

Empirical evidence

Table 3.3: OLS regressions for government consumption and log GDP/GNP in comparison to government consumption and log population

| Dependent variable: government consumption in percent of GDP | Period/ year | Logpop | Loggdp (Loggnp) | Adj. R ² | Number of observations |
|--|-----------------|----------------------|----------------------|---------------------|---------------------------|
| PWT 5.6 | 1980–84 | -2.727** (-2.860) | | 0.052 | 147 |
| PWT 5.6 | 1980–84 | | -4.261** (-6.047) | 0.179 | 142 |
| PWT 5.6 | 1990 | -2.258* (-1.984) | | 0.034 | 115 |
| PWT 5.6 | 1990 | | -3.985** (-5.195) | 0.190 | 110 |
| PWT 5.6 | 1992 | -1.401 (-1.088) | | 0.002 | 92 |
| PWT 5.6 | 1992 | | -3.481** (-3.862) | 0.110 | 85 |
| IMF | 1993–97 | -2.531** (-4.372) | | 0.119 | 125 |
| IMF | 1993–97 | | -0.159 (-0.297) | -0.008 | 115 |

Sources: Penn World Tables (PWT) 5.6, UNDP and IMF (national accounts).

*** significant at 1% level; * significant at 5% level; t statistics based on White heteroscedasticity-consistent standard errors in parentheses.*

The result of the dependence on the right proxy for country size can, however, be interpreted in another way. Since from a theoretical viewpoint it is rather obvious that the number of inhabitants is a better proxy for country size than GDP, especially when the provision of public goods is at stake, the results may simply be considered as empirical evidence for the superiority of one of the two proxies.

3.2.7 Multiple regressions with politics and geography

The preceding sections did not leave scope for political and geographic variables in the regressions. A lot of them have been proposed in related studies, from which we decided to choose only three: political stability,