

# IMF programs: Who is chosen and what are the effects? ☆

Robert J. Barro<sup>a,\*</sup>, Jong-Wha Lee<sup>b</sup>

<sup>a</sup>*Department of Economics, Harvard University, Littauer 218, Cambridge, MA 02138, USA*

<sup>b</sup>*Department of Economics, Korea University, Korea*

Received 28 February 2005; accepted 27 April 2005

Available online 10 October 2005

---

## Abstract

IMF loans react to economic conditions but are also sensitive to political-economy variables. Loans tend to be larger and more frequent when a country has a bigger quota and more professional staff at the IMF and when a country is more connected politically and economically to the United States and major European countries. These results are of considerable interest for their own sake. More importantly for present purposes, the results provide instrumental variables for estimating the effects of IMF loan programs on economic growth and other variables. This instrumental estimation allows us to sort out the economic effects of the loan programs from the responses of IMF lending to economic conditions. The estimates show that a higher IMF loan-participation rate reduces economic growth. IMF lending does not have significant effects on investment, inflation, government consumption, and international openness. However, IMF loan participation has small negative effects on democracy and the rule of law. The reduction in the rule of law implies an additional, indirect channel whereby IMF lending reduces economic growth.

© 2005 Elsevier B.V. All rights reserved.

*JEL classification:* F3; F4; O4

*Keywords:* Economic growth; IMF lending; Instruments; Political economy

---

☆ This research has been supported in part by a grant from the National Science Foundation. We appreciate comments from Alberto Alesina, Eduardo Borensztein, Jeffrey Frankel, Jeffrey Frieden, Jinyong Hahn, Simon Johnson, Mohsin Kahn, Robert King, Myoung-jae Lee, Greg Mankiw, Roberto Perrotti, and seminar participants at the Australian National University, Harvard University, the International Monetary Fund, the Korean Econometric Society Workshop, the State University of New York at Buffalo, the Study Center Gerzensee, and Tokyo University. Yunjong Eo provided valuable research assistance.

\*Corresponding author. Tel.: +1 617 496 3203; fax: +1 617 496 8629.

*E-mail address:* [rbarro@harvard.edu](mailto:rbarro@harvard.edu) (R.J. Barro).

## 0. Introduction

In recent decades, many countries have participated in loan programs of the International Monetary Fund. In fact, almost all developing countries have received IMF financial support at least once since 1970. The few exceptions include Botswana, Iraq, Malaysia, and Kuwait.

Given the broad reach of IMF loan programs, it is important to know the consequences of these programs for economic growth and other dimensions of economic performance. Do countries benefit from access to IMF loan programs or would countries be better off if these programs did not exist?

The main difficulty in answering this question is that IMF loans tend to be made in response to economic problems. This response, akin to a doctor administering to a sick patient, tends to generate a negative association between IMF loan programs and economic performance. Obviously, it would be unfair to blame the IMF for these pre-existing bad conditions. Thus, to assess the economic effects of the loan programs, one has to sort out the directions of causation, that is, distinguish the economic effects of the loans from the effects of economic conditions on the probability and size of the programs. Similar issues arise in evaluating foreign aid, debt relief, and other programs that respond to the economic health of a country.

To sort out the directions of causation, we would ideally observe experimental situations in which the IMF introduced a loan program without regard to a country's economic conditions. We try to approximate these sorts of experiments by taking a political/institutional approach to the IMF's decision-making. That is, we construct and use some political and institutional variables that, first, have substantial predictive value for IMF loan participation and, second, are exogenous with respect to economic performance. We then use these political and institutional variables to form instruments to isolate the effects of IMF loan programs on economic growth and other variables.

The key innovation of our analysis is that we model the IMF as a bureaucratic and political organization. Loans are more likely to be approved and are likely to be larger when countries are more influential at the IMF. We gauge this influence by the size of a country's quota at the IMF and by the number of the IMF's professional staff that come from the country. We also consider each country's political and economic connections to the most influential members of the IMF, the United States and the major countries of Western Europe. To measure these connections, we use voting patterns in the United Nations and the extent of bilateral trade linkages.

Our analysis shows that IMF loans are more likely to exist and to be larger in size when countries have larger quotas, more nationals on the IMF staff, and are more connected politically and economically to the United States and the major Western European countries. Considered as a whole, these political-economy variables have substantial explanatory power for IMF lending.

Our political-economy analysis of the determinants of IMF loan programs is of considerable interest for its own sake. However, most importantly, this analysis generates the instrumental variables that we use to study the effects of these programs. We can reasonably argue that our instrumental estimates isolate the effects of the loan programs on economic growth and other variables.

Overall, our results are not favorable for the economic role of the IMF. We find that, using our instrumental variables and holding fixed an array of other explanatory variables,

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات