Do IMF and World Bank programs induce government crises?

An empirical analysis

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Abstract

We examine whether and under which circumstances World Bank projects and IMF programs

affect the likelihood of major government crises. Using a sample of more than 90 developing

countries over the period 1970-2002, we find that crises are on average more likely in the

presence of Bank and Fund involvement. While the effect of the IMF to some extent depends

on the model specification, the impact of the World Bank is shown to be robust to the choice

of control variables and method of estimation. We also find that governments face an

increasing risk to enter a crisis when they remain under an arrangement once the economy

performs better. The (economic) conditions present when a new arrangement is initiated,

however, do not affect the probability of a crisis. Finally, only programs concluded by the

current government affect crises, while those inherited by preceding governments do not.

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1. Introduction

There is substantial anecdotal evidence that structural adjustment programs by the World Bank and, even more so, the International Monetary Fund (IMF) face severe resistance by those groups in society fearing to be among the losers of these programs' consequences. In some cases IMF and World Bank involvement led to government crises, cabinet changes, or the replacement of entire governments. However, there are also countries in which adjustment programs did not end up in major political turmoil (Nelson 1992).

What are the circumstances under which IMF and World Bank involvement harms the governments of the program countries and when is it that the International Financial Institutions (IFIs) do not lead to government crises? While several studies report empirical evidence that concluding IMF programs affects survival rates of political leaders (Smith and Vreeland 2003) as well as the re-election probability of incumbent governments (Killick 1995, Dreher 2004), this question has so far not been investigated. Arguably, this is an important omission. Answering this question gives guidance to governments on the verge of concluding Fund and Bank programs. It might also help the IFIs designing their programs in a way so as not to hurt program countries' governments. To some extent, knowing the circumstances leading to government crises also sheds light on the IFIs' "scapegoat" function (Vreeland 1999). Can governments blame the IFIs for unpopular policies and thereby reduce the risk of crises? Or do citizens blame their government for the IFIs' presence and respond with riots and demonstrations, leading to government crises?

We continue as follows. The next section develops our hypotheses. Section 3 presents our data and method of estimation. We first examine whether the implementation of IMF and World Bank programs on average induces government crises.³ In a second step, we investigate the circumstances which yield negative outcomes and separate those from cases in which IMF and World Bank did not hurt or even help the governments. The results are presented in Section 4. To anticipate the main results, we find that IMF and World Bank programs significantly increase crisis probability. We also find that governments face an increasing risk to enter a crisis when they remain under a program once the economy performs better. The (economic) conditions present when a new arrangement is initiated, however, do not affect crisis probability. Finally, only programs concluded by the current

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¹ Among the more prominent examples are the general strikes against the IMF's austerity policy in Argentina in 1992 and 1994.

² As one example, the Marcos government in the Philippines in 1985 followed the IMF's austerity policy in spite of severe domestic resistance (Montes 1987). Marcos was finally overthrown by the military. See Dreher (2002) for further anecdotal evidence.

³ To the best of our knowledge, the only existing study that also focuses on IFI involvement and political instability is Sidell (1988). However, Sidell only presents simple correlations for the IMF.

government affect crises, while those inherited by preceding governments do not. Section 5 draws policy implications and concludes.

2. The Hypotheses

The record of IMF and Bank involvement can not be considered to be fully successful.⁴ Although the transmission channel is still unclear, recent empirical studies universally report a negative influence of IMF programs on (short-term) economic growth (e.g., Przeworski and Vreeland 2000, Barro and Lee 2005, Atoyan and Conway 2006, Dreher 2006). Furthermore, according to Easterly (2005), neither Bank nor Fund significantly reduced macroeconomic distortions in program countries. Finally, structural adjustment programs have increased inequality (Pastor 1987, Garuda 2000, Vreeland 2002) and did not reduce poverty in program countries (Hajro and Joyce 2008). It is, therefore, no surprise that the political costs to negotiate IMF and World Bank programs are sometimes substantial. This is clearly documented by Vreeland (1999) who finds that governments expect IMF programs – on average – to reduce their standing with its citizens.

Fund and Bank conditionality sometimes substantially interferes with domestic politics. Apart from the macroeconomic consequences of the IFIs' involvement, political power constellations are changed. This is likely to be true both within the government and with respect to parties among the parliament more generally. Within the government, it is well documented that the position of the ministers of finance and economy is strengthened vis-à-vis the spending ministries (Buira 2002). Both regarding other ministers or government parties and the (parliamentary and non-parliamentary) opposition, the IFIs can be used as scapegoats for unpopular policies (see Vreeland 1999, Smith and Vreeland 2003). By tying their hands to the IMF program, politicians can overcome domestic opposition and, hence, reduce the probability of a political crisis.

Another channel through which the IFIs are likely to affect political crises is the funds associated with their programs. It is well documented that IMF and World Bank loans are sometimes abused by national governments to secure their power (e.g., Dreher and Vaubel 2004). Governments can use the funds paid out by the IFIs directly for this purpose. Support gained with the help of IFI credit could outweigh the loss of support due to the implementation of the program, reducing the likelihood of a government crisis.

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⁴ For recent surveys on the role and operations of the IMF see Joyce (2004), Vreeland (2006), Bird (2007), and Steinward and Stone (2008).

Fund and Bank conditionality, on the other hand is frequently accused to follow market-oriented policy prescriptions. Even when the majority of government endorses the program and is willing to implement the policies, other parts of government might refuse the IFIs' conditionality, giving rise to dissent among the government. Parties of the government coalition might threaten to leave the government, inducing a crisis.

Based on these considerations, the direction of IMF and World Bank involvement on the probability of crises is not a priori obvious and we can only measure the net-effect of the IFIs' involvement. We hypothesize:

Hypothesis 1: IMF and World Bank involvement affect the probability of crises in the recipient countries.

Arguably, the effect of Fund and Bank involvement on government crises is likely to depend on the success of the program and the development of the economy. For our purposes, it does not matter whether and to what extent the IFIs caused such development. An increase in economic growth, e.g., might be attributed to the IFIs' programs whether or not these programs actually caused growth. However, when the economy performs well, the scapegoat function of the IFIs looses its value. The threat of terminating the projects is not as binding for opposing views in the government as in harder times. When the economy performs badly, to the contrary, the opponents to the current policy stance are more likely to accept the policy conditions of the IFIs, reducing the probability of government crises. Overall, while the direction of the potential effect is not obvious, we hypothesize:

Hypothesis 2: The effect of IMF and World Bank involvement on crisis probability depends on how the economy evolves over the course of the program.

The analyses in Dreher (2004) and Smith and Vreeland (2003) suggest that the effect of the IFIs involvement is likely to depend on the circumstances under which a program came into effect. Under certain circumstances the IFIs' programs can help citizens to derive the 'type' of their government. If the economy performs moderately, competent politicians do not have to turn to the Fund. They signal their competence by borrowing from the market or other countries. Incompetent politicians, to the contrary, have to turn to the IMF, signalling their incompetence. Clearly, domestic support is likely to suffer, potentially giving rise to government crises. In particular, Dreher shows that governments concluding IMF arrangements prior to a national election generally increase their re-election probability. This

increased probability of getting re-elected after program conclusions decreases, however, with rising GDP growth. IMF programs might thus imply a signal about the incumbent's quality: When growth rates are low, voters accept the necessity to involve the Fund. In a good economic environment, however, only incompetent governments need Fund assistance – and consequently lose office in the next election. According to the empirical analysis in Smith and Vreeland (2003), government survival positively depends on whether the program has been into existence before the current government came into power. In this case, citizens do not blame their government for the existence of the program. The incumbent government can abuse the IFIs as a scapegoat – consequently, instability decreases. We derive two hypotheses from this discussion:

Hypothesis 3: The effect of IMF and World Bank involvement on crisis probability depends on the state of the economy at the time the program is initiated.

Hypothesis 4: The effect of IMF and World Bank involvement on crisis probability depends on whether the current government turned to the IFIs itself or inherited the program.

3. Method and Data

The regression is a pooled time-series cross-section analysis (panel data). Our annual data cover the years 1970-2002 and extend to more than 90 developing countries. Since some of the data are not available for all countries or years, the panel data are unbalanced and the number of observations depends on the choice of explanatory variables. Our dependent variable is a dummy taking the value of one in case of at least one major government crisis and zero otherwise. This variable is taken from the Databanks International (2005) Cross-National Time-Series Data Archive. A major government crisis is defined as "any rapidly developing situation that threatens to bring the downfall of the present regime, excluding situations of revolt aimed at such overthrow."

As our explanatory variables of main interest we employ two variables indicating Fund and Bank involvement in a country. First, we use a dummy variable that is one if an IMF program has been in effect for at least five months in a certain year, and zero otherwise (taken from Dreher 2006). The dummy includes programs under the Funds' Structural

⁵ We omit industrialized countries that never received IMF or World Bank loans.

⁶ All variables, their precise definitions, data sources and summary statistics are listed in Appendices A and B.

Adjustment Facility and Poverty Reduction and Growth Facility. Second, we use a similar variable for the World Bank, counting the number of loans given for structural adjustment in effect for at least five months in a certain year, according to the definition from the World Bank's webpage. While countries can only have one IMF program at the time under the facilities covered here, the maximum number of World Bank structural adjustment projects among the countries in our sample is seven (Bangladesh in 1989 and Argentina in 1998 and 1999).

To estimate the impact of Bank and Fund involvement on the probability of major government crises, we resort to a panel discrete choice regression model. We test for the appropriate panel data model using the Hausman test, testing the null-hypothesis that all country fixed effects equal zero by comparing the estimates of a conditional fixed effects Logit model (see Chamberlain 1980) and the unrestricted (pooled) Logit model. The null-hypothesis of no country specific effects is rejected at conventional levels of significance for all model specifications. Hence, conditional fixed effects are used.

We want to ensure that our findings are not biased by temporal dependence in the data. Therefore, we employ Beck et al.'s (1998) remedy to test and correct for temporal dependence. Beck et al. (1998) show that panel Logit data are identical to grouped duration data and suggest dealing with this problem by adding a series of dummy variables to the model marking the number of years since the previous occurrence of an "event." Cubic splines, along with a count variable for the number of years since the last major government crisis, approximate a Cox regression, which allows for non-parametric estimation of duration dependence. The approach is equivalent to including a series of dummy variables that "count" the number of non-crisis years. Thus, there is a dummy variable coded one for country-years without major crisis for exactly one year and 0 otherwise; another dummy coded one for country-years without crises for exactly two years and 0 otherwise, another for three years without crisis, etc. Note that with a long time-series like ours, the dummy variable approach would entail over 30 additional variables. The splines serve to approximate the same controls with fewer variables by essentially grouping similar types of observations. We follow Beck et al. (1998), who suggest three splines to be sufficient. The empirical test for the relevance of temporal dependence is an F-test on the three cubic splines and the years since the last crisis. For our sample the four temporal dependence variables are jointly significant at the one

⁷ The judgment whether this criterion is met is usually coded using information from major international newspapers such as *The New York Times*. This is common practice in the coding of political event variables. The variable's definition is adopted from Rummel (1963).

percent level in all estimations. For more details on the method, we refer readers to Beck et al. (1998).

As one potential problem, IMF programs and World Bank projects might be triggered by the same set of underlying factors also triggering a government crisis. When we fail to explicitly control for these factors, our results might reflect some common cause interdependency and would as such be spurious. In order to address the potential endogeneity problem, we replicate the analysis using the dynamic panel GMM approach developed by Arellano and Bond (1991), Arellano and Bover (1995), and Blundell and Bond (1998). Clearly, assuming a linear probability for the existence of an IMF program is no perfect solution. However, as Janvry et al. (2006) and Hyslop (1999) argue, such linear probability models are more tractable and flexible in the handling of unobserved heterogeneity than linear probability models are. Still, in the GMM estimations we use the number of crises per year and country rather than the dummies for the occurrence of any crisis as dependent variable. We use the two-step estimator implemented by Roodman (2006) in Stata, including Windmeijer's (2005) finite sample correction, introducing the lagged dependent variable and dummies for each year.⁸ We treat the lagged dependent variable and the two IFI variables as endogenous and the additional covariates as strictly exogenous. We report results of the Sargan-Hansen test on the validity of the instruments used (amounting to a test for the exogeneity of the covariates), and the Arellano-Bond test of first and second order autocorrelation. While autocorrelation of first order prevails by definition, second-order autocorrelation must be absent in order for the estimator to be consistent. To anticipate the result, these tests do not reject our model at conventional levels of significance. As a way to minimize the number of instruments in the regressions we collapse the matrix of instruments as suggested in Roodman (2006).9 As a consequence, the number of instruments amounts to 122 for our basic setup.

As preliminary test for the exogeneity of the IFIs' involvement in a country, we also follow a second strategy: We compare the (unconditional) probability of a major government crisis before and after the first involvement of either IFI. For the World Bank the probability of a government crisis is 9.1 percent before the World Bank is first involved and 14.8 percent afterwards. According to a Chi-squared test this difference is significant at the 1 percent level. In case of the IMF the probabilities are 10.9 percent before the first involvement and 13.3 percent afterwards. The p-value for the corresponding Chi-squared test is 0.055. Both non-

⁸ The lagged dependent variable and the time dummies allow at least to some extent to take the temporal dependence into account in the GMM estimations. Moreover, Roodman (2006) suggests including time dummies to prevent contemporaneous correlation of the error term.

⁹ As demonstrated by Bowsher (2002) this is necessary as the power of the Sargan-Hansen test is weak when the number of instruments is large.

parametric tests support that causality runs indeed from IFI involvement to an increased probability of a major government crises. The next section presents the estimation results.

4. Empirical Results

Using the conditional fixed effects approach with time-dependency we first replicate the findings of Gassebner and Jong-A-Pin (2007). Using a general-to-specific approach and Extreme Bounds Analysis (see Sala-i-Martin 1997) they examine which variables are robustly related to major government crises. These robust variables are: the type of political regime and its duration, several variables proxying for political violence (guerilla warfare, assassinations and purges) and several variables that proxy for mass civil protest (demonstrations, riots and general strikes). ¹⁰

Column 1 of Table 1 shows our base model.¹¹ The results suggest that major government crises are more likely in more democratic political systems. As one explanation, parties in such systems can easily express their opinion on controversial policies and events. If opinions differ widely, this may ultimately trigger a crisis. In autocratic systems there is likely more pressure from above to prevent such chain of events from the beginning.

The significantly negative coefficient of the regime duration variable reflects that new political regimes face more political turmoil than long lasting regimes. This can be explained by the fact that newly established (democratic) regimes do not have much experience with political consensus. In newly established regimes there is often a transition phase in which new institutions are built. As the stakes are high, partisan political parties will not be inclined to give in on issues related to the formation of these institutions, with government crisis as consequence. Furthermore, we find crises to be significantly more likely with mass civil protest and political violence, represented by the significant coefficients of demonstrations, guerilla warfare, and purges (while the coefficients of riots and strikes are marginally insignificant). Finally, and unsurprisingly, the results show that economic growth in the previous year reduces the likelihood of a government crisis.

In turn, we examine whether Fund and Bank involvement does affect the probability of a major government crisis. In specifications 2-4, we add our variables of main interest. According to the results, the probability of government crises is strongly affected by World

¹⁰ Arguably, some of these variables might also be affected by the presence of Fund and Bank. When omitting the proxies for political violence and civil protests, however, most of the results reported below remain unchanged.

¹¹ Note that duration dependence is strong in our data. Countries are likely to experience several government crises closely after each other.

¹² To minimize the potential influence of extreme observations we use the logarithm of all these count variables (and added one to all values to avoid missing observations).

Bank programs. At the one percent-level of significance, Bank involvement increases the probability of a crisis. The corresponding marginal effect implies that each World Bank structural loan received in the previous year increases the probability of a major government crisis by 5.4 percent. The effect of IMF programs seems to be even bigger. The estimated coefficient is significant at the five percent-level, while the corresponding marginal effect suggests that the involvement of the IMF in the previous year increases the probability of a major government crisis by 14.70 percent. Column 4 shows that these findings prevail when we include the IMF and World Bank variables at the same time. The corresponding marginal effects change to a probability increase of 4.46 percent for a lagged World Bank project and 11.82 percent for an IMF program. ¹⁴

Column 5 reports results employing the GMM estimator. One drawback of this setup is that the resulting coefficients can no longer be interpreted as probabilities. Note that the lagged dependent variable is significant at the one percent level, with a positive coefficient. Regarding our variables of main interest the results show that the number of crises increases with the number of World Bank projects, at the five percent-level of significance. The IMF program dummy, however, is no longer significant at conventional levels.

In order to test our second hypothesis, we replicate the analysis including proxies for the contemporaneous state of the economy. We thereby assume that people judge the role of the IFIs according to recent economic developments. We use the following variables: economic growth per capita, consumer price index, monetary expansion, current account balance, and foreign reserves in months of imports, all taken from the World Bank's (2006) World Development Indicators. In addition to including the variables itself, we add their interaction with the IFIs' programs (both lagged by one year). Note, however, that interpreting the interaction effect in non-linear models (such as conditional fixed effect Logit) is not analogous to linear models. A simple t-test on the coefficient of the interaction term is not sufficient to see whether the interaction is significant. As demonstrated by Ai and Norton (2003), the interaction effect takes the following form:

$$\frac{\partial^2 F}{\partial x_1 \partial x_2} = \beta_{12} F(1 - F) + (\beta_1 + \beta_{12} x_2)(\beta_2 + \beta_{12} x_1) F(1 - F)(1 - 2F),\tag{1}$$

with $F = \frac{1}{1 + e^{(-X\beta)}}$ and x_1, x_2, x_{12} being the two variables forming the interaction and the interacted variable, respectively. The β 's are the corresponding coefficients indexed

All marginal effects are estimated at the mean of all explanatory variables and setting the fixed effects to zero.
Note that we also tested for the impact of official development aid (in percent of GDP) and GDP per capita.
While the resulting coefficients are completely insignificant, our results are not changed by their inclusion.

accordingly. If one of the interacted variables is a dummy (as in our case the IMF variable), however, we instead have to calculate the discrete difference with respect to the dummy variable of the single derivative (with respect to the continuous variable). In contrast to linear models, the significance of the interaction term depends on all variables included in the model.

Table 2 shows the GMM estimates, where we include the proxies for the state of the economy and their interaction with World Bank projects to the base model of Table 1. ¹⁵ As the t-statistics of the interaction terms are meaningless in the Logit regressions, we do not report the results in the table. Instead we show the graphical representation of the magnitude of the interaction effects and their confidence bounds for significant interaction terms.

According to the results of the Logit estimations, the interaction of World Bank projects with most of our proxies is not significant at conventional levels. The exception is international reserves. Figure 1a depicts the magnitude of the interaction effect of World Bank loans and international reserves. As documented in the equation above, the value of each variable for each observation influences the respective interaction effect. We thus calculate the effect for each observation in our sample. Additionally we calculate the 90 percent-confidence interval for each interaction effect. As can be seen in the figure, the interaction effect is significant for a large share of the observations (where the confidence interval does not include zero). We thus conclude that the interaction between World Bank loans and international reserves affects the probability of government crises. However, we are not interested in the interaction effect as such but in the marginal effect of a World Bank project. The marginal effect amounts to

$$\frac{\partial F}{\partial x_2} = (\beta_2 + \beta_{12}x_1)F(1 - F),\tag{2}$$

where F and the β 's are defined as above and x_2 are World Bank projects. Again, all values of all variables influence the marginal effect and this effect is conditional on the level of international reserves (x_1) . We show the result in Figure 1b. As can be seen, for very low levels of reserves the effect of the World Bank is not statitically different from zero. Accordingly, in bad economic situations World Bank projects do not increase the probability of a government crisis. This is likely to reflect the scapegoat function of the Bank. If countries need the support of the Bank, unpopular policies can be attributed to the Bank, increasing cohesion among the government, and reducing the risk of a crisis. If reserves are above a

¹⁵ We treat the lagged dependent variable, the IFI variable and the interaction variable of the IFI and the proxy for the state of the economy as endogenous.

certain threshold (in our case approx. 2.9 months of imports), an additional World Bank project increases the probability of a crisis at the ten percent level at least. The largest marginal effect is an increase by almost 20 percent, while the average significant effect is around 6 percent. Consequently, the scapegoat function seems to loose its value when reserves are sufficiently high and World Bank support is less desperately needed.

Note, that the GMM results shown in column 5 of Table 2 support this interpretation. At the ten percent level of significance, World Bank projects increase the risk of a crisis when reserves are high, while international reserves as such decrease the probability of a crisis at the five percent level of significance. To calculate the marginal effect of an additional project, we again have to take account of both the conditioning variable (international reserves) and the interaction term. This is not only true for the magnitude of the effect but also for the significance level (see Friedrich, 1982). We therefore show the total marginal effect conditional on reserves graphically. On the y-axis we show the marginal effect of an additional World Bank project and on the x-axis the level of reserves at which the marginal effect is evaluated. Moreover, we include the 90 percent-confidence interval in the graph. As can be seen in Figure 2a, in line with our results of the conditional fixed effects setup an additional World Bank project increases the probability of a crisis (at the ten percent level at least) if international reserves are greater than 2.9 months of imports. In the GMM setup the magnitude of this effect is much larger which is due to the fact that it does not represent a probability, but counts the number of crises.

The GMM estimates of Table 2 show that the result for international reserves does hold for the current account balance also. At the one percent level of significance, the interaction of World Bank projects and the current account balance increases the probability of government crises, while the current account balance itself is not significant at conventional levels. We show the marginal effect of an additional World Bank project conditional on the current account balance in Figure 2b. While the interaction term is statistically highly significant the coefficient is so small that the marginal effect is virtually constant.

Table 3 replicates the analysis for the IMF. Note that none of the interaction terms is significant at conventional levels of significance according to the Logit estimates (which we again do not report in the table). As can be seen in column 3 of Table 3, however, the interaction of inflation and IMF programs is significant at the ten percent level in the GMM setup, with a negative coefficient (while inflation itself is not significant at conventional levels). Figure 3 reports the corresponding marginal effect of IMF programs conditional on the rate of

inflation. The result supports our hypothesis that the scapegoat function of the IMF is more valuable at rough times. With rising inflation, government crises are less likely to arise as a consequence of IMF programs.

In summary, there is some evidence in favour of Hypothesis 2. The state of the economy does matter for the effect of the IFIs' programs. However, rather than being able to profit from potentially successful programs, governments face an increasing risk to enter a crisis when they remain under an IFI program once the economy performs better.

Turning to hypothesis 3, we replace the variables for the existence of IMF programs and World Bank projects by variables accounting for the start of programs and projects. Arguably, the signal associated with conclusion of such arrangements is likely to affect contemporaneous government stability but is unlikely to affect stability throughout the arrangements. Tables 4 and 5 use these variables and add our proxies for the state of the economy in the year a new program is initiated as well as their interaction with the IFI variables. Table 4 reports the GMM results for the World Bank. As can be seen, the conclusion of a World Bank program as such does not induce a government crisis. More importantly, the conditions when a new program is started also do not seem to matter. The same is true when estimated with conditional fixed effects Logit, where none of the interaction terms is statistically different from zero. We therefore do not show the results in graphs.

Table 5 replicates the analysis for the IMF. The results mirror those obtained for the World Bank, showing no support for Hypothesis 3. The (economic) conditions which are present when a new IFI arrangement is initiated do not seem to affect crisis probability.

Finally, we investigate whether and to what extent governments can blame their predecessors for the IFIs' involvement, thereby avoiding the increasing risk of crises as a consequence of this involvement (Hypothesis 4). We therefore separate our IFI variables in two groups of arrangements. The first group of arrangements has been negotiated by the preceding government, so that the current government can not be blamed for their existence. The second group contains programs that the government itself agreed to, and is thus responsible for.

The results of Table 6 support our hypothesis. Only programs concluded by the current government affect crisis probability. This is true for World Bank projects according to all specifications, at least at the five percent level of significance, and for IMF programs according to the Logit estimates when the World Bank variables are excluded. IMF and World Bank arrangements negotiated by preceding governments do not affect crisis

probability in any specification. The corresponding meginal effect (again evaluated at the mean of all explanatory variables and the fixed effects set to zero) are 8.44 percent and 7.55 percent for the World Bank and 17.03 percent for the IMF.

5. Conclusions

In this paper we examined whether and under which circumstances IMF and World Bank projects induce major government crises in borrowing countries. In addition to testing whether the IFIs' involvement per se affects the probability of crises, we also investigated how the effect of the IFIs depends on the current economic situation in the borrowing country. Moreover, we argued that the economic situation at the time the project is concluded affects crisis probability. Finally, we hypothesize that projects should be less harmful to the government when inherited from preceding governments.

According to our results, structural adjustment arrangements significantly increase the probability of major government crises. For the Bank, this central finding persists after a wide array of robustness tests, while the impact of the IMF is not entirely robust to the method of estimation. We also find that governments face an increasing risk to enter a crisis when they remain under IFI programs when the economy performs better. For the World Bank, this is true regarding the level of international reserves and the size of the current account balance; regarding the IMF, inflation is important. The (economic) conditions present once a new IFI program is initiated, however, do not play a major role for the probability of entering a crisis. Finally, only programs concluded by the current government affect crises, while those inherited by preceding governments do not.

Our results bear important policy implications. Arguably, while countries do on average increase the risk of entering a crisis after turning to the IMF and the World Bank, the extent of the crisis depends on how the economy evolves over the period of the IFIs' involvement. This insight might help governments choosing the right time to exit their programs. On average, governments can blame the Bank for unpopular policies when, e.g., international reserves are depleted. However, once reserves are replenished, government might consider terminating existing arrangements in order to avoid major government crises.

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 $\label{thm:conditional} \textbf{Table 1: Hypothesis 1-Government Crisis and IFI involvement} \\$

	(1)	(2)	(3)	(4)	(5)
Democracy	0.045	0.047	0.048	0.043	0.002
•	(3.10)***	(3.02)***	(3.14)***	(2.76)***	(1.50)
Regime duration	-0.012	-0.010	-0.010	-0.011	0.001
	(1.88)*	(1.52)	(1.47)	(1.59)	(0.94)
Riots (log)	0.224	0.152	0.141	0.143	0.057
	(1.58)	(1.01)	(0.95)	(0.96)	(1.48)
Demonstrations (log)	0.791	0.817	0.819	0.814	0.139
	(6.08)***	(5.97)***	(5.99)***	(5.94)***	(4.52)***
Strikes (log)	0.320	0.367	0.377	0.364	0.134
	(1.64)	(1.80)*	(1.85)*	(1.79)*	(2.28)**
Guerilla warfare (log)	0.914	0.444	0.422	0.434	0.079
	(4.22)***	(1.71)*	(1.63)	(1.68)*	(1.68)*
Assassinations (log)	0.248	0.379	0.365	0.363	0.079
	(1.61)	(2.35)**	(2.25)**	(2.24)**	(2.13)**
Purges (log)	1.120	1.344	1.336	1.361	0.234
	(4.44)***	(5.11)***	(5.10)***	(5.17)***	(2.85)***
Growth per capita (t-1)	-0.028	-0.035	-0.037	-0.038	-0.002
	(2.76)***	(3.28)***	(3.40)***	(3.52)***	(2.31)**
Number of World Bank projects (t-1)		0.220		0.181	0.029
		(2.62)***		(2.10)**	(2.05)**
IMF program, dummy (t-1)			0.592	0.475	0.001
			(2.50)**	(1.95)*	(0.02)
Major government crises (t-1)					0.124
					(3.22)***
Method	Logit	Logit	Logit	Logit	GMM
Observations	2534	2406	2406	2406	3254
Number of country	94	92	92	92	132
Number of Instruments					122
AR1 Test (p-value)					0.00
AR2 Test (p-value)					0.49
Sargan-Hansen Test (p-value)					0.31

Notes: Columns (1)-(4) show the results of conditional fixed effects Logit regressions controlling for temporal dependence. The dependent variable is 1 if there was at least one major government crisis in a given country and year. Column (5) represents the result of dynamic panel GMM estimation including fixed time effects. The dependent variable in column (5) is the number of major government crises in a given country and year. The absolute value of the z statistics is given in parenthesis. */**/*** indicates significance at the 10/5/1-percent significance level.

Table 2: Hypothesis 2 – Government Crisis, World Bank, and current state of economy

	(1)	(2)	(3)	(4)	(5)
Democracy	0.003	0.004	0.003	0.004	0.012
	(1.71)*	(1.82)*	(1.84)*	(1.86)*	(1.78)*
Regime duration	0.000	0.002	0.001	0.000	0.005
	(0.17)	(1.38)	(0.83)	(0.40)	(1.54)
Riots (log)	0.049	0.059	0.038	0.043	0.050
	(1.50)	(1.55)	(0.97)	(1.21)	(1.29)
Demonstrations (log)	0.129	0.137	0.142	0.138	0.149
	(4.52)***	(5.31)***	(4.66)***	(4.61)***	(4.41)***
Strikes (log)	0.134	0.120	0.154	0.139	0.115
	(2.47)**	(2.32)**	(2.91)***	(2.48)**	(2.00)**
Guerilla warfare (log)	0.072	0.061	0.069	0.086	0.068
	(1.33)	(1.13)	(1.24)	(1.60)	(0.90)
Assassinations (log)	0.081	0.038	0.070	0.060	0.053
D (1)	(2.14)**	(0.85)	(1.75)*	(1.53)	(1.40)
Purges (log)	0.202	0.198	0.207	0.176	0.178
County was assisted (4.1)	(2.46)**	(1.79)*	(1.97)*	(1.99)**	(1.78)*
Growth per capita (t-1)	-0.002	-0.002	-0.003	-0.004	0.001
Number of World Bank projects (t-1)	(1.47)	(1.04) 0.060	(1.93)* 0.040	(2.04)**	(0.24) -0.066
Number of world Bank projects (t-1)	0.028 (2.02)**	(2.86)***	(1.77)*	0.036 (1.45)	(1.08)
WB projects (t-1) • growth p.c. (t-1)	-0.003	(2.80)	(1.77)	(1.43)	(1.08)
WB projects (t-1) • growth p.c. (t-1)	(0.84)				
Current account balance (% of GDP), (t-1)	(0.64)	-0.747			
Current account barance (% of GDI), (t-1)		(0.62)			
WB projects (t-1) · current account (t-1)		8.23E-12			
WD projects (t 1) current account (t 1)		(3.08)***			
Inflation (t-1)		(3.00)	-5.38E-05		
mation (t 1)			(0.63)		
WB projects (t-1) · inflation (t-1)			-2.35E-06		
I July			(0.03)		
Monetary expansion (t-1)			, ,	-1.94E-04	
• •				(1.09)	
WB projects (t-1) · monetary expansion (t-1)				1.07E-04	
				(0.79)	
International reserves (in months of imports), (t-1)					-0.140
					(2.22)**
WB projects (t-1) · reserves (t-1)					0.033
					(1.79)*
Major government crises (t-1)	0.126	0.149	0.139	0.119	0.146
	(3.08)***	(2.69)***	(3.27)***	(2.86)***	(2.67)***
Constant	0.077	0.019	0.066	0.084	0.563
	(2.27)**	(0.41)	(1.91)*	(2.24)**	(2.10)**
	GMM	GMM	GMM	GMM	GMM
Observations	3254	2504	2709	3027	2433
Number of group(wdi)	132	124	120	127	125
Number of Instruments	136.00	135.00	136.00	136.00	135.00
AR1 Test (p-value)	0.00	0.00	0.00	0.00	0.00
AR2 Test (p-value)	0.49	0.38	0.70	0.62	0.23
Sargan-Hansen Test (p-value)	0.66	0.74	0.89	0.30	0.64

Notes: Shows the results of dynamic panel GMM estimations including fixed time effects, where the dependent variable is the number of major government crises in a given country and year. The absolute value of the z statistics is given in parenthesis. */**/*** indicates significance at the 10/5/1-

Table 3: Hypothesis 2 - Government Crisis, IMF, and current state of economy

-	(1)	(2)	(3)	(4)	(5)
Democracy	0.002	0.003	0.002	0.002	0.006
	(1.13)	(1.44)	(1.36)	(1.49)	(1.50)
Regime duration	-0.000	0.000	0.000	-0.000	0.002
	(0.15)	(0.28)	(0.23)	(0.17)	(0.81)
Riots (log)	0.050	0.057	0.046	0.040	0.061
	(1.54)	(1.53)	(1.15)	(1.15)	(1.57)
Demonstrations (log)	0.101	0.129	0.122	0.113	0.118
	(3.83)***	(3.94)***	(3.98)***	(3.56)***	(3.55)***
Strikes (log)	0.170	0.133	0.148	0.165	0.128
	(3.67)***	(2.42)**	(2.91)***	(3.22)***	(2.26)**
Guerilla warfare (log)	0.019	0.044	0.026	0.033	0.035
	(0.39)	(0.77)	(0.49)	(0.59)	(0.60)
Assassinations (log)	0.114	0.059	0.107	0.102	0.061
	(3.83)***	(1.43)	(2.68)***	(2.69)***	(1.56)
Purges (log)	0.221	0.205	0.163	0.160	0.128
	(3.43)***	(2.17)**	(1.90)*	(1.99)**	(1.20)
Growth per capita (t-1)	-0.003	-0.002	-0.004	-0.004	-0.001
	(2.76)***	(1.08)	(2.75)***	(3.04)***	(0.49)
IMF program, dummy (t-1)	0.008	0.023	0.022	0.000	-0.039
	(0.28)	(0.60)	(0.76)	(0.01)	(0.34)
IMF program (t-1) • growth p.c. (t-1)	-0.005				
	(1.24)				
Current account balance (% of GDP, t-1)		-0.454			
		(0.52)			
IMF program (t-1) · current account (t-1)		7.14E-11			
		(0.82)			
Inflation (t-1)			-4.53E-06		
			(0.10)		
IMF program $(t-1)$ · inflation $(t-1)$			-0.001		
			(1.98)*		
Monetary expansion (t-1)				-2.19E-04	
				(1.05)	
IMF program $(t-1)$ · monetary expansion $(t-1)$				-1.97E-04	
				(0.47)	
International reserves (in months of imports, t-1)					-0.040
					(0.71)
IMF program $(t-1)$ · reserves $(t-1)$					0.021
					(0.55)
Major government crises (t-1)	0.112	0.133	0.140	0.117	0.152
	(3.26)***	(2.16)**	(3.20)***	(2.99)***	(2.73)***
Constant	0.087	0.082	0.075	0.086	0.210
	(3.55)***	(1.63)	(1.87)*	(2.36)**	(1.11)
Method	GMM	GMM	GMM	GMM	GMM
Observations	3254	2504	2709	3027	2433
Number of group(wdi)	132	124	120	127	125
Number of Instruments	103	103	103	103	103
AR1 Test (p-value)	0.00	0.00	0.00	0.00	0.00
AR2 Test (p-value)	0.53	0.36	0.74	0.56	0.25
Sargan-Hansen Test (p-value)	0.89	0.43	0.71	0.57	0.48

Notes: Shows the results of dynamic panel GMM estimations including fixed time effects, where the dependent variable is the number of major government crises in a given country and year.

Table 4: Hypothesis 3 – Government Crisis, state of economy, new World Bank projects

	(1)	(2)	(2)	(4)	(5)
Damogragy	0.004	(2) 0.004	0.004	0.003	(5)
Democracy	(2.06)**		(2.08)**		
Pagima duration	0.000	(1.93)* 0.000	-0.000	(1.75)* 0.001	(1.56) 0.002
Regime duration					
Piete (leg)	(0.36) 0.040	(0.15)	(0.19)	(0.65)	(0.77)
Riots (log)		0.034	0.039	0.030	0.024
Demonstrations (les)	(1.32)	(0.90)	(0.98)	(0.84)	(0.63)
Demonstrations (log)	0.147	0.135 (4.84)***	0.139	0.142	0.135
Striles (less)	(5.38)***	` ′	(4.40)*** 0.160	0.112	(4.28)***
Strikes (log)	0.114	0.153			0.134
Cuarilla marfara (laa)	(2.36)**	(2.80)***	(3.19)***	(2.10)**	(3.08)***
Guerilla warfare (log)	0.069	0.045	0.070	0.065	0.060
Associations (loc)	(1.40)	(0.83)	(1.49)	(1.25)	(1.04)
Assassinations (log)	0.081	0.057	0.055	0.061	0.054
D (1)	(1.96)*	(1.36)	(1.44)	(1.43)	(1.37)
Purges (log)	0.221	0.168	0.162	0.311	0.301
Crowth man conita	(2.75)***	(1.87)*	(1.45)	(2.89)***	
Growth per capita	-0.007	-0.008	-0.008	-0.006	-0.007
Many Washington and a second	(4.01)***	(4.33)***	(3.61)***	(2.42)**	(3.45)***
New World Bank projects	-0.026	-0.037	-0.003	0.012	-0.014
N WD ' d	(0.95)	(0.48)	(0.04)	(0.16)	(0.11)
New WB projects · growth p.c.	-0.002				
C (1.1 (0) (CDD)	(0.62)	0.125.05			
Current account balance (% of GDP)		-9.13E-05			
N WD		(1.14)			
New WB projects · current account		1.69E-05			
I CI .:		(0.27)	1.500.04		
Inflation			-1.52E-04		
Name WD and in the ling Classica			(1.26)		
New WB projects · inflation			-8.32E-05		
			(0.58)	0.270	
Monetary expansion				-0.370	
N WD				(0.53)	
New WB projects · monetary expansion				0.153	
				(0.37)	0.060
International reserves (in months of imports)					-0.060
N WD '					(1.43)
New WB projects · reserves					-0.009
26.1	0.110	0.156	0.142	0.150	(0.31)
Major government crises (t-1)	0.119	0.156	0.143	0.152	0.151
	(3.11)***	(3.52)***	(3.24)***		(3.08)***
Constant	0.103	0.107	0.122	0.075	0.343
N. (1 1	(2.54)**	(1.90)*	(2.48)**	(1.35)	(1.78)*
Method	GMM	GMM	GMM	GMM	GMM
Observations	3279	2764	3077	2594	2526
Number of group(wdi)	133	121	128	125	126
Number of Instruments	138	137	137	136	136
AR1 Test (p-value)	0.00	0.00	0.00	0.00	0.00
AR2 Test (p-value)	0.53	0.54	0.52	0.77	0.83
Sargan-Hansen Test (p-value)	0.37	0.76	0.29	0.50	0.87

Notes: Shows the results of dynamic panel GMM estimations including fixed time effects, where the dependent variable is the number of major government crises in a given country and year.

Table 5: Hypothesis 3 – Government Crisis, state of economy, new IMF program

Commoracy						
Regime duration (1.94)* (2.05)** (1.70)* (1.34) (1.64) Regime duration 0.000 -0.000 -0.000 0.001 -0.000 Riots (log) 0.024 0.026 0.028 0.028 0.018 Demonstrations (log) 0.124 0.123 0.115 0.11 0.131 Strikes (log) 0.124 (4.73)*** (4.81)*** (4.15)*** 4.81)** Strikes (log) 0.056 0.050 0.052 0.031 0.031 Guerilla warfare (log) 0.056 0.050 0.052 0.030 0.052 Guerilla warfare (log) 0.056 0.050 0.052 0.030 0.052 Assassinations (log) 0.102 0.084 0.097 0.062 0.068 Purges (log) 0.102 0.084 0.097 0.062 0.068 Growth per capita (0.05)*** (2.59)*** (1.60) 0.177* (2.78)*** (2.91)** (2.59)** New IMF program, dummy (0.31 0.021						
Regime duration 0.000 -0.000 0.000 0.001 0.002 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.002 0.002 0.003	Democracy					
Riots (log) (0.00) (0.024) (0.024) (0.024) (0.024) (0.024) (0.024) (0.028) (0.018)				, ,		, ,
Riots (log) 0.024 0.026 0.028 0.008 0.018 Demonstrations (log) 0.14 0.024 0.024 0.025 0.15 Strikes (log) 0.126 0.130 0.139 0.134 0.139 Guerilla warfare (log) 0.056 0.050 0.052 0.030 0.035 Assassinations (log) 0.016 0.034 0.079 0.020 0.030 Assassinations (log) 0.056 0.050 0.090 0.052 0.030 Purges (log) 0.164 0.127 0.015 0.016 Corowth per capita 0.064 0.109 0.005 0.000 Growth per capita 0.006 0.000 0.000 0.000 0.000 New IMF program, dummy 0.031 0.021 0.000 0.000 0.000 New IMF program e growth p.c. 0.000 0.00057 0.000 0.000 0.000 0.000 New IMF program inflation 1.132 0.000037 0.000 0.000 0.000 0.000 <td>Regime duration</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Regime duration					
Mathematical part			` ′	, ,		
Demonstrations (10g)	Riots (log)					
Strikes (log) (4.73)*** (4.81)*** (4.08)*** (4.15)*** (4.81)*** Strikes (log) 0.126 0.143 0.130 0.124 0.131 Guerilla warfare (log) 0.056 0.050 0.052 0.030 0.035 Assassinations (log) (1.11) (0.75) (0.90) 0.522 0.082 Purges (log) 0.164 0.127 0.125 0.150 0.279* Growth per capita 0.164 0.127 0.125 0.105 2.09** Growth per capita 0.006 0.006 0.005 0.005 0.005 0.005 Growth per capita 0.006 0.006 0.006 0.005 0.005 0.005 0.006 Mew IMF program, dummy 0.031 0.021 0.069 0.037 0.293 New IMF program · growth p.c. 0.004 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001			, ,	, ,		
Strikes (log) 0.126 (2.79)** 0.134 (2.67)** 0.134 (2.67)** 0.214 (2.49)** 0.214 (2.54)** 0.214 (2.54)** 0.214 (2.54)** 0.214 (2.54)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.035 (2.67)** 0.020 (2	Demonstrations (log)					
Carry Carr						, ,
Guerilla warfare (log) 0.056 0.050 0.052 0.030 0.032 0.078 Assassinations (log) 0.1012 0.084 0.097 0.062 0.084 Purges (log) 0.164 0.207* 0.204** 0.169* 0.201** 0.201** 0.201** 0.201** 0.201** 0.201** 0.201** 0.005** 0.005* 0.005** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.006** 0.007** 0.0	Strikes (log)					
Assassinations (log)						
Assassinations (log) 0.102 (2.98)** 0.097 (2.94)*** 0.062 (2.02)** Purges (log) 0.164 (2.59)** (1.69) (2.74)** (2.74	Guerilla warfare (log)					
Purges (log) (2.98)*** (2.50)** (2.94)*** (1.69)* (2.02)** Purges (log) 0.164 0.127 0.125 0.315 0.247 (2.59)*** (1.60) 1.077* 0.278** (2.54)** Growth per capita 0.000 -0.006 -0.006 -0.006 -0.006 -0.008 -0.008 -0.008 -0.008 -0.009 -0.009 -0.009 -0.293 -0.293 -0.000 -0.009 -0.009 -0.009 -0.009 -0.009 -0.009 -0.0000 -0.000						
Purges (log) 0.164 (2.59)** 0.127 (1.60) 0.127 (1.77)* 0.78)*** 0.247 (2.54)** Growth per capita -0.006 (4.05)*** -0.006* -0.006* -0.005* -0.006 -0.006* -0.006* -0.006* -0.006* -0.006* 3.61)**** 0.610*** 2.61)*** 0.610** 3.61)**** 0.249* 0.009** -0.009 0.037 -0.293 0.293 0.024 (1.31) 0.024 (1.32) 0.014 0.154 0.154 0.023* 0.023* 0.0293 0.023* 0.0293 0.023* 0.023* 0.023* 0.024* 0.024 0.014 0.154* 0.024*	Assassinations (log)					
Growth per capita (2.59)** (1.60) (1.77)* (2.78)*** (2.54)** Growth per capita -0.006 -0.006 -0.005 -0.005 -0.006 -0.006 -0.006 -0.006 -0.006 -0.008 -0.001* -0.008* -0.001* -0.008* -0.008* -0.008* -0.009		, ,				
Growth per capita -0.006 (4.05)*** -0.005 (3.52)**** 0.005 (3.61)*** 0.011 (3.61)*** 0.069 (3.61)*** 0.011 (3.61)*** 0.021 (3.60)*** 0.037 (2.61)*** 0.023 (3.61)*** New IMF program, dummy (1.31) (0.24) (0.24) (1.32) (0.14) (1.32) (0.14) (1.54) (0.57) New IMF program · growth p.c. (0.96) -0.0000577 (0.67)	Purges (log)					
New IMF program, dummy		, ,	, ,			
New IMF program, dummy	Growth per capita					
Mayor gram · growth p.c. (1.31) (0.24) (1.32) (0.14) (1.54)						
New IMF program · growth p.c.	New IMF program, dummy					
Current account balance (% of GDP) Rew IMF program · current account Inflation Rew IMF program · monetary expansion Rew IMF program · reserves (in months of imports) Rew IMF program · reserves Rew IMF program · monetary expansion Rew IMF program · nonetary expansion		, ,	(0.24)	(1.32)	(0.14)	(1.54)
Current account balance (% of GDP)	New IMF program · growth p.c.	0.004				
New IMF program · current account		(0.96)				
New IMF program · current account -1.12E-04 (0.13) Inflation -8.59E-05 (0.57) New IMF program · inflation 0.000138 (0.73) Monetary expansion -0.023 (0.70) New IMF program · monetary expansion -0.022 (0.33) International reserves (in months of imports) -0.208 (0.42) New IMF program · reserves -1.715 (1.40) Major government crises (t-1) 0.122 (0.127 (0.130) (0.133) (0.141) Major government crises (t-1) 0.122 (0.250)** (2.50)** (2.92)*** (2.52)** (2.65)*** Constant 0.086 (0.096 (0.096) (0.098 (0.195) (0.102) (0.102) Method GMM (GMM (GMM (GMM (GMM (GMM (GMM (GMM	Current account balance (% of GDP)		-0.0000577			
Inflation			(0.67)			
Inflation -8.59E-05 (0.57) New IMF program · inflation 0.000138 (0.73) Monetary expansion -0.023 (0.70) New IMF program · monetary expansion -0.022 (0.33) International reserves (in months of imports) -0.208 (0.42) New IMF program · reserves -1.715 (1.40) Major government crises (t-1) 0.122 (0.127 (0.130) (0.133) (0.141) Major government crises (t-1) 0.086 (0.096) (0.098) (0.198) (0.195) (0.102) Constant 0.086 (0.096) (0.098) (0.195) (0.102) (0.103) Method GMM (GMM) (New IMF program · current account		-1.12E-04			
New IMF program · inflation			(0.13)			
New IMF program · inflation 0.000138 (0.73) Monetary expansion -0.023 (0.70) New IMF program · monetary expansion -0.022 (0.33) International reserves (in months of imports) -0.208 (0.42) New IMF program · reserves -1.715 (1.40) Major government crises (t-1) 0.122 (0.127 (0.130) (0.133) (0.141) Constant 0.086 (0.096 (0.096) (0.098) (0.92)*** (2.52)*** (2.65)**** Constant 0.086 (0.096) (0.098) (0.098) (0.195) (0.102) Method GMM (GMM)	Inflation			-8.59E-05		
Monetary expansion				(0.57)		
Monetary expansion	New IMF program · inflation			0.000138		
New IMF program · monetary expansion International reserves (in months of imports) New IMF program · reserves International reserves (in months of imports) New IMF program · reserves New IMF program · reserves Najor government crises (t-1) O.122 O.127 O.130 O.133 O.141 (3.67)*** (2.50)** (2.92)*** (2.52)** (2.65)*** Constant O.086 O.096 O.098 O.098 O.195 O.102 (2.56)** Method Observations Observations 3279 Ommorphism Omm				(0.73)		
New IMF program · monetary expansion	Monetary expansion				-0.023	
International reserves (in months of imports) New IMF program · reserves Najor government crises (t-1) Constant					(0.70)	
International reserves (in months of imports)	New IMF program · monetary expansion				-0.022	
New IMF program · reserves Co.42) New IMF program · reserves Co.1715					(0.33)	
New IMF program · reserves -1.715 Major government crises (t-1) 0.122 0.127 0.130 0.133 0.141 (3.67)*** (2.50)*** (2.92)*** (2.52)** (2.65)*** Constant 0.086 0.096 0.098 0.195 0.102 (2.56)** (1.72)* (3.03)*** (1.39) (2.01)** Method GMM GMM GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	International reserves (in months of imports)					-0.208
Major government crises (t-1) 0.122 0.127 0.130 0.133 0.141 Constant (3.67)*** (2.50)** (2.92)*** (2.52)** (2.65)*** Constant 0.086 0.096 0.098 0.195 0.102 Method GMM GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106						(0.42)
Major government crises (t-1) 0.122 0.127 0.130 0.133 0.141 Constant (3.67)*** (2.50)** (2.92)*** (2.52)** (2.65)*** Constant 0.086 0.096 0.098 0.195 0.102 (2.56)*** (1.72)* (3.03)*** (1.39) (2.01)** Method GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	New IMF program · reserves					-1.715
Constant (3.67)*** (2.50)** (2.92)*** (2.52)** (2.65)*** Constant 0.086 0.096 0.098 0.195 0.102 (2.56)*** (1.72)* (3.03)*** (1.39) (2.01)** Method GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106						(1.40)
Constant 0.086 (2.56)** 0.096 (1.72)* 0.098 (3.03)*** 0.195 (2.01)** Method GMM GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	Major government crises (t-1)	0.122	0.127	0.130	0.133	0.141
(2.56)** (1.72)* (3.03)*** (1.39) (2.01)** Method GMM GMM<		(3.67)***	(2.50)**	(2.92)***	(2.52)**	(2.65)***
Method GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	Constant	0.086	0.096	0.098	0.195	0.102
Method GMM GMM GMM GMM GMM Observations 3279 2764 3077 2526 2594 Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106		(2.56)**	(1.72)*	(3.03)***	(1.39)	(2.01)**
Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	Method			GMM		
Number of group(wdi) 133 121 128 126 125 Number of Instruments 107 106 106 106 106	Observations	3279	2764	3077	2526	2594
Number of Instruments 107 106 106 106 106						
AKT Test (p-value) 0.00 0.00 0.00 0.00	AR1 Test (p-value)	0.00	0.00	0.00	0.00	0.00
AR2 Test (p-value) 0.50 0.77 0.67 0.86 0.72	•					
Sargan-Hansen Test (p-value) 0.76 0.95 0.76 0.59 0.77	*					

Notes: Shows the results of dynamic panel GMM estimations including fixed time effects, where the dependent

variable is the number of major government crises in a given country and year.

The absolute value of the z statistics is given in parenthesis. */**/*** indicates significance at the 10/5/1percent significance level.

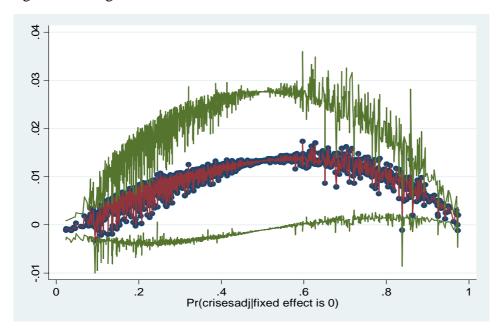
Table 6: Hypothesis 4 – Government Crisis and inherited IFIs

	(1)	(2)	(3)	(4)	(5)
Democracy	0.050	0.049	0.046	0.002	0.002
	(3.19)***	(3.17)***	(2.90)***	(1.40)	(1.61)
Regime duration	-0.011	-0.010	-0.011	0.000	0.000
	(1.54)	(1.48)	(1.58)	(0.20)	(0.13)
Riots (log)	0.157	0.077	0.113	0.070	0.029
	(1.02)	(0.50)	(0.73)	(1.98)*	(0.93)
Demonstrations (log)	0.819	0.844	0.835	0.136	0.120
	(5.89)***	(6.10)***	(5.97)***	(3.88)***	(4.23)***
Strikes (log)	0.432	0.394	0.429	0.118	0.156
	(2.09)**	(1.92)*	(2.07)**	(2.00)**	(3.34)***
Guerilla warfare (log)	0.398	0.349	0.341	0.056	0.037
	(1.51)	(1.33)	(1.28)	(1.10)	(0.73)
Assassinations (log)	0.352	0.379	0.359	0.085	0.112
	(2.16)**	(2.32)**	(2.19)**	(2.04)**	(3.35)***
Purges (log)	1.353	1.365	1.377	0.193	0.233
	(5.06)***	(5.16)***	(5.12)***	(2.34)**	(3.57)***
Growth per capita (t-1)	-0.040	-0.039	-0.043	-0.002	-0.003
	(3.60)***	(3.53)***	(3.80)***	(1.90)*	(3.40)***
Number of World Bank projects (t-1), current government	0.344		0.306	0.048	
	(3.62)***		(3.12)***	(2.55)**	
Number of World Bank projects (t-1), previous government	-0.014		0.005	0.108	
	(0.09)		(0.03)	(1.32)	
IMF program, dummy (t-1), current government		0.688	0.425		0.016
		(2.45)**	(1.45)		(0.43)
IMF program, dummy (t-1), previous government		-0.081	-0.121		0.012
		(0.19)	(0.29)		(0.09)
Major government crises (t-1)				0.109	0.122
				(2.66)***	(3.28)***
Constant				0.051	0.066
				(1.52)	(2.50)**
Method	Logit	Logit	Logit	GMM	GMM
Observations	2314	2355	2289	3127	3215
Number of country	91	90	90	132	132
Number of Instruments				103	88
AR1 Test (p-value)				0.00	0.00
AR2 Test (p-value)				0.94	0.48
Sargan-Hansen Test (p-value)				0.79	0.68

Notes: "Logit" show the results of conditional fixed effects Logit regressions accounting for temporal dependence. The dependent variable is 1 when there was at least one major government crisis in a given country and year. "GMM" represents the results of dynamic panel GMM estimations including fixed time effects, where the dependent variable is the number of major government crises in a given country and year.

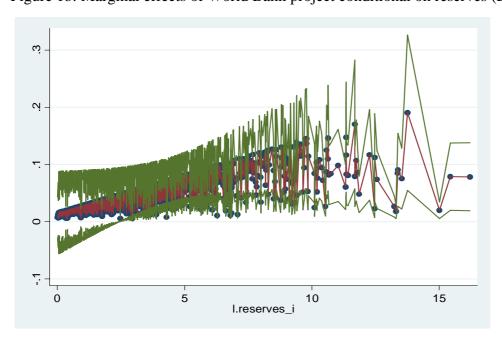
Figure 1: Hypothesis 2 – Government Crisis, World Bank, and current state of economy

Figure 1a: Marginal effects of the interaction term World Bank · international reserves (Logit)



Notes: Shows the effect of the interaction term between World Bank projects and international reserves for the conditional fixed effects Logit regression. Each dot represents the marginal effect for one observation. Also shown is the 90 percent-confidence interval for each marginal effect. Country fixed effects are set to zero.

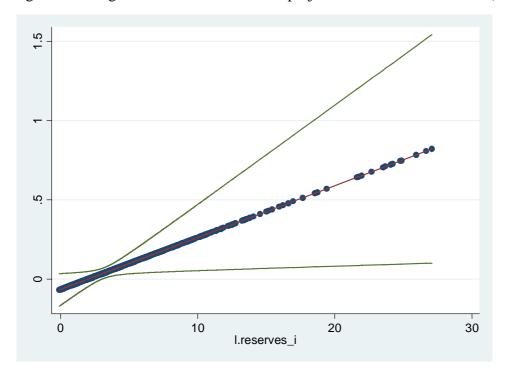
Figure 1b: Marginal effects of World Bank project conditional on reserves (Logit)



Notes: Shows the marginal effect of World Bank project conditional on international reserves for the conditional fixed effects Logit regression. Each dot represents the marginal effect for one observation. Also shown is the 90 percent-confidence interval for each marginal effect. Country fixed effects are set to zero.

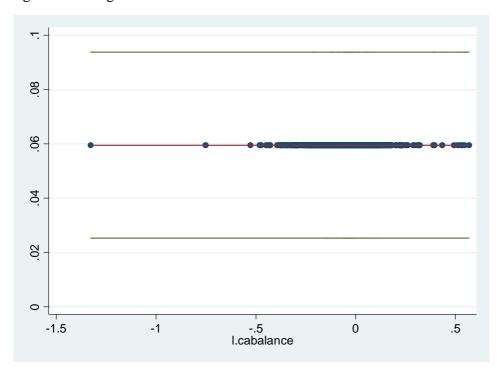
Figure 2: Hypothesis 2 – Government Crisis, World Bank, and current state of economy

Figure 2a: Marginal Effect of World Bank project conditional on reserves (GMM)



Notes: Shows the marginal effect of World Bank project conditional on lagged international reserves for the GMM estimations. Each dot represents the marginal effect for one observation. Also shown is the 90 percent-confidence interval for each marginal effect.

Figure 2b: Marginal Effect of World Bank loan conditional on current account (GMM)



Notes: Shows the marginal effect of World Bank project conditional on lagged current account balance for the GMM estimations. Each dot represents the marginal effect for one observation. Also shown is the 90 percent-confidence interval for each marginal effect.

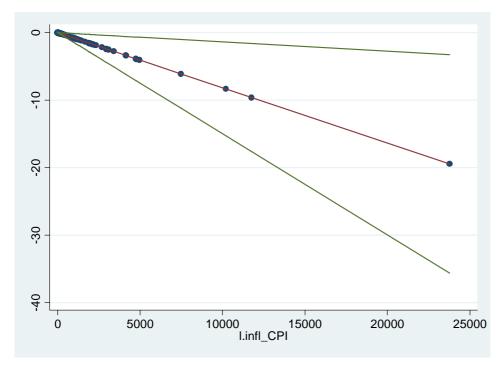


Figure 3: Hypothesis 2 - Government Crisis, IMF, and current state of economy

Notes: Shows the marginal effect of IMF program conditional on lagged inflation for the GMM estimations. Each dot represents the marginal effect for one observation. Also shown is the 90 percent-confidence interval for each marginal effect.

Appendix A. List of variables, definitions and sources

Variable	Definition	Source
Major	Any rapidly developing situation that threatens to bring the	Databanks
government	downfall of the present regime, excluding situations of revolt	International
crises	aimed at such overthrow	(2005)
IMF programs	Dummy variable that is one if an IMF program has been in	Dreher
1 0	effect for at least five months in a certain year, and zero	(2006)
	otherwise. Includes programs under the Structural Adjustment	,
	Facility and Poverty Reduction and Growth Facility.	
World Bank	Variable counting the number of World Bank projects in effect	www.world
projects	for at least five months in a certain year. Includes projects	bank.org
1 3	given for structural adjustment, according to the definition from	C
	the World Bank's webpage.	
Democracy	Polity2 score, represents the difference between a countries	Marshall and
	democracy and autocracy score. Ranges from -10 to 10 with	Jaggers
	high numbers indicating higher levels of democracy.	(2002)
Regime duration	The number of years that a political regime is in place.	Marshall and
regime duration	The number of yours that a pointed regime is in place.	Jaggers
		(2002)
Riots	Any violent demonstration or clash of more than 100 citizens	Databanks
THOUS	involving the use of physical force	International
	involving the use of physical force	(2005)
Demonstrations	Any peaceful public gathering of at least 100 people for the	Databanks
Demonstrations	primary purpose of displaying or voicing their opposition to	International
	government policies or authority, excluding demonstrations of	(2005)
	a distinctly anti-foreign nature	(2003)
Strikes	Any strike of 1,000 or more industrial or service workers that	Databanks
Strikes	involves more than one employer and that is aimed at national	International
	government policies or authority.	(2005)
Guerilla warfare	Any armed activity, sabotage, or bombings carried on by	Databanks
Guerma warrare	independent bands of citizens or irregular forces and aimed at	International
	the overthrow of the present regime.	(2005)
Assassinations	Any politically motivated murder or attempted murder of a	Databanks
Assassinations	high government official or politician	International
	ligh government official of politician	(2005)
Durgas	Number of systematic repressions (or eliminations) by jailing	Databanks
Purges	or execution of political opposition within the rank of the	International
	regime or the opposition	(2005)
Economic growth	real GDP growth per capita in constant (2000) US\$	World Bank
per capita	icai ODI giowiii pei capita ili colistatit (2000) OS\$	(2006)
Inflation	Inflation, consumer prices (annual percent)	(2006) World Bank
manon	initation, consumer prices (annuar percent)	
International	International reserves in month of imports	(2006) World Bank
reserves	International reserves in month of imports	
	Manay and quasi manay growth (annual narrount)	(2006) World Bonk
Money growth	Money and quasi money growth (annual percent)	World Bank
Current account	(Current account belongs Delenge of Dermants in assets IIGh)	(2006) World Pank
balance (percent of	(Current account balance, Balance of Payments in current US\$)	World Bank
GDP)	/ (GDP in current US \$)	(2006)
001)		

Appendix B: Summary Statistics

Variable	Obs	Mean	Std. Dev.	Min	Max
Major government crises	5861	0.16	0.50	0	7
Crisis dummy	5861	0.12	0.32	0	1
World Bank projects	5565	0.29	0.73	0	7
IMF program dummy	5565	0.10	0.30	0	1
Democracy	5017	0.05	7.56	-10	10
Regime duration	4897	22.06	28.00	0	193
Riots (log)	5861	0.15	0.43	0	3.89
Demonstrations (log)	5861	0.22	0.51	0	3.64
Strikes (log)	5861	0.08	0.26	0	2.64
Guerilla warfare (log)	5861	0.11	0.29	0	3.56
Assassinations (log)	5861	0.09	0.33	0	3.26
Purges (log)	5861	0.04	0.20	0	3.56
Economic growth per capita	5680	1.68	6.34	-50.49	89.83
Inflation	3542	56.77	562.24	-21.67	23773
International reserves	3365	3.47	3.05	-0.09	27.08
Money growth	3918	46.83	339.62	-81.70	12513
Current account balance (percent of GDP)	3299	-0.05	0.11	-2.40	0.56