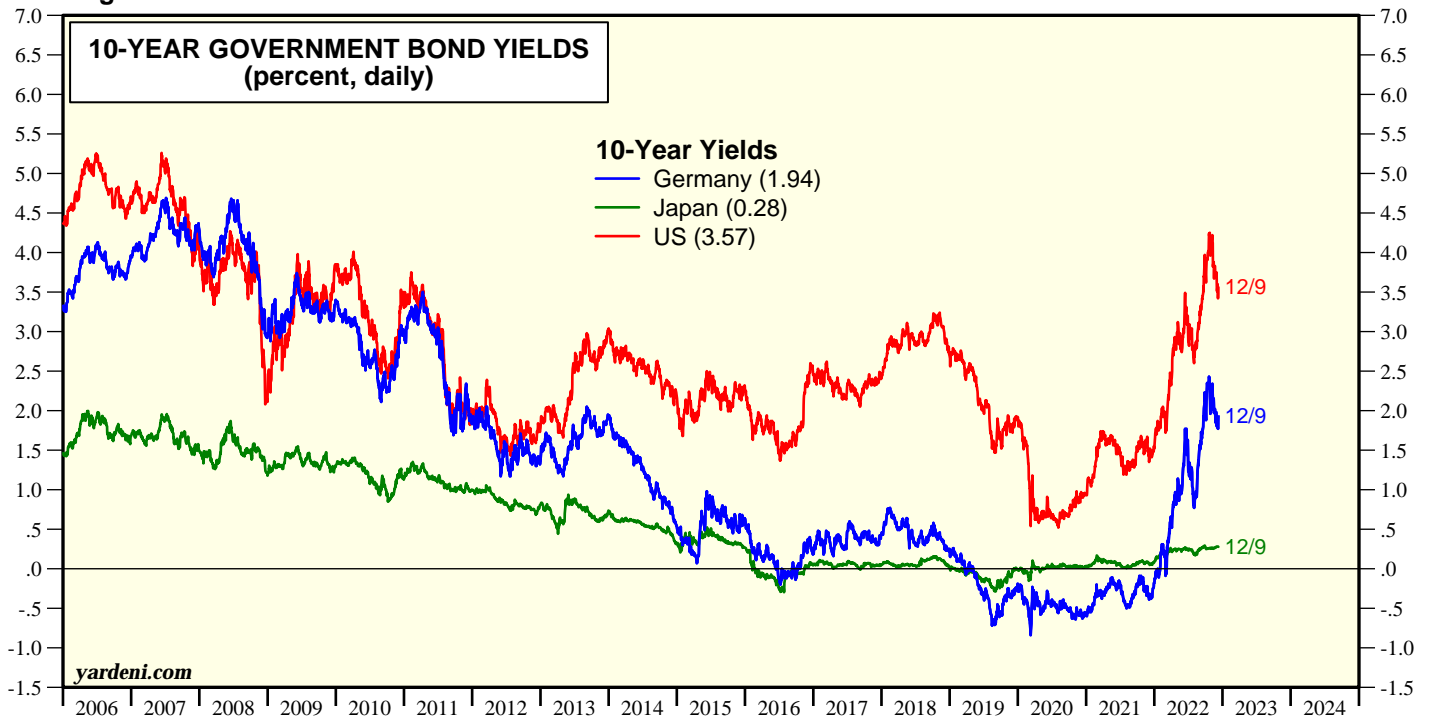
Source: Federal Reserve Board.

Figure 4.



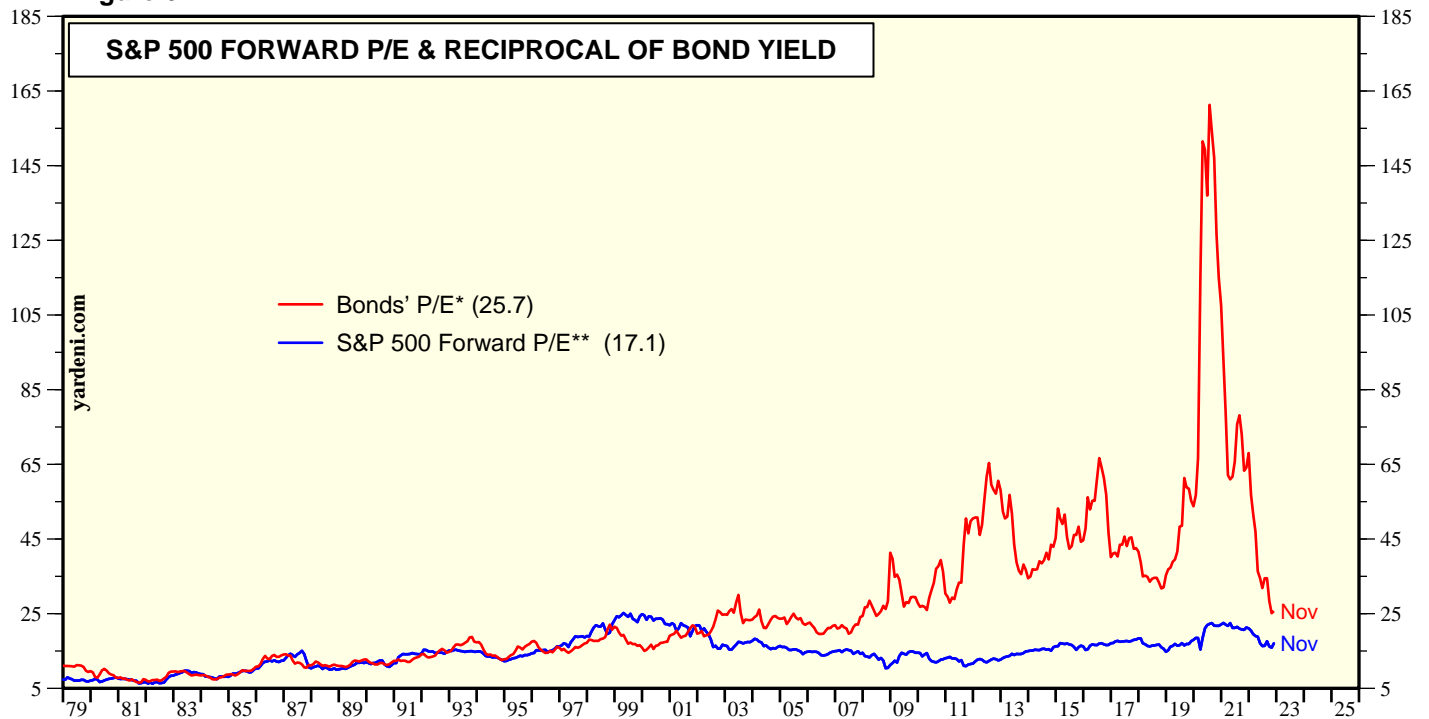
Note: QE1 (11/25/08-3/31/10) = \$1.24tn in mortgage securities; expanded (3/16/09-3/31/10) = \$300bn in Treasuries. QE2 (11/3/10-6/30/11) = \$600bn in Treasuries. QE3 (9/13/12-10/29/14) = \$40bn/month in mortgage securities (open ended); expanded (12/12/12-10/1/14) = \$45bn/month in Treasuries. QT1 (10/1/17-7/31/19) = balance sheet pared by \$675bn. RM (11/1/19-3/15/20) = reserve management, \$60bn/month in Treasury bills. QE4 (3/16/20-infinity). QT2 = balance sheet pared by \$95 billion per month. Source: Federal Reserve Board.

Figure 5.



Source: Haver Analytics.

Figure 6.

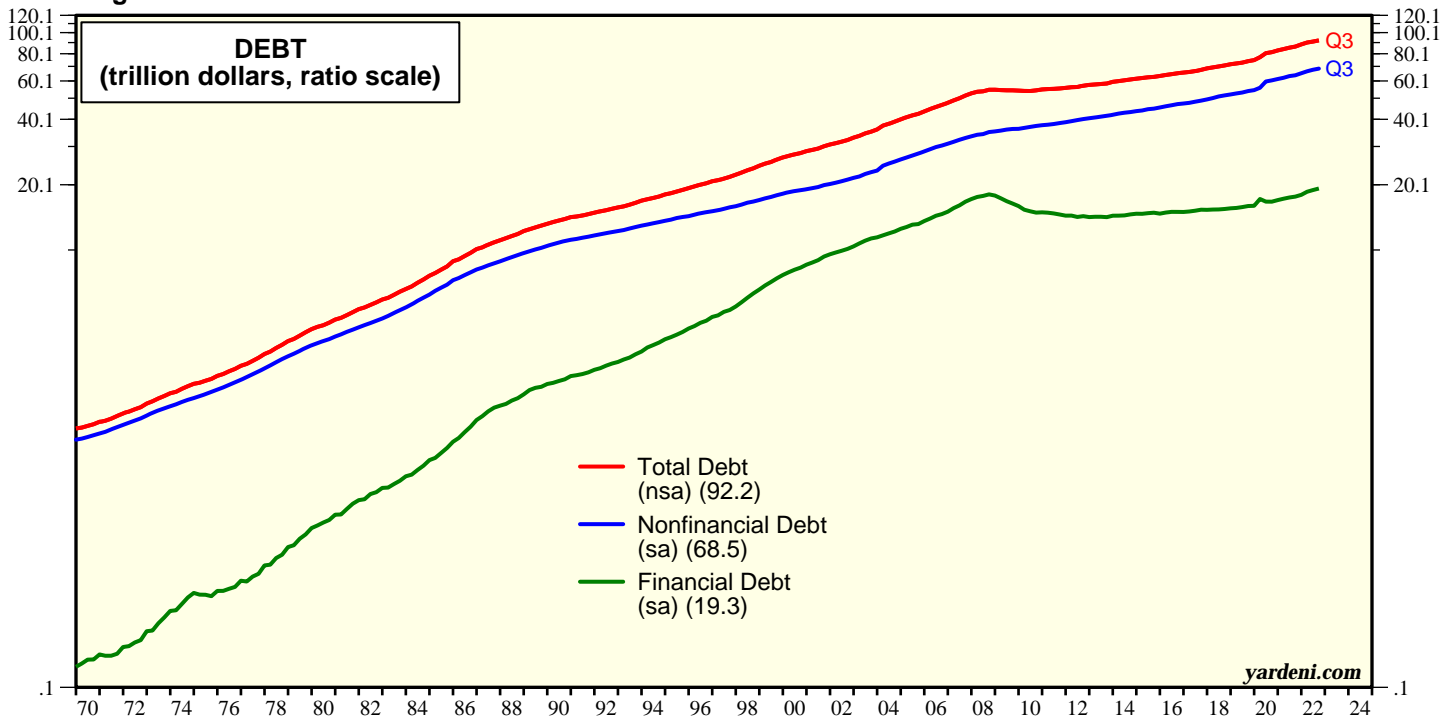


* Reciprocal of 10-year US Treasury bond yield.

** S&P 500 stock price index divided by S&P 500 12-month forward consensus expected earnings.

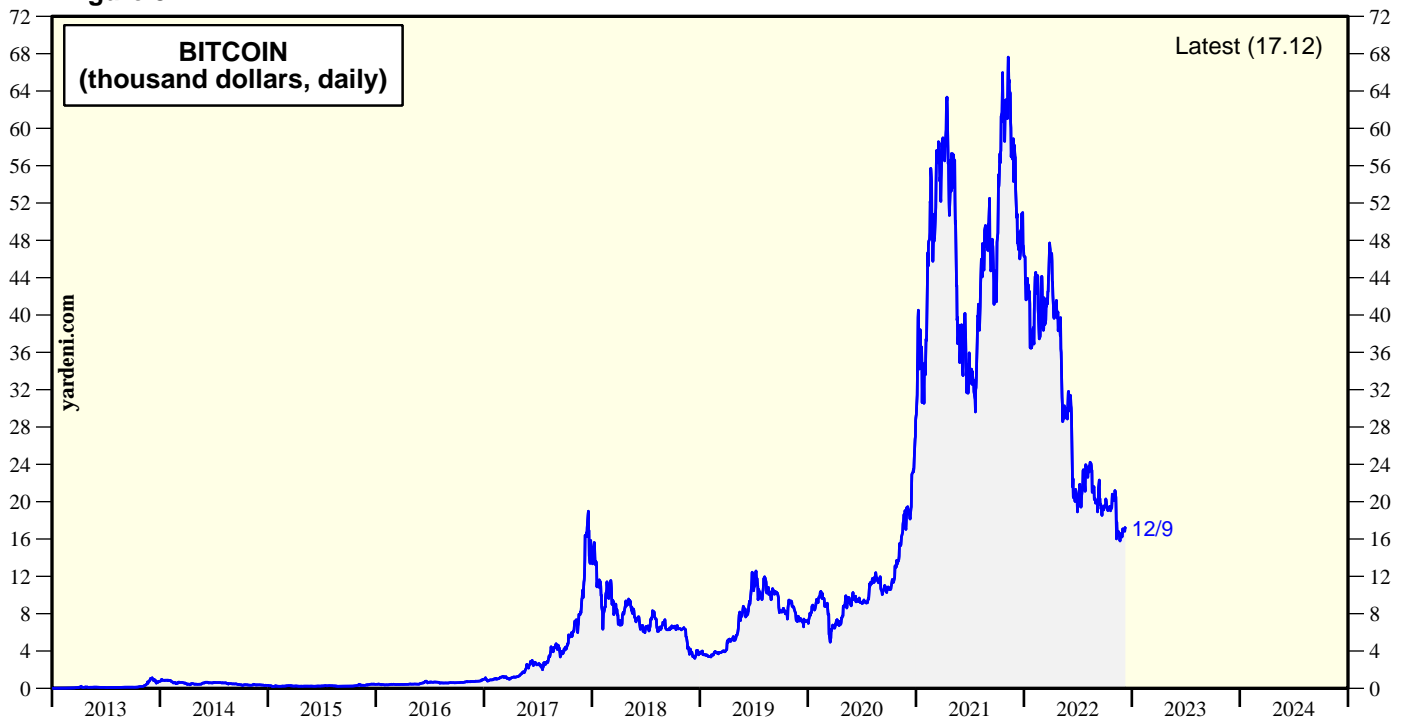
Source: Standard & Poor's Corporation and I/B/E/S data by Refinitiv.

Figure 7.



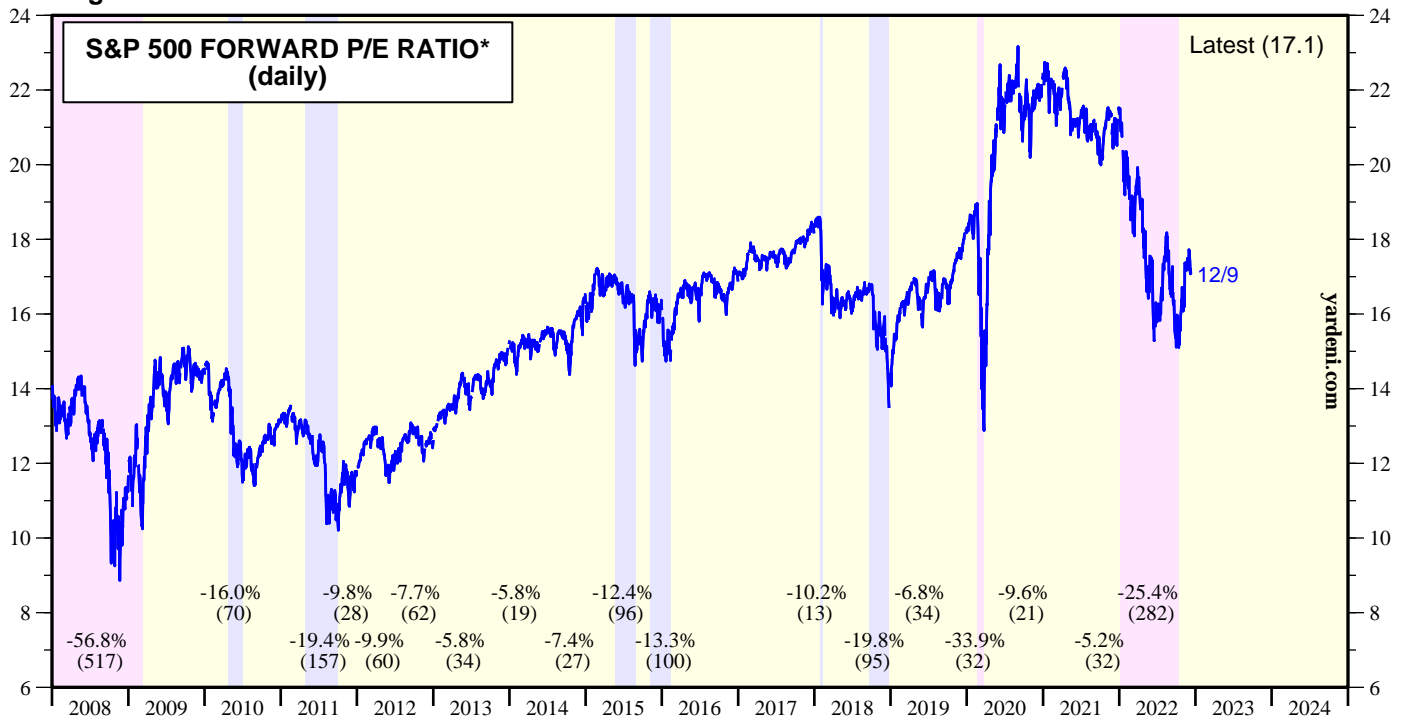
Source: Federal Reserve Board, Flow of Funds Accounts.

Figure 8.



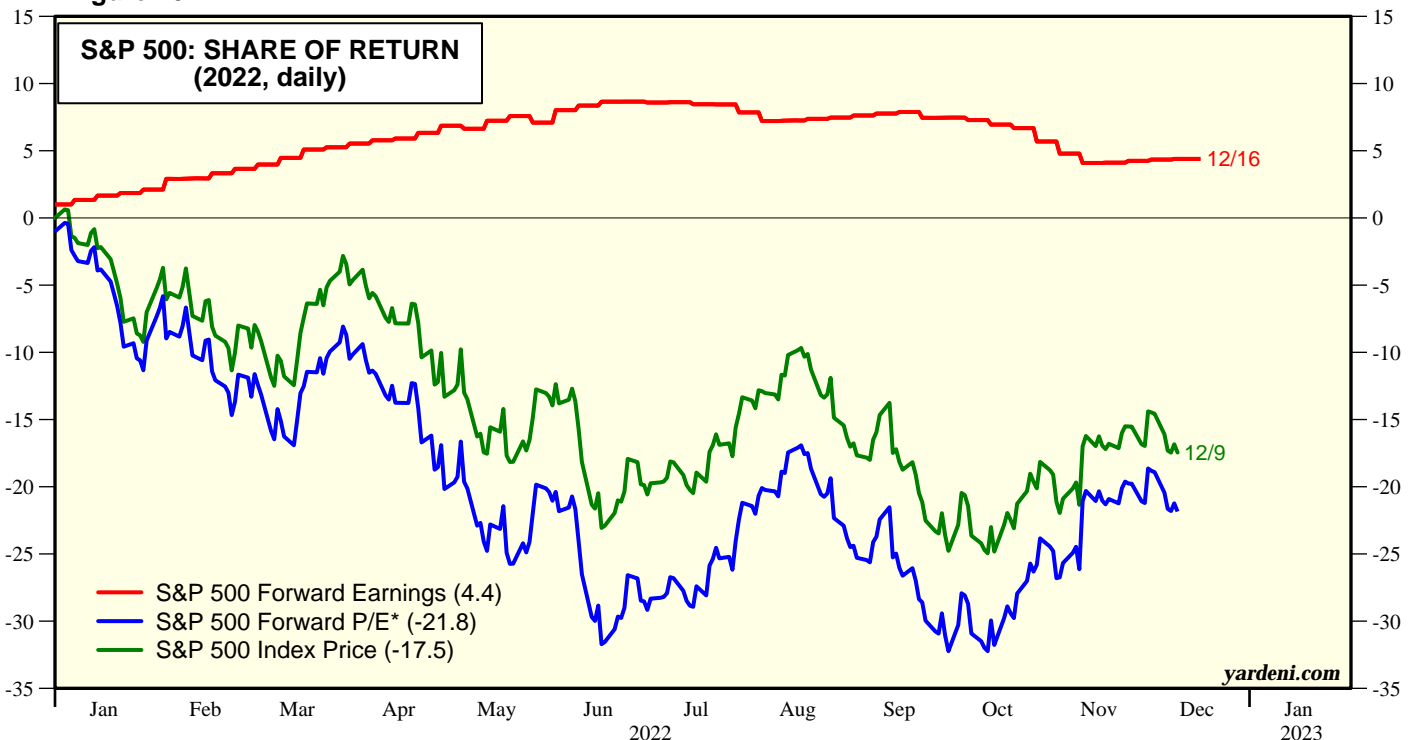
Source: CoinDesk and Haver Analytics.

Figure 9.



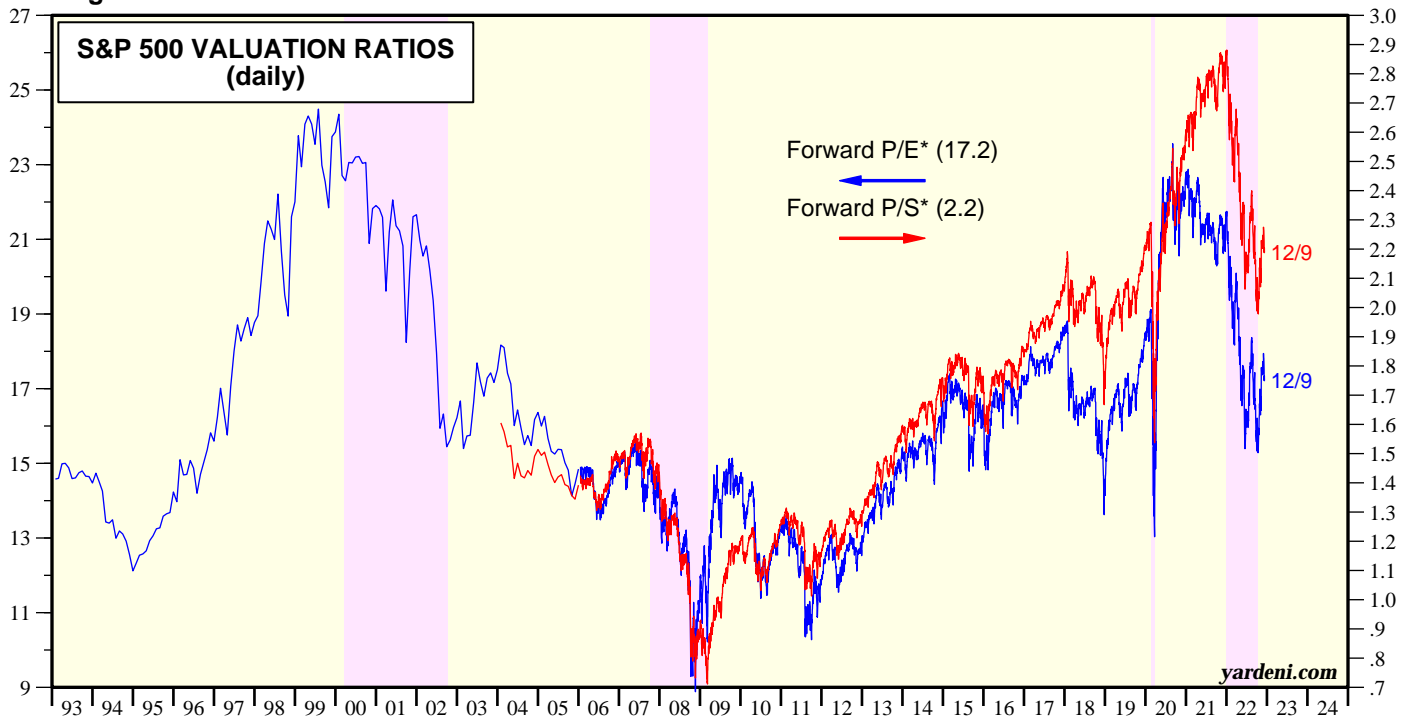
* Time-weighted average of consensus S&P 500 operating earnings estimates for current year and next year.
 Note: Numbers above time line show corrections (declines of 10% or more in the S&P 500) and minor selloffs (declines of 5%-10%). Bear markets are declines of 20% or more. Number of calendar days in parentheses
 Source: Standard & Poor's.

Figure 10.



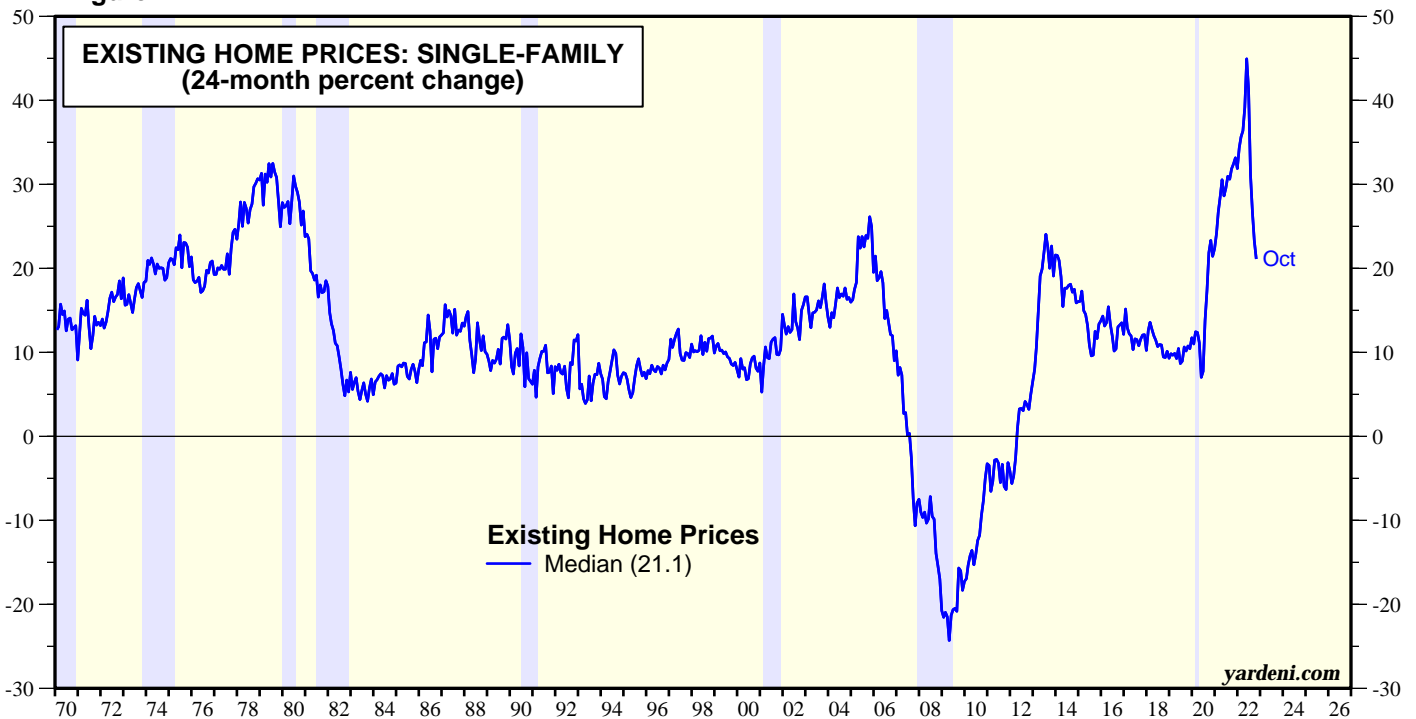
* Price divided by 52-week forward consensus expected operating earnings per share.
 Source: I/B/E/S data by Refinitiv and Standard & Poor's.

Figure 11.



* S&P 500 index divided by forward consensus expected revenues or earnings per share for S&P 500. Monthly through 2005, then daily.
 Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas are bull markets.
 Source: I/B/E/S data by Refinitiv.

Figure 12.



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

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, 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, 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](#).