

# Dataset accompanying Becker [2008]

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The dataset comes in two formats (`.dta` for STATA and `.csv` for other software packages) and two versions (DEA and FDH). The files are accordingly named `DEA.csv`, `DEA.dta`, `FDH1990.csv` and `FDH1990.dta`.

The data-files **contain the input and output variables used for the efficiency analysis** in Becker [2008]. For a description of the selection of variables as ‘inputs’ and ‘outputs’ (PSP-indicators), please refer to the paper. The paper also contains a detailed description of the sources of all variables.

The DEA-dataset consists of data for 74 countries and the years 1985, 1990, 1995 and 2000, see table 1. The FDH-dataset covers the year 1990 only and 32 countries, see table 2. It contains separate input- and output-data for the five policy fields. Please refer to the paper to see why this is possible for the smaller FDH-dataset, but not for the DEA-dataset.

**If you are interested in the full dataset including all variables used in Becker [2008], please contact me by email.**

## References

BECKER, Daniel (2008). Public-Sector Efficiency and Interjurisdictional Competition - an Empirical Investigation. *Thünen-Series of Applied Economic Theory*, 101. Available from: <http://EconPapers.repec.org/RePEc:ros:wpaper:101>.

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**Table 1:** Codebook for the DEA-Dataset. Years: 1985, 1990, 1995, 2000. Number of Countries: 74.

Variable	obs	mean	sd	min	max	label
year	296	1992.5	5.6	1985.0	2000.0	Year
countrycode	296	.	.	.	.	Country Code
countryname	296	.	.	.	.	Country Name
PSP0	296	1.0	0.4	0.2	2.2	overall PSP
dea_bias	296	0.0	0.0	0.0	0.7	bootstrap bias estimates
dea_confintlb	296	0.6	0.1	0.1	0.9	0.95 KI, lower bound
dea_confintub	296	0.6	0.2	0.1	1.0	0.95 KI, upper bound
dea_dhat	296	0.6	0.2	0.1	1.0	DEA score
dea_dhatbc	296	0.6	0.2	0.1	1.0	DEA score (bias corrected)
dea_var	296	0.0	0.0	0.0	0.4	bootstrap variance estimates
exp_gov_pwt_pc_real_ma	296	184224.5	159543.7	6450.8	849452.9	government expenditure p.c. (moving average, PWT-data)
(end of table)						

**Table 2:** Codebook for the FDH-Dataset

Variable	obs	mean	sd	min	max	label
year	32	1990.0	0.0	1990.0	1990.0	Year
countrycode	32	.	.	.	.	Country Code
countryname	32	.	.	.	.	Country Name
PSP0	32	1.0	0.4	0.5	1.7	overall PSP
PSP1	32	1.0	0.2	0.6	1.3	PSP area 1: Administrative Quality
PSP2	32	1.0	0.5	0.2	2.1	PSP area 2: Education
PSP3	32	1.0	0.1	0.8	1.1	PSP area 3: Health
PSP4	32	1.0	0.9	0.0	2.9	PSP area 4: Infrastructure
PSP5	32	1.0	0.4	0.1	1.7	PSP area 5: economic stability and performance
exp_gov_pwt_pc_real_ma	32	223149.5	176284.3	9828.4	720072.8	Moving Average of exp_gov_pwt_pc_real
exp_imf_4_real_ma	32	661.7	1572.3	34.9	8034.7	Moving Average of exp_imf_4_real
(continued on next page)						

**Table 2:** Codebook for the FDH-Dataset – continued

Variable	obs	mean	sd	min	max	label
exp_imf_5_real_ma	32	842.4	2195.3	-10.2	10736.1	Moving Average of exp_imf_5_real
exp_imf_econ1_real_ma	32	2012.3	4189.2	90.2	21765.3	Moving Average of exp_imf_econ1_real
exp_imf_econIV_real_ma	32	634.9	1359.9	34.6	7414.1	Moving Average of exp_imf_econIV_real
exp_imf_econI_real_ma	32	7293.5	16760.8	280.3	86365.6	Moving Average of exp_imf_econI_real
fdh0	32	0.8	0.2	0.4	1.0	FDH0
fdh1	32	0.8	0.1	0.5	1.0	FDH1
fdh2	32	0.6	0.3	0.1	1.0	FDH2
fdh3	32	1.0	0.0	0.8	1.0	FDH3
fdh4	32	0.4	0.4	0.0	1.0	FDH4
fdh5	32	0.7	0.3	0.1	1.0	FDH5
fdh_av	32	0.7	0.1	0.4	1.0	average of FDH1-5
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