Analysis of Public Employment Rate

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Following Aaskoven (2015), the following variable were selected from the Economic Outlook database to explain the public employment rate:

Variable	Oecd code
country	country
government employment	eg

Variable	Oecd code
total employment	et
GDP growth	gdpv$_{annpct}$
unemployment rate	unr
government spending	ypgtq
adult population	pop1574
Net household dispossable income	ydrh

Additionally, the following time series were retrieved to compare result of the regression with Aaskoven (2015) and Alesina, Baqir, and Easterly (2000):

Data	Source
GPD per capita	OECD
gini index	OECD
gini index	TÓTH (2014)
Fiscal Transparency	IMF Wang, Irwin, and Murara (2015)
Laassen Fiscal Transparency Score	Aaskoven (2015)

Unfortunately, these data had an annual frequency only.

2.1 Data

2.1.1 OECD economic outlook

Economic outlook data set with annual and quarterly frequency.

- Governemnt (public) employment: "eg"

- Total Employement : "et"

- GDP growth: gdpv_annpct

- unemployment rate: unr

- ecsa, ee?

- Time effect: "year" or "date"

- Government spending "ypgtq", *Total disbursements, general government, as a percentage of GDP*

- "POP1574"

- Electoral incentives (number of electoral years)

- Economics conditions: ? See if growth or recession

- country: "country"

- money income per capita (Net/Gross household disposable income, real: YDRH(_G))

- Ethnicity?

- Left or right party

- Portion of population having a university degree

2.2 OECD Population

Population are taken from OECD.

- log of city population ?

2.3 National Accounts

- GDP per capita in constant price. (OECD 2015a)

2.4 Inequality

- Measure of inequality: gini (OECD 2015b)

2.5 Unfound data

- fiscal rules, fiscal transparency
- data from Lassen (2010 19-20)
- Fiscal transparency is interacted with gdp growth as it should contribute as a good factor.

Country	Fiscal Score
Greece	1
Italy	2
Norway	2
Belgium	3
Denmark	3
Germany	3
Ireland	3
Spain	3
Switzerland	3
Austria	4
France	4
Portugal	4
Canada	5
Finland	5
Netherlands	5
Sweden	5
Australia	6
United Kingdom	8
United States	9
New Zealand	10

2.6 Countries missing

Country without Public Government
Australia

Country without Public Government
Austria
Brazil
Chile
China (People's Republic of)
Colombia
Germany
Greece
Iceland
India
Indonesia
Korea
Latvia
Mexico
New Zealand
Russia
Slovenia
South Africa
Switzerland

Country	Annually	Quarterly
Belgium	x	x
Canada	x	x
Czech Republic	x	x
Denmark	x	x
Estonia	x	x
Finland	x	x
France	x	x
Hungary	x	x
Ireland	x	x
Israel	x	
Italy	x	
Japan	x	x
Luxembourg	x	x
Netherlands	x	x
Norway	x	x
Poland	x	x
Portugal	x	
Slovak Republic	x	
Spain	x	
Sweden	x	x
Turkey	x	
United Kingdom	x	x
United States	x	x

3   TODO

- Scale data?

- Make the approriate transformation

- Use the data for supplementary variable

- Compare the models (step, using missing data)

- Quarterly <-> Check dates

- Quarterly

- No data for population

- Compare amongst countries with only quaterly data

- Missing data

It causes bias.

4   Robustness

- Check table of log population robustness (not automated CountryUSA, labels are messed up)

- Government Fiscal Transparency IMF Data

Constant time

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