The authors gratefully acknowledge financial support through a grant of the Institute for New Economic Thinking (INET) administered by the University of Virginia. Part of this research was undertaken when Schularick was a visitor at the Economics Department, Stern School of Business, New York University. The authors wish to thank, without implicating, David Backus, Philipp Engler, Richard Sylla, and Paul Wachtel for discussion and comments. Alan Taylor served as a Senior Advisor at Morgan Stanley in 2010-2011. The views expressed herein are solely the responsibility of the authors and should not be interpreted as reflecting the views of the Federal Reserve Bank of San Francisco, the Board of Governors of the Federal Reserve System, or the National Bureau of Economic Research.

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When Credit Bites Back: Leverage, Business Cycles, and Crises
Óscar Jordà, Moritz HP. Schularick, and Alan M. Taylor
NBER Working Paper No. 17621
November 2011
JEL No. C14, C52, E51, F32, F42, N10, N20

ABSTRACT

This paper studies the role of leverage in the business cycle. Based on a study of nearly 200 recession episodes in 14 advanced countries between 1870 and 2008, we document a new stylized fact of the modern business cycle: more credit-intensive booms tend to be followed by deeper recessions and slower recoveries. We find a close relationship between the rate of credit growth relative to GDP in the expansion phase and the severity of the subsequent recession. We use local projection methods to study how leverage impacts the behavior of key macroeconomic variables such as investment, lending, interest rates, and inflation. The effects of leverage are particularly pronounced in recessions that coincide with financial crises, but are also distinctly present in normal cycles. The stylized facts we uncover lend support to the idea that financial factors play an important role in the modern business cycle.

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