## **Chart Collection for Morning Briefing**

Yardeni Research, Inc.

April 25, 2023

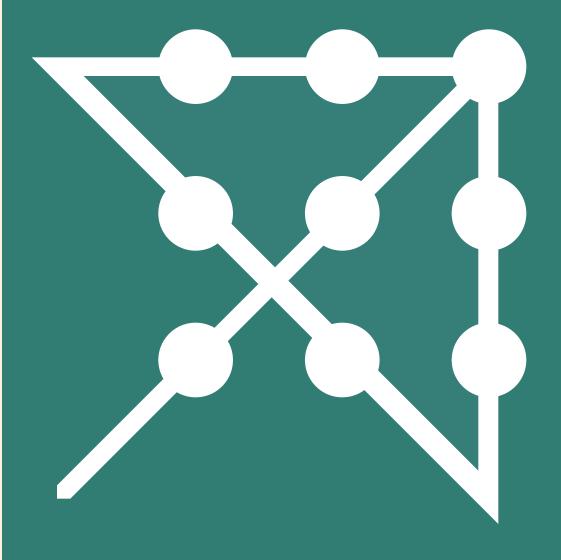
## Dr. Edward Yardeni

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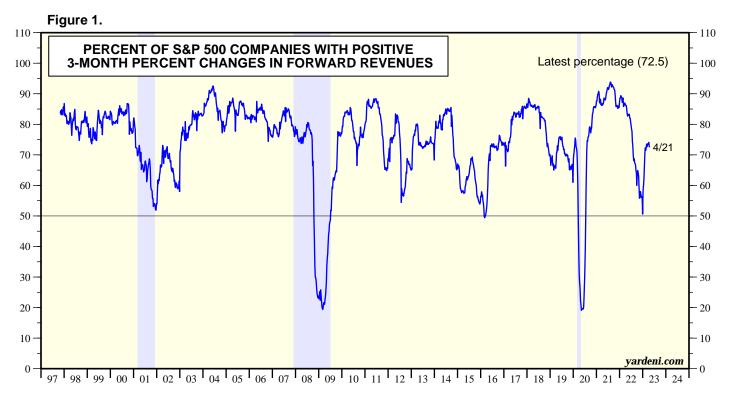
## Mali Quintana

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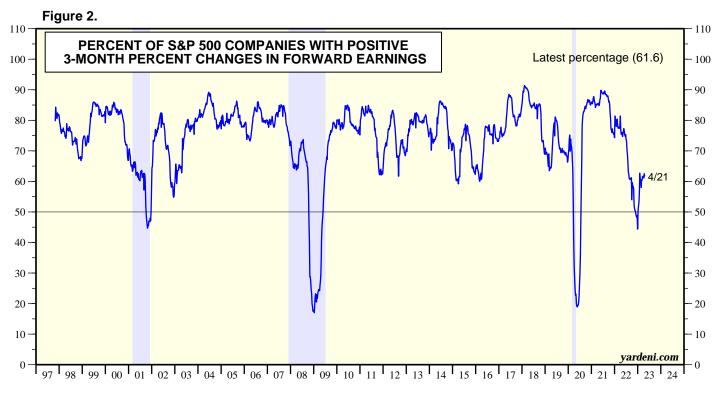
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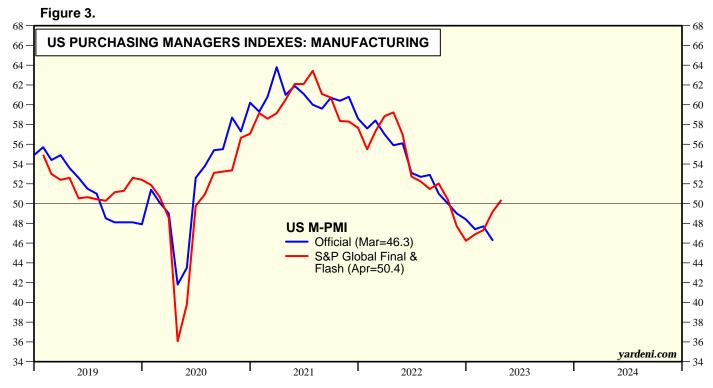
thinking outside the box



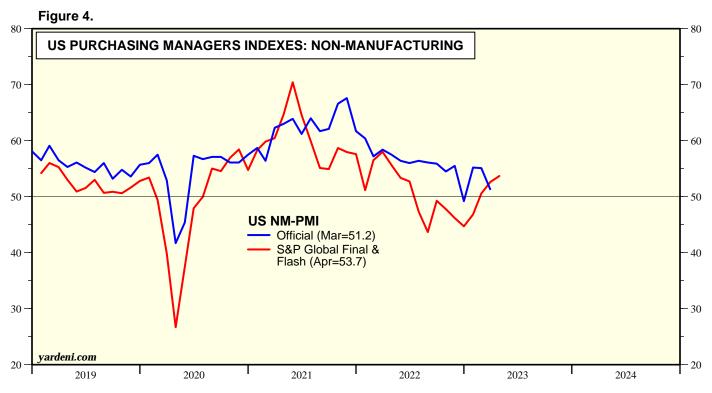
Note: Shaded areas are recessions according to the National Bureau of Economic Research. Source: Haver Analytics, 1/B/E/S data by Refinitiv, and Standard & Poor's.



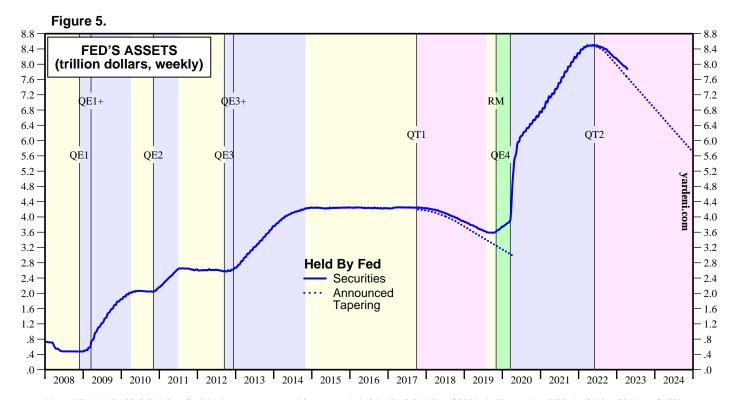
Note: Shaded areas are recessions according to the National Bureau of Economic Research. Source: Haver Analytics, 1/B/E/S data by Refinitiv, and Standard & Poor's.



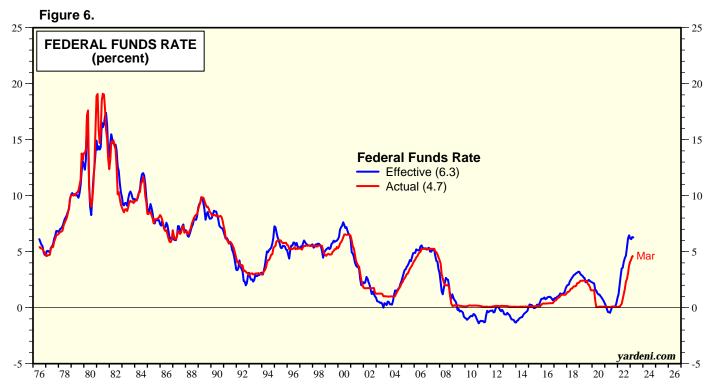
Source: S&P Global and Institute for Supply Management.



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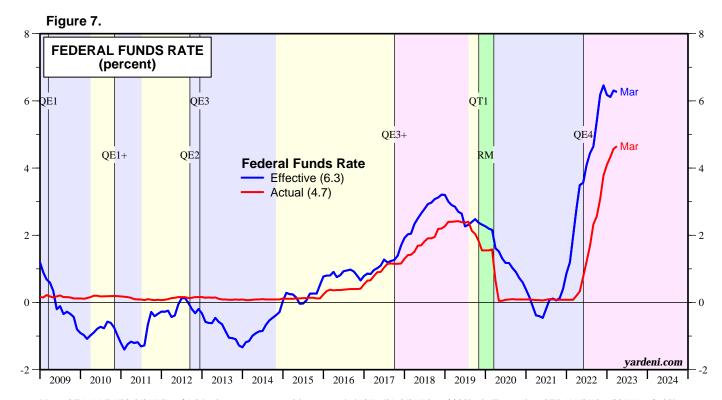


Note: QE1 (11/25/08-3/31/10) = \$1.24tn in mortgage securities; expanded (3/16/09-3/31/10) = \$300bn in Treasuries. QE2 (11/3/10-6/30/11) = \$600bn in Treasuries. QE3 (9/13/12-10/29/14) = \$40bn/month in mortgage securities (open ended); expanded (12/12/12-10/1/14) = \$45bn/month in Treasuries. QT1 (10/1/17-7/31/19)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

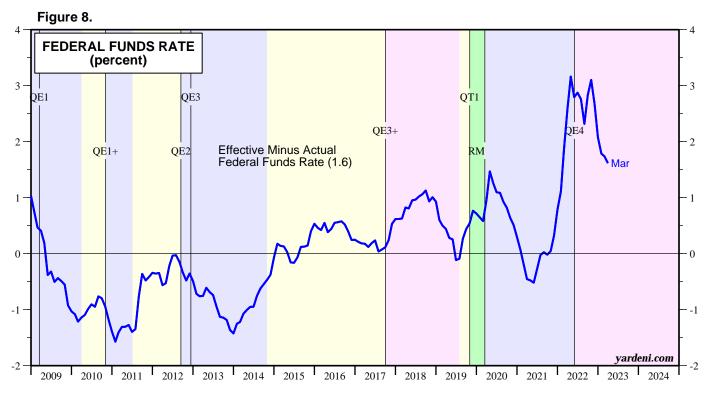


Note: Date will be updated by the second of the month; if that falls during the FOMC blackout period, update will be delayed until after the FOMC blackout period is lifted.

Source: Board of Governors of the Federal Reserve System, Freddie Mac, Bond Buyer, and Moody's.



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 (3/16/20-1)infinity). QT2 = balance sheet pared by \$95 billion per month. Source: Federal Reserve Board, Freddie Mac, Bond Buyer, and Moody's.



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