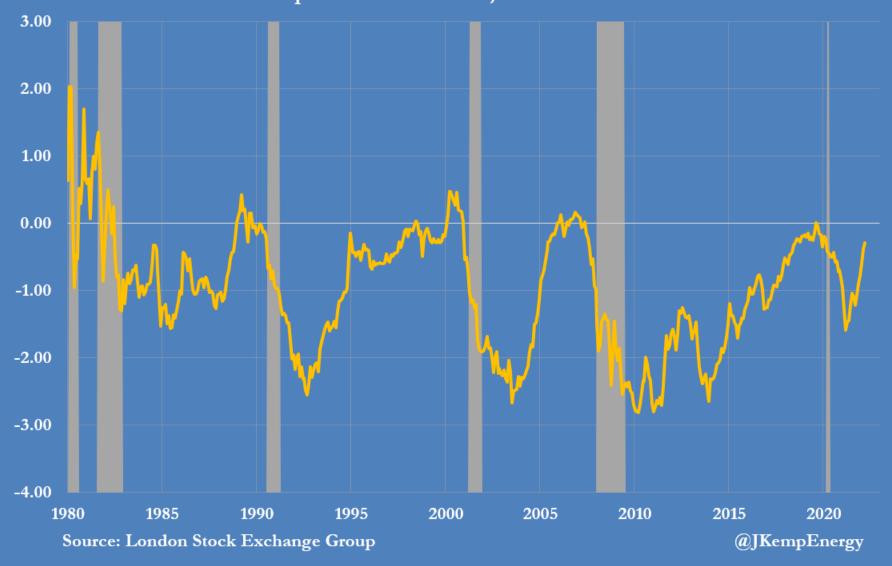
## U.S. Treasury yield curve Selected indicators

JOHN KEMP REUTERS

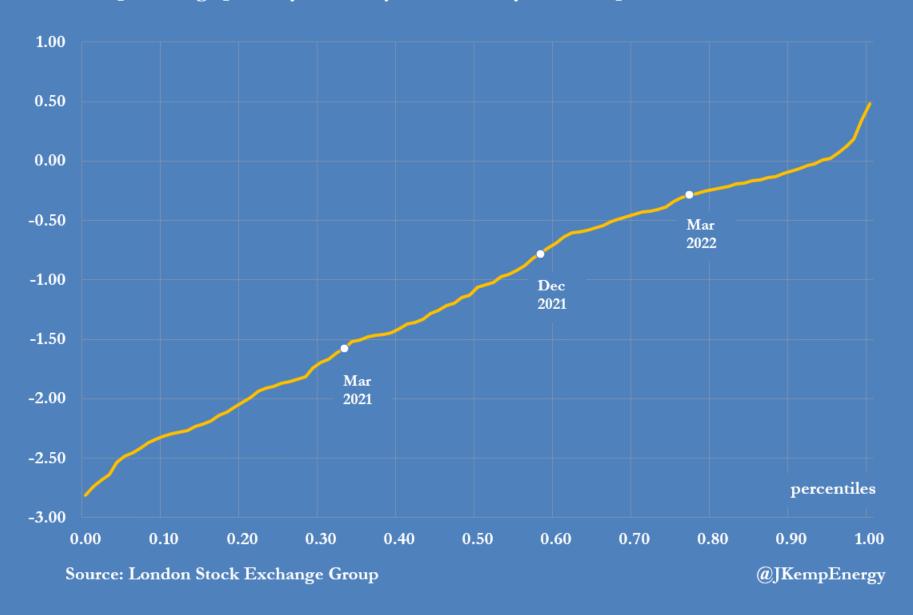
4 March 2022

U.S. Treasury yield curve, 1980-2022

percentage points, yield on 2-yr minus 10-yr notes
month-end except most recent month, NBER recessions shown



U.S. Treasury yield curve, 1990-2022 percentage points, yield on 2-year minus 10-year notes, percentile distribution

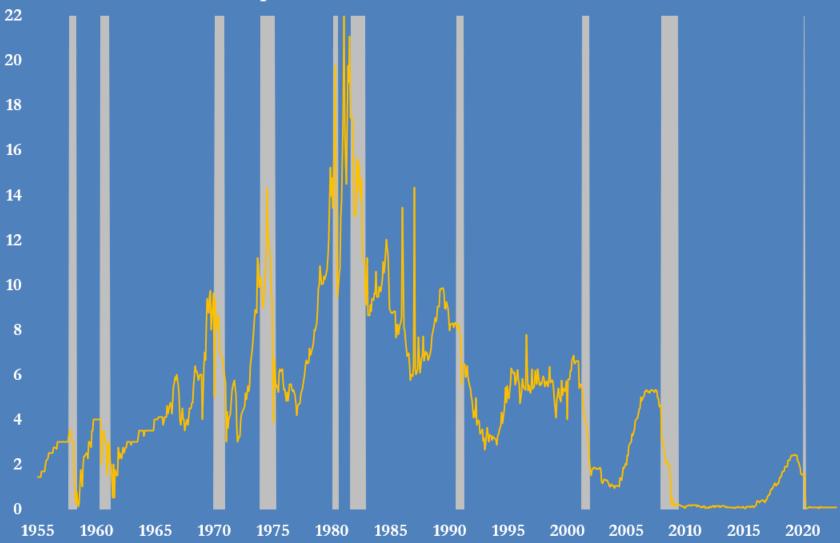


## Expected federal funds rate in January 2023 percent, implied by futures prices



Source: CME Group @JKempEnergy

Effective federal funds rate, 1955-2022 annualised percent, month-end, NBER recessions shown



Sources: Board of Governors of Federal Reserve System, National Bureau of Economic Research @JKempEnergy