

Data for Public Employment Analysis

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1 New variable in the data set

- GDP per capita (log): $GDPVD$ (PPP, in USD) over population in log. Formula: $\log(GDPVD/POP)$, where POP is interpolated from annual data (source: OECD).
- Government revenue (defined as percent of GDP) . Formula: $100 \cdot YRG/GDPVD$, with YRG interpolated from annual data (why not $YRGT$?).
- Net lending NLG as % of GDP (interpolated from annual data). Formula: $100 \cdot NLG/GDPVD$, with NLG interpolated from annual data.
- GAP (gdp output gap). Formula: $100 \cdot (GDPV/GDPVTR - 1)$.
- GAPLFP (deviation from trend of labor force).
- Inequality SWIID data set: please note that the mean of the imputation is considered (and not the 100 imputations from the data set). CAUTION: data should be used only up to 2010 as there are no further data for Canada, Japan and Ireland (please check the graphics).

2 Unclear points

- I did not compute $GDPVDTR$ (Potential of total economy, at 2010 PPP, USD. Formula: $GDPVD/GDPV \cdot GDPDTR$. as I am not sure how we could use it. The output gap variable is already in %.
- Market outcome vs Net outcome: In my notes, I wrote that we should use the difference of these two variables but I could not remember where I could find the data.

3 Data

The table provides a short description of the most relevant variable for the analysis. There are two version, one with all the variable from the oecd economic outlook data set and one with only the required variable for the regressions.

Table 1: Most relevant variables of the design matrix for the public employment analysis. Note that all column names are written with underscore letters in the csv file.

Variable Name	Description	Source (if not OECD)
TIME	Time as numeric value (e.g. 2000-Q3 is 2000.5)	
country	ISO formatted country (e.g. France is FRA)	
egr	Employment Rate as a percentage of labor force	
execrlc	Executive government political direction	World Bank
fiscal_transparency_interpolated	IMF GFS fiscal transparency score	IMF
gap_interpolated	Output GAP as $100 \cdot (GDPV/GDPVTR - 1)$	
gaplfp_interpolated	Deviation from labor force trend	
gdp_per_capita_log	Log of gdp per capita (in log dollars/person).	
gdpvd	GDP, 2010 PPP in USD.	
gdpv_yoy_annpct	GDPV Growth, YoY in %	
gini_market_interpolated	Gini coefficient before tax and subsidies	SWIID
gini_net_interpolated	Gini coefficient after tax and subsidies	SWIID
gini_red_abs	Reduction of gini coefficient, absolute	SWIID
gini_red_abs	Reduction of gini coefficient, relative in %	SWIID
government_revenue	Government revenue in % of GDPV	
govfrac	Government fractionalization (defined by the WB)	World Bank
is_election_date	1 if an election is organized during the quarter	World Bank
lpop_interpolated	Log of population.	
nlg_to_gdpv	Net lending in % of gdpv	
pop_interpolated	Population in million of persons.	
QUARTER	Quarter of the observation	
unr	Unemployment rate	
YEAR	Year of the observation	
yrcurnt	Years until the next official election	World Bank