

WHAT IS HAPPENING TO THE IMPACT OF FINANCIAL DEEPENING ON ECONOMIC GROWTH?

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Abstract

Although the finance-growth relationship is now firmly entrenched in the empirical literature, we show that it is not as strong in more recent data as it was in the original studies with data for the period from 1960 to 1989. We consider several explanations. First, we find that the incidence of financial crises is related to the dampening of the effect of financial deepening on growth. Excessive financial deepening or too rapid a growth of credit may have led to both inflation and weakened banking systems which in turn gave rise to growth-inhibiting financial crises. Excessive financial deepening may also be a result of widespread financial liberalizations in the late 1980s and early 1990s in countries that lacked the legal or regulatory infrastructure to exploit financial development successfully. However, we find little indication that liberalizations played an important direct role in reducing the effect of finance. Similarly, there is little evidence that the growth of equity markets in recent years has substituted for debt financing and led to a reduced role of financial deepening on growth. (JEL E44, G10, O40)

REFERENCES

Acemoglu, D., S. Johnson, and J. A. Robinson. "The Colonial Origins of Economic Development: An Empirical Investigation." *American Economic Review*, 91, 2001, 1369-1401.

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Bekaert, G., C. R. Harvey, and C. Lundblad. "Does Financial Liberalization Spur Growth?" *Journal of Financial Economics*, 77, 2005, 3–55.

[Web of Science®](#) [Google Scholar](#)

Caprio, G., and D. Klingebiel. "Episodes of Systemic and Borderline Financial Crises." Mimeo, World Bank, 2003.

[Google Scholar](#)

Demetriades, P. O., and K. A. Hussein. "Does Financial Development Cause Economic Growth? Time Series Evidence from Sixteen Countries." *Journal of Development Economics*, 51, 1996, 387–411.

[Web of Science®](#) [Google Scholar](#)

Goldsmith, R. W. *Financial Structure and Development* New Haven, CT: Yale University Press, 1969.

[Google Scholar](#)

King, R. G., and R. Levine, "Finance and Growth: Schumpeter Might Be Right." *Quarterly Journal of Economics*, 108, 1993, 717–37.

[Web of Science®](#) [Google Scholar](#)

Levine, R. "Financial Development and Economic Growth: Views and Agenda." *Journal of Economic Literature*, 35, 1997, 688–726.

[Web of Science®](#) [Google Scholar](#)

Levine, R. "Finance and Growth: Theory and Evidence," in *Handbook of Economic Growth*, Vol. 1A, edited by P. Aghion and S. N. Durlauf. Amsterdam: North-Holland, 2005, 865–934.

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Loayza, N. V., and R. Ranciere. "Financial Development, Financial Fragility, and Growth." *Journal of Money, Credit, and Banking*, 38, 2006, 1051–76.

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Lucas, R. E., Jr. "Econometric Policy Evaluation: A Critique." *Carnegie-Rochester Series on Public Policy*, 1, 1975, 19–46.

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Lucas, R. E., Jr. "On the Mechanics of Economic Development." *Journal of Monetary Economics*, 22, 1988, 3–42.

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Manning, M. J. "Finance Causes Growth: Can We Be So Sure?" *Contributions to Macroeconomics*, 3, 2003, <http://www.bepress.com/bejm/contributions/vol3/iss1/art12>.

[Google Scholar](#)

McKinnon, R. I. *Money and Capital in Economic Development*. Washington, DC: Brookings Institution, 1973.

[Google Scholar](#)

McKinnon, R. I. *The Order of Economic Liberalization*. Baltimore: Johns Hopkins University Press, 1991.

[Google Scholar](#)

Rioja, F., and N. Valev. "Does One Size Fit All? A Reexamination of the Finance and Growth Relationship." *Journal of Development Economics*, 74, 2004, 429–47.

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Robinson, J. "The Generalization of the General Theory," in *The Rate of Interest and Other Essays*. London: Macmillan, 1952.

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Rousseau, P. L., and P. Wachtel. "Equity Markets and Growth: Cross-Country Evidence on Timing and Outcomes, 1980-1995." *Journal of Banking and Finance*, 24, 2000, 1933-57.

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Rousseau, P. L., and P. Wachtel. "Inflation Thresholds and the Finance-Growth Nexus." *Journal of International Money and Finance*, 21, 2002, 277-93.

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Temple, J. "The New Growth Evidence." *Journal of Economic Literature*, 37, 1999, 112-56.

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Wachtel, P. "How Much Do We Really Know about Growth and Finance?" *Federal Reserve Bank of Atlanta Economic Review*, 88, 2003, 33-47.

[Google Scholar](#)

Windmeijer, F. "A Finite Sample Correction for the Variance of Linear Efficient Two-Step GMM Estimators." *Journal of Econometrics*, 126, 2005, 25-51.

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