

Table 5: Descriptive statistics on variables (in ths. USD)

Variables for inputs/outputs		Description	Nobs	Mean	St. dev.	Min	Max
y_1		Total Loans	932	1 220 802.00	2 345 289.00	0	22 700 000
y_2		Other Earning Assets	932	1 134 131.00	2 299 289.00	61	19 100 000
y_3		Deposits	932	2 045 136.00	3 867 016.00	48	30 200 000
z		Equity Capital	932	216 278.40	434 802.60	24	4 113 417
		Total Assets	932	2 590 830.00	4 884 916.00	13 304	37 000 000
assets		Interest Expense	932	93 835.83	152 094.30	67	1 148 314
interexp		Other Funds	932	226 972.60	673 216.40	0	7 430 015
othfund		Personnel Expense	932	34 491.51	72 262.13	0	762 171
persexp		Depreciation	367	13 499.27	25 587.46	77	173 054
deprec		Fixed Assets	925	63 349.54	126 631.70	0	912 214
fixass							
Bank-specific variables G		Description	Nobs	Mean	St. dev.	Min	Max
llr-gl		Loan Loss Reserve / Gross Loans	669	6.25	8.79	0.200	95
e.ta		Equity / Total Assets	932	10.88	9.21	0.004	88
cf.l		Capital Funds / Liabilities	809	15.88	35.17	0.004	751
nim		Net Interest Margin	932	4.24	3.30	0.030	29
roaa		Return on Average Assets (ROAA)	932	1.70	2.86	0.010	38
cir		Cost to Income Ratio	923	71.42	45.64	12.686	932
nl.ta		Net Loans / Total Assets	932	46.72	19.72	0.100	98
nl.dep		Net Loans / Customer & ST Funding	914	62.94	45.38	0.020	732
Country-specific variables		Description	CZ	HU	PL	SLO	SVK
Observations of commb		= 1 if commercial bank; = 0 if otherwise	204	155	233	139	132
Observations of large		= 1 if total assets over 1 billion USD; = 0 if otherwise	126	49	80	59	59
Observations of foreign		= 1 if > 50 % foreign shareholders; = 0 if otherwise	112	65	64	37	71
Total number of observations			225	189	245	139	134

Table 6: Economic efficiency DEA estimation, VRS LP

	Cost Frontier	Revenue Frontier	Profit Frontier
<i>Technical efficiency</i>	$\theta_p^* = \min_{\theta, \lambda} \{ \theta_p \}$ s.t. $\sum_{i=1}^n \lambda_i x_{ji} - \theta_p x_{jp} \leq 0 \quad \forall j$ $\sum_{i=1}^n \lambda_i y_{ki} - y_{kp} \geq 0 \quad \forall k$ $\sum_{i=1}^n \lambda_i = 1, \lambda_i \geq 0 \quad \forall i$	$\phi_p^* = \max_{\phi, \lambda} \{ \phi_p \}$ s.t. $\sum_{i=1}^n \lambda_i x_{ji} - x_{jp} \leq 0 \quad \forall j$ $\sum_{i=1}^n \lambda_i y_{ki} - \phi_p y_{kp} \geq 0 \quad \forall k$ $\sum_{i=1}^n \lambda_i = 1, \lambda_i \geq 0 \quad \forall i$	depends on the choice over input/output orientation
<i>Optimization problem</i>	$\min_{\lambda, x_j^*} \left\{ \sum_{j=1}^m w_{jp} x_{jp}^* \right\}$ s.t. $\sum_{i=1}^n \lambda_i x_{ji} - x_{jp}^* \leq 0 \quad \forall j$ $\sum_{i=1}^n \lambda_i y_{ki} - y_{kp} \geq 0 \quad \forall k$ $\sum_{i=1}^n \lambda_i = 1, \lambda_i \geq 0 \quad \forall i$	$\max_{\lambda, y_k^*} \left\{ \sum_{k=1}^s p_{kp} y_{kp}^* \right\}$ s.t. $\sum_{i=1}^n \lambda_i x_{ji} - x_{jp} \leq 0 \quad \forall j$ $\sum_{i=1}^n \lambda_i y_{ki} - y_{kp}^* \geq 0 \quad \forall k$ $\sum_{i=1}^n \lambda_i = 1, \lambda_i \geq 0 \quad \forall i$	$\max_{\lambda, x_j^*, y_k^*} \left\{ \sum_{k=1}^s p_{kp} y_{kp}^* - \sum_{j=1}^m w_{jp} x_{jp}^* \right\}$ s.t. $\sum_{i=1}^n \lambda_i x_{ji} - x_{jp}^* \leq 0 \quad \forall j$ $\sum_{i=1}^n \lambda_i y_{ki} - y_{kp}^* \geq 0 \quad \forall k$ $\sum_{i=1}^n \lambda_i = 1, \lambda_i \geq 0 \quad \forall i$
<i>Economic efficiency</i>	$\sum_{j=1}^m (w_{ji} x_{ji}^*) / (w_{ji} x_{ji})$	$\sum_{k=1}^s (p_{ki} y_{ki}) / (p_{ki} y_{ki}^*)$	ratio of observed profit over maximum potential profit

Table 7: Descriptive statistics on variables utilized for the US dataset

Variables (in mil USD)	Nobs	Mean	St. dev.	Min	Max
y_1 Total Loans	2 376	5 405	12 440	18.0	141 160
y_2 Other Earning Assets	2 376	2 485	6 696	0.4	83 258
y_3 Deposits	2 376	5 896	12 780	17.6	135 903
p_1 Price of Total Loans	2 376	0.115	0.1079	0.0002	2
p_2 Price of Other Earning Assets	2 376	0.269	3.1221	0	127
p_3 Price of Deposits	2 376	0.147	0.3885	0.0005	7
x_1 Personnel Expense	2 376	128	291	0.2530	2 816
x_3 Deposits and Other Funding	2 376	6 458	14 234	21.5	161 910
w_1 Personnel Expense/Total Assets	2 376	0.016	0.0086	0.0001	0
w_3 Interest Expenses/ x_3	2 376	0.034	0.0211	0.0003	1
Total number of observations	2 376				

Table 8: Descriptive statistics on variables used for the transitional data

Variables (in ths. USD)	Nobs	Mean	St. dev.	Min	Max
y_1 Total Loans	932	1 220 802	2 345 289	0	22 700 000
y_2 Other Earning Assets	932	1 134 131	2 299 289	61	19 100 000
y_3 Deposits	932	2 045 136	3 867 016	48	30 200 000
p_1 Price of Total Loans	932	0.2785	1.0334	0	29.6
p_2 Price of Other Earning Assets	932	0.0854	1.0387	0	22.6
p_3 Price of Deposits	932	0.0224	0.1121	0	3.00
x_1 Personnel Expense	932	34 492	72 262	0	762 171
x_2 Fixed Assets	925	63 350	126 632	0	912 214
x_3 Deposits and Other Funding	932	2 272 109	4 260 023	171	33 100 000
w_1 Personnel Expense/Total Assets	932	0.0149	0.0116	0	0.1682
w_2 Depreciation/Fixed Assets	366	0.2135	0.1839	0.0245	1.3934
w_3 Interest Expenses/ x_3	932	0.1121	1.2010	0.0008	33.6550
Total number of observations by countries	CZ 225	HU 189	PL 245	SLO 139	SVK 134

Table 9: DEA cost and revenue scores in the USA

Year		CRS			VRS		
		Ceff2y	Ceff3y	Reveff2y	Ceff2y	Ceff3y	Reveff2y
Mean	m	0.102	0.131	0.349	0.250	0.290	0.431
	sd	(0.132)	(0.141)	(0.147)	(0.245)	(0.248)	(0.19)
	n	2376	2376	2376	2376	2376	2376
1995	m	0.157	0.158	0.407	0.283	0.288	0.461
	sd	(0.116)	(0.0826)	(0.143)	(0.235)	(0.243)	(0.19)
	n	198	198	198	198	198	198
1996	m	0.025	0.083	0.370	0.226	0.341	0.407
	sd	(0.0726)	(0.0904)	(0.137)	(0.266)	(0.264)	(0.176)
	n	198	198	198	198	198	198
1997	m	0.027	0.068	0.423	0.232	0.312	0.466
	sd	(0.0721)	(0.0817)	(0.141)	(0.264)	(0.264)	(0.173)
	n	198	198	198	198	198	198
1998	m	0.024	0.062	0.398	0.220	0.305	0.457
	sd	(0.0723)	(0.0822)	(0.136)	(0.258)	(0.266)	(0.176)
	n	198	198	198	198	198	198
1999	m	0.026	0.042	0.350	0.191	0.214	0.417
	sd	(0.0898)	(0.089)	(0.126)	(0.245)	(0.248)	(0.173)
	n	198	198	198	198	198	198
2000	m	0.089	0.101	0.441	0.244	0.253	0.499
	sd	(0.108)	(0.107)	(0.132)	(0.238)	(0.238)	(0.166)
	n	198	198	198	198	198	198
2001	m	0.130	0.153	0.343	0.263	0.282	0.408
	sd	(0.108)	(0.11)	(0.135)	(0.218)	(0.215)	(0.184)
	n	198	198	198	198	198	198
2002	m	0.178	0.185	0.318	0.292	0.299	0.383
	sd	(0.122)	(0.123)	(0.127)	(0.209)	(0.209)	(0.184)
	n	198	198	198	198	198	198
2003	m	0.193	0.254	0.268	0.284	0.342	0.466
	sd	(0.138)	(0.153)	(0.126)	(0.204)	(0.207)	(0.183)
	n	198	198	198	198	198	198
2004	m	0.202	0.279	0.233	0.307	0.368	0.317
	sd	(0.151)	(0.17)	(0.127)	(0.223)	(0.22)	(0.19)
	n	198	198	198	198	198	198
2005	m	0.167	0.175	0.264	0.311	0.326	0.378
	sd	(0.157)	(0.157)	(0.114)	(0.264)	(0.264)	(0.206)
	n	198	198	198	198	198	198
2006	m	0.011	0.012	0.376	0.152	0.154	0.509
	sd	(0.071)	(0.0713)	(0.148)	(0.253)	(0.253)	(0.192)
	n	198	198	198	198	198	198

The rows report simple average of the efficiency score (m), standard deviation (sd) and number of observations used (n) for respective years. Variable *Mean* is the average score through all years reported.

Table 10: Determinants of bank efficiency in the USA

	Ceffc OLS	Ceffc Tobit	Ceffv OLS	Ceffv Tobit	Reffc OLS	Reffc Tobit	Reffv OLS	Reffv Tobit
llr-gl	0.0095 (1.61)	0.0088 [*] (2.32)	-0.0081 (-1.03)	-0.0097 (-1.64)	0.0084 [*] (2.15)	0.0047 (1.46)	-0.004 (-1.08)	-0.0062 (-1.59)
e_fa	0.0100 ^{**} (2.82)	0.0106 ^{**} (4.13)	-0.00057 (-0.10)	-0.0001 (-0.03)	-0.00997 ^{**} (-3.07)	-0.0081 ^{**} (-3.55)	-0.0042 (-1.26)	-0.0029 (-0.97)
cf_l	-0.0069 ^{**} (-3.03)	-0.0075 ^{**} (-4.74)	0.0007 (0.22)	0.0002 (0.08)	0.006 ^{**} (2.90)	0.0042 ^{**} (2.94)	0.0061 ^{**} (3.23)	0.0049 ^{**} (2.61)
nim	-0.0173 ^{**} (-2.68)	-0.0173 ^{**} (-5.56)	-0.0181 [*] (-2.49)	-0.0174 ^{**} (-3.52)	0.0225 ^{**} (4.84)	0.0255 ^{**} (9.47)	0.0089 [†] (1.88)	0.0125 ^{**} (3.70)
roaa	-0.0014 (-0.32)	-0.0018 (-0.52)	-0.0120 [*] (-2.09)	-0.0125 [*] (-2.29)	-0.00995 [*] (-2.18)	-0.0117 ^{**} (-3.95)	-0.0116 [*] (-2.10)	-0.0153 ^{**} (-4.12)
cir	-0.0016 ^{**} (-4.68)	-0.0016 ^{**} (-7.18)	-0.0023 ^{**} (-4.87)	-0.0023 ^{**} (-6.27)	-0.00101 ^{**} (-3.96)	-0.00089 ^{**} (-4.49)	-0.0007 [*] (-2.24)	-0.0007 ^{**} (-2.96)
nl_ta	-0.0031 ^{**} (-5.17)	-0.0035 ^{**} (-8.60)	-0.0029 ^{**} (-4.24)	-0.0034 ^{**} (-5.68)	0.00370 ^{**} (9.65)	0.0033 ^{**} (8.92)	0.0048 ^{**} (12.06)	0.0038 (7.42)
nl_dep	0.0018 ^{**} (5.08)	0.0021 ^{**} (7.97)	0.00088 ^{**} (2.83)	0.0011 ^{**} (3.33)	0.0007 ^{**} (3.06)	0.001 ^{**} (3.98)	0.0005 [*] (2.41)	0.0013 ^{**} (3.91)
large	0.0250 ^{**} (3.37)	0.0257 ^{**} (3.33)	-0.0462 ^{**} (-3.77)	-0.0440 ^{**} (-3.25)	-0.0260 ^{**} (-3.73)	-0.0396 ^{**} (-5.30)	-0.0291 ^{**} (-3.28)	-0.0345 ^{**} (-3.81)
constant	0.283 ^{**} (6.29)	0.288 ^{**} (10.56)	0.635 ^{**} (10.05)	0.654 ^{**} (13.69)	0.0851 ^{**} (3.11)	0.0880 ^{**} (3.50)	0.116 ^{**} (3.24)	0.117 ^{**} (3.69)
Observations	2376	2376	2376	2376	2376	2376	2376	2376
R^2 within	0.0699		0.0407		0.216		0.181	
R^2 between	0.307		0.0846		0.478		0.367	
R^2 overall	0.149		0.0675		0.375		0.308	
σ_u	0.0534	0.0585	0.173	0.191	0.0591	0.0862	0.109	0.131
σ_e	0.108	0.108	0.151	0.157	0.0845	0.0859	0.0994	0.103
ρ	0.198	0.225	0.565	0.598	0.328	0.502	0.546	0.620

t statistics in parentheses, $^{\dagger} p < 0.10$, $^* p < 0.05$, $^{**} p < 0.01$

Note: OLS computed using heteroskedasticity robust t (Huber-White sandwich estimator). *Ceffc OLS* stands for panel OLS estimation with cost efficiency CRS DEA estimate as a dependent variable, *Reffc Tobit* is panel Tobit estimation with revenue efficiency VRS DEA estimate as a dependent variable. The other column names are self-explanatory. Efficiency brought into regression in percentage points, while other variables in percentages, except dummies.

Table 11: DEA cost, profit and revenue scores in transition countries

Year		Constant Returns to Scale						Variable Returns to Scale					
		2 outputs			3 outputs			2 outputs			3 outputs		
		cost	profit	revenue	cost	profit	revenue	cost	profit	revenue	cost	profit	revenue
Mean	m	0.271	-5.130	0.455	0.309	0.680	0.592	0.458	0.018	0.600	0.485	0.837	0.730
	sd	(0.214)	(163.1)	(0.221)	(0.217)	(0.776)	(0.198)	(0.293)	(25.35)	(0.272)	(0.287)	(0.69)	(0.212)
	n	856	932	932	856	932	932	856	932	932	856	932	932
1995	m	0.291	-0.021	0.549	0.303	1.076	0.621	0.450	2.213	0.600	0.454	1.228	0.792
	sd	(0.221)	(5.816)	(0.280)	(0.227)	(3.078)	(0.201)	(0.305)	(12.78)	(0.301)	(0.304)	(2.709)	(0.191)
	n	55	55	55	55	55	55	55	55	55	55	55	55
1996	m	0.250	0.769	0.462	0.256	0.610	0.534	0.413	-10.8	0.542	0.417	0.793	0.692
	sd	(0.202)	(1.981)	(0.249)	(0.204)	(0.239)	(0.184)	(0.292)	(94.02)	(0.299)	(0.292)	(0.234)	(0.2)
	n	66	66	66	66	66	66	66	66	66	66	66	66
1997	m	-	-65.900	0.498	-	0.573	0.576	-	0.394	0.586	-	0.744	0.725
	sd	-	(570.2)	(0.208)	-	(0.243)	(0.192)	-	(3.112)	(0.239)	-	(0.249)	(0.204)
	n	-	76	76	-	76	76	-	76	76	-	76	76
1998	m	0.386	1.145	0.454	0.388	0.619	0.566	0.586	0.995	0.615	0.594	0.796	0.744
	sd	(0.246)	(6.272)	(0.235)	(0.247)	(0.244)	(0.222)	(0.296)	(5.303)	(0.308)	(0.298)	(0.251)	(0.235)
	n	69	69	69	69	69	69	69	69	69	69	69	69
1999	m	0.413	0.259	0.449	0.420	0.582	0.527	0.597	0.303	0.666	0.600	0.794	0.701
	sd	(0.224)	(3.043)	(0.226)	(0.229)	(0.244)	(0.21)	(0.271)	(2.768)	(0.282)	(0.272)	(0.227)	(0.245)
	n	70	70	70	70	70	70	70	70	70	70	70	70
2000	m	0.289	0.319	0.392	0.367	0.637	0.591	0.479	0.280	0.630	0.513	0.780	0.723
	sd	(0.197)	(2.597)	(0.182)	(0.243)	(0.175)	(0.164)	(0.279)	(3.002)	(0.265)	(0.285)	(0.194)	(0.189)
	n	73	73	73	73	73	73	73	73	73	73	73	73
2001	m	0.243	0.652	0.410	0.248	0.696	0.600	0.456	1.048	0.618	0.461	0.839	0.762
	sd	(0.178)	(2.696)	(0.227)	(0.178)	(0.184)	(0.184)	(0.278)	(1.296)	(0.284)	(0.277)	(0.173)	(0.194)
	n	66	66	66	66	66	66	66	66	66	66	66	66
2002	m	0.254	0.771	0.463	0.254	0.713	0.650	0.444	0.841	0.619	0.445	0.859	0.776
	sd	(0.161)	(0.981)	(0.230)	(0.161)	(0.177)	(0.198)	(0.265)	(0.807)	(0.265)	(0.265)	(0.146)	(0.191)
	n	75	75	75	75	75	75	75	75	75	75	75	75
2003	m	0.350	0.228	0.487	0.354	0.695	0.637	0.510	0.593	0.621	0.516	0.834	0.742
	sd	(0.228)	(4.028)	(0.225)	(0.230)	(0.206)	(0.206)	(0.283)	(1.09)	(0.269)	(0.285)	(0.182)	(0.213)
	n	80	80	80	80	80	80	80	80	80	80	80	80
2004	m	0.203	0.770	0.391	0.260	0.649	0.585	0.408	1.01	0.552	0.470	0.809	0.692
	sd	(0.197)	(2.288)	(0.186)	(0.193)	(0.206)	(0.21)	(0.292)	(1.683)	(0.258)	(0.28)	(0.211)	(0.226)
	n	102	102	102	102	102	102	102	102	102	102	102	102
2005	m	0.182	-1.650	0.459	0.281	0.685	0.594	0.360	1.117	0.571	0.430	0.820	0.700
	sd	(0.179)	(22.57)	(0.196)	(0.196)	(0.192)	(0.194)	(0.289)	(4.278)	(0.250)	(0.281)	(0.191)	(0.213)
	n	110	110	110	110	110	110	110	110	110	110	110	110
2006	m	0.217	0.528	0.479	0.300	0.715	0.617	0.419	0.716	0.611	0.467	0.853	0.748
	sd	(0.199)	(0.515)	(0.205)	(0.208)	(0.19)	(0.184)	(0.296)	(0.537)	(0.262)	(0.281)	(0.185)	(0.212)
	n	90	90	90	90	90	90	90	90	90	90	90	90

The rows report simple average of the efficiency score (m), standard deviation (sd) and number of observations used (n) for respective years. Variable *Mean* is the average score through all years reported.

Table 12: Determinants of bank efficiency in transitional countries

	Ceffc OLS	Ceffc Tobit	Ceffv OLS	Ceffv Tobit	Reffc OLS	Reffc Tobit	Reffv OLS	Reffv Tobit
llr-gl	-0.0022** (-3.05)	-0.002 [†] (-1.88)	0.0004 (0.42)	0.0005 (0.35)	-0.00253** (-3.25)	-0.0025** (-2.76)	-0.00057 (-0.52)	-0.00001 (-0.01)
e-ta	-0.0052* (-2.23)	-0.0054 [†] (-1.87)	0.00097 (0.26)	0.00163 (0.37)	0.0048* (2.24)	0.0049* (2.15)	0.0138** (4.65)	0.0164** (4.26)
cf-l	0.0007 (1.06)	0.00082 (0.74)	0.00098 (0.83)	0.00097 (0.56)	-0.00113 [†] (-1.86)	-0.0012 (-1.35)	-0.0027** (-3.32)	-0.003* (-2.06)
nim	-0.0082* (-2.03)	-0.0081 (-1.57)	-0.0097 (-1.51)	-0.0092 (-1.16)	0.0014 (0.33)	0.0014 (0.36)	-0.0009 (-0.22)	-0.00001 (-0.00)
roaa	0.0078 [†] (1.77)	0.0074 [†] (1.72)	0.0088 (1.39)	0.0089 (1.43)	0.00791* (2.45)	0.0077* (2.07)	-0.0019 (-0.48)	-0.0051 (-0.85)
cir	-0.0004 (-1.61)	-0.0003 (-1.48)	0.0001 (0.41)	0.0002 (0.66)	-0.0004* (-2.35)	-0.0004* (-2.05)	-0.0001 (-0.49)	0.0001 (0.44)
nl-ta	-0.00028 (-0.36)	-0.00014 (-0.19)	0.001 (0.98)	0.0014 (1.29)	0.00846** (17.85)	0.0086** (15.50)	0.0106** (14.89)	0.0121** (12.77)
nl-dep	-0.0003 (-1.51)	-0.0004 (-1.40)	-0.0005 [†] (-1.93)	-0.0007 (-1.61)	-0.0001 (-0.81)	-0.0001 (-0.59)	-0.0005** (-3.72)	-0.0006* (-1.96)
cr	0.0171 (0.33)	0.0158 (0.35)	0.0151 (0.21)	0.0406 (0.52)	0.0233 (0.94)	0.0230 (0.84)	0.0885* (2.40)	0.101* (2.04)
hu	-0.162** (-3.29)	-0.166** (-3.43)	-0.150* (-2.10)	-0.165 [†] (-1.95)	-0.0923** (-3.52)	-0.0962** (-3.17)	0.0028 (0.08)	0.0074 (0.14)
pl	-0.182** (-3.92)	-0.185** (-3.87)	-0.253** (-3.92)	-0.270** (-3.29)	-0.0774** (-3.08)	-0.0782* (-2.48)	-0.0202 (-0.60)	-0.0338 (-0.61)
slo	-0.172** (-3.64)	-0.177** (-3.50)	-0.251** (-3.83)	-0.271** (-3.05)	-0.132** (-4.24)	-0.140** (-4.50)	-0.115** (-2.82)	-0.154** (-2.76)
large	-0.0595** (-2.65)	-0.0584** (-2.93)	0.0082 (0.29)	0.0138 (0.46)	-0.0493** (-3.32)	-0.0509** (-3.20)	0.0141 (0.69)	0.0101 (0.37)
foreign	-0.0157 (-0.82)	-0.0139 (-0.70)	-0.0116 (-0.43)	-0.0091 (-0.30)	-0.0419** (-2.78)	-0.0418** (-2.65)	-0.0173 (-0.78)	-0.0172 (-0.65)
constant	0.546** (8.75)	0.545** (9.95)	0.573** (7.28)	0.566** (6.43)	0.156** (4.29)	0.151** (3.87)	0.0805 (1.49)	-0.0008 (-0.01)
Observations	528	528	528	528	581	581	581	581
R ² within	0.0216		0.0529		0.326		0.265	
R ² between	0.364		0.187		0.694		0.582	
R ² overall	0.275		0.169		0.522		0.385	
σ_u	0.114	0.129	0.198	0.241	0.0575	0.0643	0.0773	0.126
σ_e	0.130	0.135	0.164	0.184	0.127	0.134	0.183	0.209
ρ	0.435	0.478	0.594	0.633	0.171	0.187	0.151	0.267

t statistics in parentheses, [†] $p < 0.10$, * $p < 0.05$, ** $p < 0.01$

Note: OLS computed using heteroscedasticity robust t (Huber-White sandwich est.). *Ceffc OLS* stands for panel OLS estimation with cost efficiency CRS DEA estimate (2 outputs) as a dependent variable, *Reffc Tobit* is panel Tobit estimation with revenue efficiency VRS DEA estimate (2 outputs) as a dependent variable. The other column names are selfexplanatory.

Table 13: DEA cost and revenue scores in transition countries

Model	Cost efficiency $2y$			Revenue efficiency $2y$			Revenue efficiency $3y$		
	commercial	large	foreign	commercial	large	foreign	commercial	large	foreign
Trans CRS	Mean = 0.271 (0.214)			Mean = 0.455 (0.221)			Mean = 0.592(0.198)		
nobs	856			932			932		
mean	0.271	0.264	0.279	0.450	0.446	0.445	0.592	0.584	0.616
st. dev	(0.209)	(0.206)	(0.202)	(0.217)	(0.2)	(0.218)	(0.197)	(0.171)	(0.194)
nobs	789	353	329	863	373	349	863	373	349
Trans VRS	Mean = 0.458 (0.293)			Mean = 0.600 (0.272)			Mean = 0.730 (0.212)		
nobs	856			932			932		
mean	0.464	0.503	0.511	0.596	0.632	0.617	0.731	0.773	0.771
st. dev	(0.291)	(0.323)	(0.304)	(0.272)	(0.261)	(0.28)	(0.212)	(0.196)	(0.204)
nobs	789	353	329	863	373	349	863	373	349

Table reports the cost and revenue efficiency DEA scores. Variable *Mean* is the average score through all years, $2y$ and $3y$ is the number of outputs in the model. For definitions of variables *commb* (commercial banks sample), *large* and *foreign* see subsection 2.2.

Table 14: DEA cost and revenue efficiency in the USA

Cost efficiency	Mean crs	large crs	Mean vrs	large vrs
mean	0.102	0.111	0.250	0.230
st. dev	(0.132)	(0.144)	(0.245)	(0.253)
nobs	2376	1652	2376	1652

Revenue efficiency	Mean crs	large crs	Mean vrs	large vrs
mean	0.349	0.357	0.431	0.440
st. dev	(0.147)	(0.154)	(0.190)	(0.193)
nobs	2376	1652	2376	1652

Mean (average score through all years), standard deviations and number of observations reported. For definition of variable *large* see subsection 2.2.

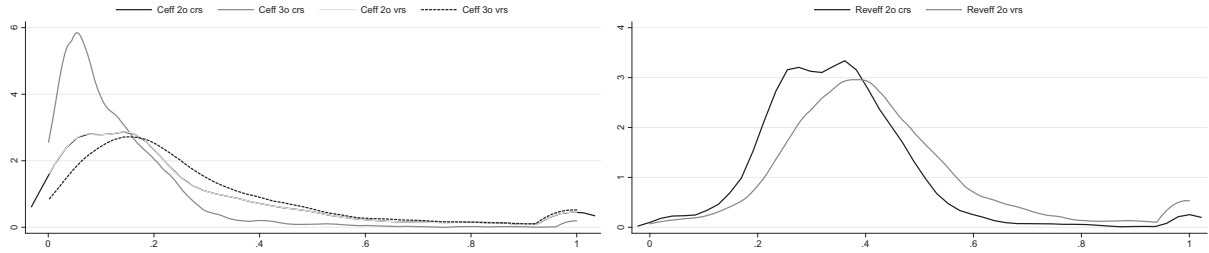


Figure 2: Cost and revenue efficiency in the USA (epanechnikov, bandwidth 0.034 & 0.022), respectively

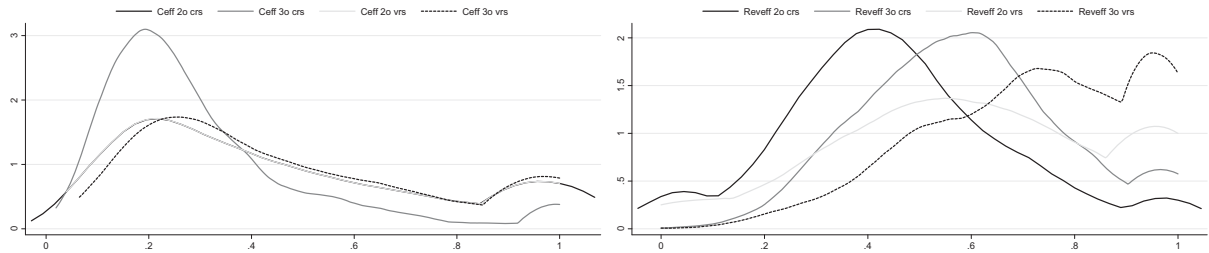


Figure 3: Cost and revenue efficiency in transition countries (epanechnikov, bandwidth 0.045 & 0.068), respectively

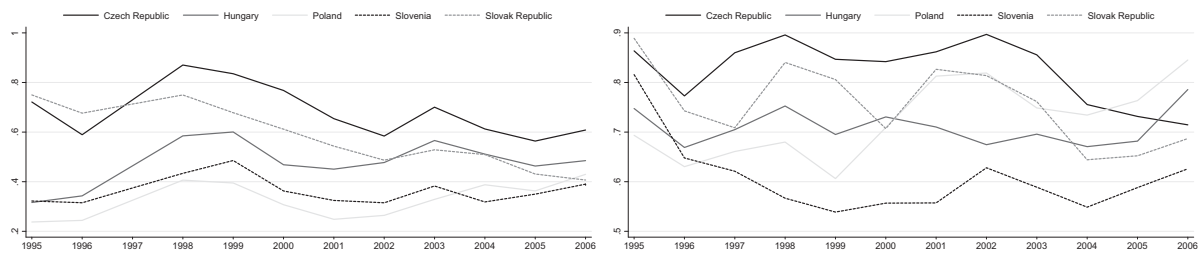


Figure 4: Development of trans. 3y cost and revenue VRS scores

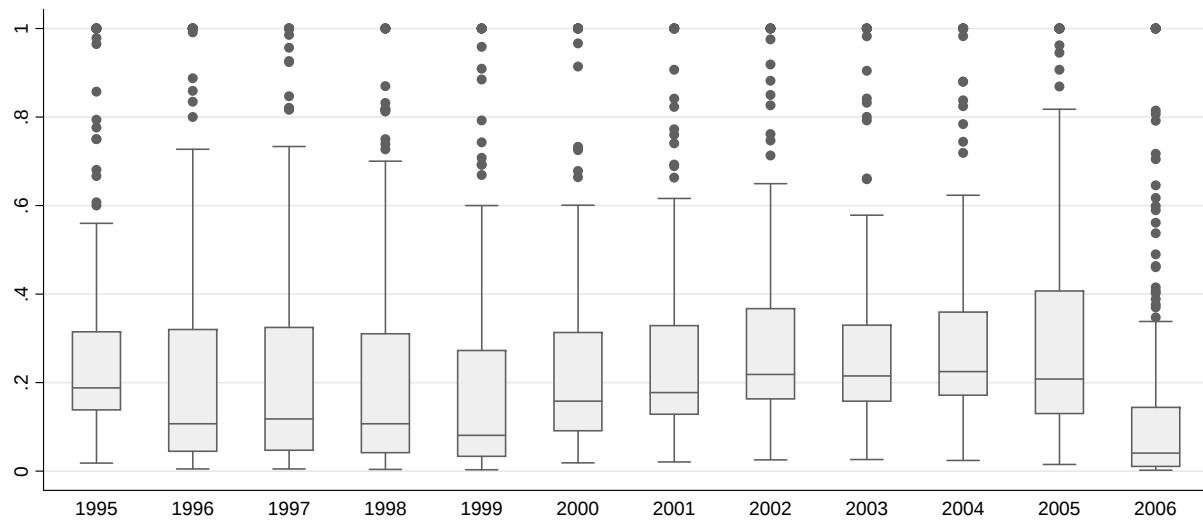


Figure 5: Box plot of the US cost efficiency, 2y VRS

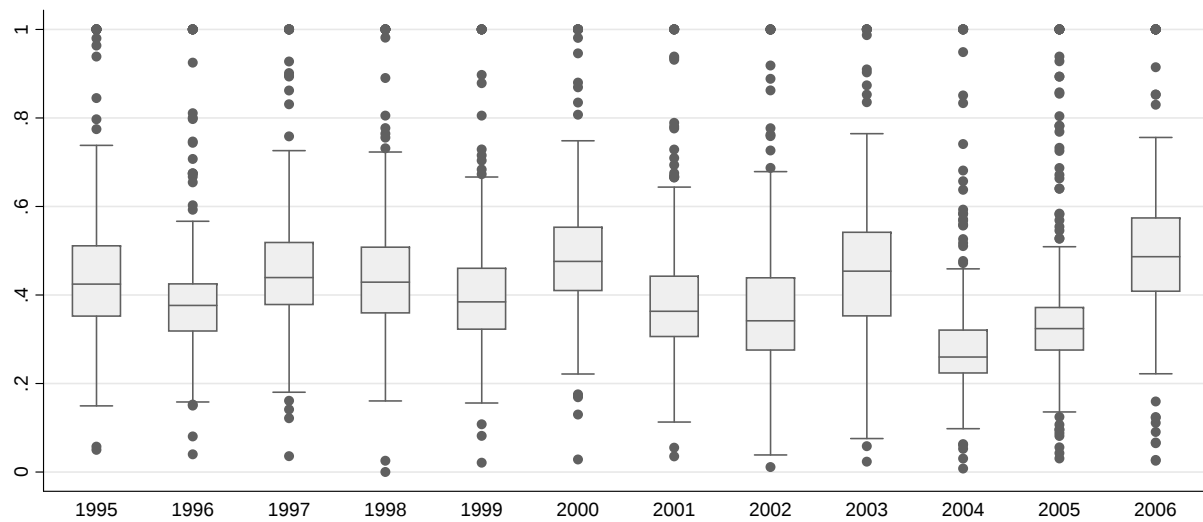


Figure 6: Box plot of the US revenue efficiency, 2y VRS

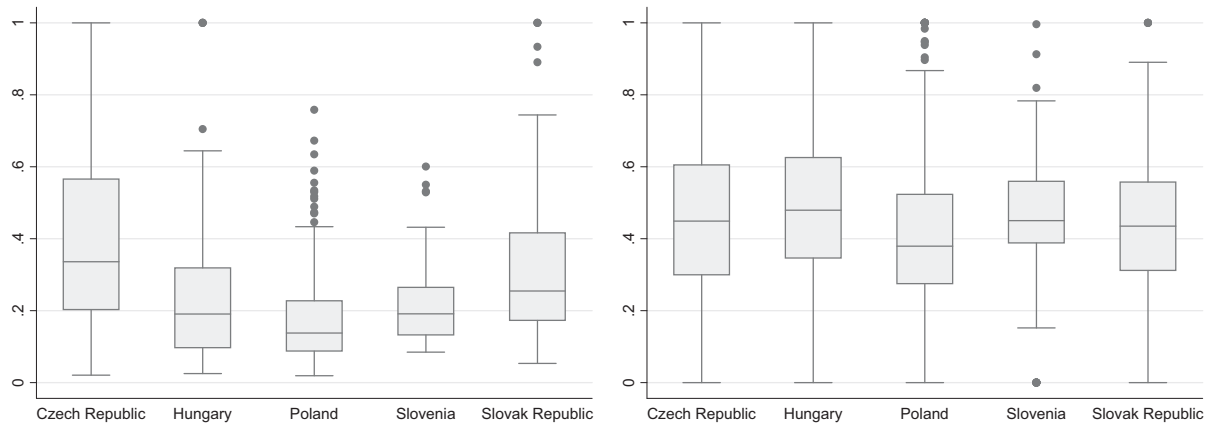


Figure 7: Box plot for trans. 2y cost and revenue CRS scores, resp.

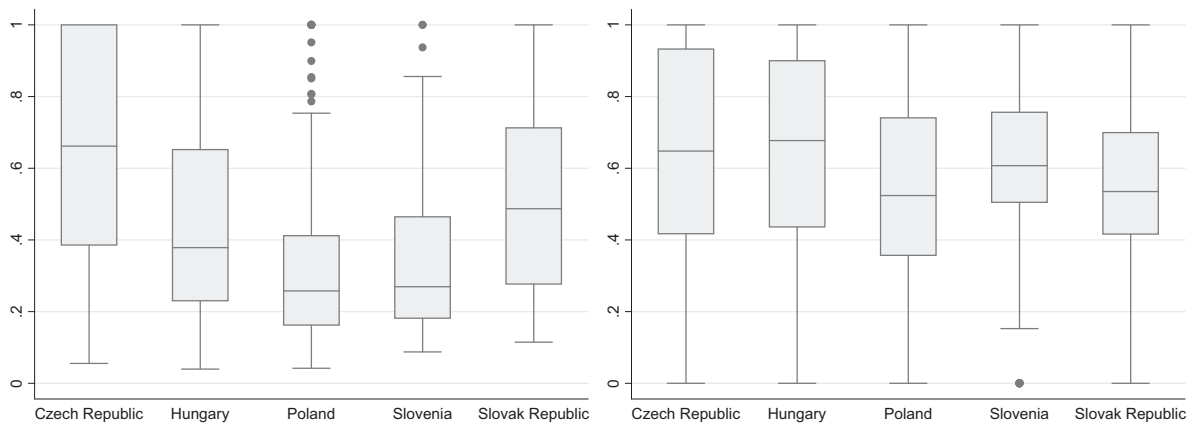


Figure 8: Box plot for trans. 2y cost and revenue VRS scores, resp.