

Results of stability analysis

1. Evolution of transition probability matrices in time-homogenous Markov chains constructed for normalized capital productivity in Polish voivodships (Laplace smoothing).

$$\lambda = 0.01, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.92	0.08	0	0
	0.82	0.18	0	0
	0.71	0.29	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.05	0.86	0.09	0
	0.07	0.88	0.05	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.11	0.87	0.02
	0	0.07	0.92	0.01
HIGH	0	0	0.02	0.98
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.86	0.14	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.06	0.84	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.82	0.03
	0	0.12	0.86	0.02
	0	0.07	0.91	0.02
HIGH	0	0	0.03	0.97
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.88	0.12	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.85	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.14	0.82	0.04
	0	0.11	0.87	0.02
	0	0.07	0.91	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.93	0.07	0	0
	0.86	0.14	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.04	0.85	0.11	0
	0.05	0.90	0.05	0
UPPER-MIDDLE	0	0.15	0.82	0.03
	0	0.13	0.85	0.02
	0	0.07	0.91	0.02
HIGH	0	0	0.03	0.97
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.90	0.10	0	0
	0.83	0.17	0	0
	0.71	0.29	0	0
LOWER-MIDDLE	0.07	0.79	0.14	0
	0.04	0.87	0.09	0
	0.05	0.89	0.06	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.12	0.86	0.02
	0	0.07	0.92	0.01
HIGH	0	0	0.03	0.97
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.94	0.06	0	0
	0.86	0.14	0	0
	0.68	0.32	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.05	0.84	0.11	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.82	0.03
	0	0.13	0.84	0.03
	0	0.07	0.91	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.88	0.12	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.85	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.81	0.04
	0	0.13	0.85	0.02
	0	0.06	0.92	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.92	0.08	0	0
	0.88	0.12	0	0
	0.72	0.28	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.85	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.14	0.81	0.05
	0	0.12	0.86	0.02
	0	0.07	0.91	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.92	0.08	0	0
	0.83	0.17	0	0
	0.70	0.30	0	0
LOWER-MIDDLE	0.08	0.78	0.14	0
	0.05	0.86	0.09	0
	0.07	0.88	0.05	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.12	0.86	0.02
	0	0.07	0.92	0.01
-HIGH	0	0	0.03	0.97
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.93	0.07	0	0
	0.86	0.14	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.06	0.83	0.11	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.13	0.84	0.03
	0	0.13	0.84	0.03
	0	0.07	0.91	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.94	0.06	0	0
	0.86	0.14	0	0
	0.68	0.32	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.04	0.85	0.11	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.82	0.03
	0	0.13	0.84	0.03
	0	0.08	0.90	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.90	0.10	0	0
	0.83	0.17	0	0
	0.70	0.30	0	0
LOWER-MIDDLE	0.07	0.79	0.14	0
	0.04	0.87	0.09	0
	0.05	0.89	0.06	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.11	0.87	0.02
	0	0.07	0.92	0.01
HIGH	0	0	0.03	0.97
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.92	0.08	0	0
	0.88	0.12	0	0
	0.71	0.29	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.85	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.13	0.82	0.05
	0	0.12	0.86	0.02
	0	0.06	0.92	0.02
-HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.89	0.11	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.85	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.81	0.04
	0	0.12	0.86	0.02
	0	0.06	0.92	0.02
HIGH	0	0	0.04	0.96
	0	0	0.10	0.90
	0	0	0.15	0.85

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.93	0.07	0	0
	0.86	0.14	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.05	0.84	0.11	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.13	0.84	0.03
	0	0.13	0.84	0.03
	0	0.08	0.90	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.90	0.10	0	0
	0.83	0.17	0	0
	0.70	0.30	0	0
LOWER-MIDDLE	0.07	0.79	0.14	0
	0.04	0.87	0.09	0
	0.06	0.89	0.05	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.12	0.87	0.01
	0	0.07	0.92	0.01
HIGH	0	0	0.03	0.97
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.93	0.07	0	0
	0.86	0.14	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.06	0.79	0.15	0
	0.05	0.84	0.11	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.13	0.84	0.03
	0	0.13	0.84	0.03
	0	0.09	0.89	0.02
-HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.90	0.10	0	0
	0.83	0.17	0	0
	0.70	0.30	0	0
LOWER-MIDDLE	0.07	0.79	0.14	0
	0.05	0.86	0.09	0
	0.06	0.89	0.05	0
UPPER-MIDDLE	0	0.16	0.81	0.03
	0	0.11	0.87	0.02
	0	0.07	0.92	0.01
HIGH	0	0	0.03	0.97
	0	0	0.10	0.90
	0	0	0.16	0.84

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.88	0.12	0	0
	0.69	0.31	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.05	0.86	0.09	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.15	0.81	0.04
	0	0.12	0.86	0.02
	0	0.06	0.92	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.91	0.09	0	0
	0.89	0.11	0	0
	0.70	0.30	0	0
LOWER-MIDDLE	0.07	0.80	0.13	0
	0.06	0.84	0.10	0
	0.06	0.88	0.06	0
UPPER-MIDDLE	0	0.13	0.83	0.04
	0	0.12	0.86	0.02
	0	0.06	0.92	0.02
HIGH	0	0	0.04	0.96
	0	0	0.09	0.91
	0	0	0.15	0.85

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

2. Evolution of transition probability matrices in time-homogenous Markov chains constructed for normalized labour productivity in Polish voivodships (Laplace smoothing).

$$\lambda = 0.01, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.88	0.12	0	0
	0.88	0.12	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.10	0.86	0.04	0
	0.1	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.59	0.23
	0	0.17	0.5	0.33
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.88	0.12	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.11	0.86	0.03	0
	0.11	0.86	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.59	0.23
	0	0.15	0.52	0.33
HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.87	0.13	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.10	0.86	0.04	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.23	0.59	0.18
	0	0.19	0.58	0.23
	0	0.17	0.50	0.33
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.01, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.86	0.14	0	0
	0.88	0.12	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.09	0.87	0.04	0
	0.10	0.87	0.03	0
	0.10	0.88	0.02	0
UPPER-MIDDLE	0	0.23	0.59	0.18
	0	0.18	0.59	0.23
	0	0.17	0.50	0.33
HIGH	0	0	0.09	0.91
	0	0	0.11	0.89
	0	0	0.12	0.88

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.87	0.13	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.10	0.86	0.04	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.60	0.18
	0	0.18	0.59	0.23
	0	0.19	0.50	0.31
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.87	0.13	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.10	0.86	0.04	0
	0.10	0.87	0.03	0
	0.10	0.88	0.02	0
UPPER-MIDDLE	0	0.23	0.59	0.18
	0	0.18	0.59	0.23
	0	0.18	0.50	0.32
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.12	0.88

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.87	0.13	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.11	0.85	0.04	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.21	0.61	0.18
	0	0.19	0.58	0.23
	0	0.19	0.50	0.31
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.02, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.86	0.14	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.09	0.87	0.04	0
	0.10	0.87	0.03	0
	0.10	0.88	0.02	0
UPPER-MIDDLE	0	0.23	0.59	0.18
	0	0.18	0.59	0.23
	0	0.17	0.50	0.33
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.12	0.88

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.86	0.14	0	0
	0.87	0.13	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.11	0.85	0.04	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.23	0.59	0.18
	0	0.19	0.58	0.23
	0	0.19	0.50	0.31
-HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.87	0.13	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.11	0.85	0.04	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.25	0.57	0.18
	0	0.19	0.58	0.23
	0	0.19	0.50	0.31
HIGH	0	0	0.10	0.90
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.88	0.12	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.11	0.86	0.03	0
	0.10	0.87	0.03	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.12	0.88
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.03, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.89	0.11	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.11	0.86	0.03	0
	0.10	0.88	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.88	0.12	0	0
	0.89	0.11	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.11	0.86	0.03	0
	0.10	0.88	0.02	0
UPPER-MIDDLE	0	0.24	0.56	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
-HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.12	0.86	0.02	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.58	0.24
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.10	0.90
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.89	0.11	0	0
	0.88	0.12	0	0
	0.90	0.10	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.12	0.86	0.02	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.04, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.88	0.12	0	0
	0.88	0.12	0	0
	0.89	0.11	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.11	0.86	0.03	0
	0.11	0.87	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.20	0.57	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.10	0.90
	0	0	0.12	0.88

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=20$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.89	0.11	0	0
	0.88	0.12	0	0
	0.91	0.09	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.10	0.88	0.02	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.20	0.59	0.21
	0	0.17	0.51	0.32
-HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=30$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.89	0.11	0	0
	0.88	0.12	0	0
	0.88	0.12	0	0
LOWER-MIDDLE	0.13	0.84	0.03	0
	0.11	0.87	0.02	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.24	0.56	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.13	0.87
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=40$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.87	0.13	0	0
	0.88	0.12	0	0
	0.90	0.10	0	0
LOWER-MIDDLE	0.13	0.84	0.03	0
	0.12	0.86	0.02	0
	0.10	0.89	0.01	0
UPPER-MIDDLE	0	0.24	0.56	0.20
	0	0.18	0.59	0.23
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.11	0.89
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

$$\lambda = 0.05, n_{boot}=50$$

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.89	0.11	0	0
	0.87	0.13	0	0
	0.90	0.10	0	0
LOWER-MIDDLE	0.12	0.85	0.03	0
	0.11	0.87	0.02	0
	0.09	0.89	0.02	0
UPPER-MIDDLE	0	0.22	0.58	0.20
	0	0.19	0.59	0.22
	0	0.16	0.51	0.33
HIGH	0	0	0.11	0.89
	0	0	0.10	0.90
	0	0	0.11	0.89

Before EU accession
 Whole period
 After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

3. Unweighted averages of non-homogenous discrete-time Markov chains annual transition matrices for the periods 1995-2004 (pre-EU-accession period), 2004-2015 (post-EU-accession period) and 1995-2015 (full sample) estimated via the maximum a posteriori method implemented using Bayesian inference.

- capital productivity:

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.93	0.07	0	0
	0.85	0.15	0	0
	0.77	0.23	0	0
LOWER-MIDDLE	0.05	0.81	0.14	0
	0.07	0.82	0.11	0
	0.08	0.84	0.08	0
UPPER-MIDDLE	0	0.19	0.78	0.03
	0	0.14	0.84	0.02
	0	0.09	0.89	0.02
HIGH	0	0	0.03	0.97
	0	0	0.09	0.91
	0	0	0.16	0.84

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

- labour productivity:

	LOW	LOWER-MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.83	0.17	0	0
	0.82	0.18	0	0
	0.81	0.19	0	0
LOWER-MIDDLE	0.07	0.85	0.08	0
	0.07	0.90	0.03	0
	0.09	0.90	0.01	0
UPPER-MIDDLE	0	0.21	0.60	0.19
	0	0.16	0.64	0.20
	0	0.15	0.65	0.20
HIGH	0	0	0.09	0.91
	0	0	0.13	0.87
	0	0	0.15	0.85

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

4. Evolution of transition probability matrices in time-homogenous Markov chains constructed for capital productivity in Polish voivodships (3 classes).

	LOW	MIDDLE	HIGH
LOW	0.94	0.06	0
	0.92	0.08	0
	0.93	0.07	0
MIDDLE	0.07	0.81	0.12
	0.08	0.82	0.10
	0.10	0.84	0.06
HIGH	0	0.12	0.88
	0	0.17	0.83
	0	0.16	0.84

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

5. Evolution of transition probability matrices in time-homogenous Markov chains constructed for capital productivity in Polish voivodships (5 classes).

	LOW	LOWER-MIDDLE	MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.92	0.08	0	0	0
	0.87	0.13	0	0	0
	0.78	0.22	0	0	0
LOWER-MIDDLE	0.05	0.81	0.14	0	0
	0.06	0.85	0.09	0	0
	0.08	0.80	0.12	0	0
MIDDLE	0	0.16	0.81	0.03	0
	0	0.12	0.86	0.02	0
	0	0.07	0.91	0.02	0
UPPER-MIDDLE	0	0	0.10	0.84	0.06
	0	0	0.08	0.87	0.05
	0	0	0.07	0.88	0.05
HIGH	0	0	0	0.04	0.96
	0	0	0	0.08	0.92
	0	0	0	0.14	0.86

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

6. Evolution of transition probability matrices in time-homogenous Markov chains constructed for labour productivity in Polish voivodships (3 classes).

	LOW	MIDDLE	HIGH
LOW	0.84	0.16	0
	0.81	0.19	0
	0.82	0.18	0
MIDDLE	0.08	0.79	0.13
	0.09	0.78	0.13
	0.11	0.76	0.13
HIGH	0	0.22	0.78
	0	0.29	0.71
	0	0.26	0.74

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.

7. Evolution of transition probability matrices in time-homogenous Markov chains constructed for labour productivity in Polish voivodships (5 classes).

	LOW	LOWER-MIDDLE	MIDDLE	UPPER-MIDDLE	HIGH
LOW	0.86	0.14	0	0	0
	0.87	0.13	0	0	0
	0.89	0.11	0	0	0
LOWER-MIDDLE	0.08	0.88	0.04	0	0
	0.09	0.88	0.03	0	0
	0.09	0.89	0.02	0	0
MIDDLE	0	0.23	0.59	0.18	0
	0	0.17	0.59	0.24	0
	0	0.16	0.5	0.34	0
UPPER-MIDDLE	0	0	0.09	0.74	0.17
	0	0	0.04	0.79	0.17
	0	0	0.07	0.73	0.2
HIGH	0	0	0	0.09	0.91
	0	0	0	0.1	0.9
	0	0	0	0.11	0.89

Before EU accession Whole period After EU accession

Source. Own elaborations based on data collected from the Local Data Bank.