

Warsaw in the World City Network

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Theory of Cities

- The particular advantage of cities derives from two processes:
 1. Agglomeration externalities
 2. Connectivity externalities
- This talk focuses on the latter
- The world city network is the expression of this advantage within corporate globalization

Global connectivities

- Advanced producer service firms provide financial, professional and creative support
- They do this through office networks in cities across the world
- GaWC monitors 175 leading firms across 526 cities worldwide
- The 2016 results I am about to show are based upon:
 $175 \times 526 = 92,050$ pieces of information

World rank	CITY	Global Network Connectivity	% London's GNC
1	London	113007	100.0
2	New York	107860	95.4
3	Singapore	84645	74.9
4	Hong Kong	82894	73.4
5	Paris	79617	70.5
6	Beijing	78215	69.2
7	Tokyo	77699	68.8
8	Shanghai	75385	66.7
9	Dubai	74111	65.6
10	Sydney	69335	61.4
11	Sao Paulo	67842	60.0
12	Milan	67797	60.0
13	Chicago	65395	57.9
14	Mexico City	65035	57.5
15	Mumbai	64769	57.3
16	Moscow	64176	56.8
17	Frankfurt	62737	55.5
18	WARSAW	60202	53.3
19	Johannesburg	60114	53.2
20	Madrid	59673	52.8

World rank	CITY	Global network connectivity	% London's GNC
18	WARSAW	60230	53.3
34	Vienna	52093	46.1
50	Prague	46061	40.7
60	Budapest	43518	38.5
91	Bratislava	35062	31.0

World rank	CITY	GNC change 2000-2016
114	WARSAW	0.26
146	Vienna	0.17
222	Prague	-0.05
70	Budapest	0.55
228	Bratislava	-0.07

World rank	CITY	Global network connectivity	% London's GNC
18	WARSAW	60230	53.3
211	Wroclaw	19910	17.6
226	Krakow	18898	16.7
249	Poznan	17334	15.3
264	Katowice	16148	14.3
345	Lodz	11802	10.4

CITY	Globalism		Localism		Global orientation
	NYLON	Top 10	Country	Region	
WARSAW	0.56	1.66	-0.55	2.75	2.21
Vienna	0.20	0.70	-0.46	2.14	1.16
Prague	0.24	0.73	-0.41	2.62	1.13
Budapest	0.15	0.44	-0.38	2.36	0.83
Bratislava	-0.10	-0.47	-0.31	3.30	-0.16

CITY	Globalism		Localism		Global orientation
	NYLON	Top 10	Country	Region	
WARSAW	0.56	1.66	-0.55	2.75	2.21
Wroclaw	-0.29	-0.99	0.15	3.06	-1.14
Krakow	-0.51	-1.65	0.11	3.41	-1.76
Poznan	-0.59	-2.07	0.15	2.62	-2.22
Katowice	-0.56	-2.00	0.29	3.41	-2.28
Lodz	-0.59	-2.14	0.40	3.90	-2.55

CITY	Regional orientations			
	Europe	Northern America	Pacific Asia	South Asia
WARSAW	2.75	-0.21	-2.31	-0.64
Vienna	2.14	-1.07	-2.68	-0.02
Prague	2.62	-1.80	-2.37	-0.39
Budapest	2.36	-1.38	-2.80	-0.32
Bratislava	3.30	-1.84	-2.92	-0.35

CITY	Regional orientations			
	Europe	Northern America	Pacific Asia	South Asia
WARSAW	2.75	-0.21	-2.31	-0.64
Wroclaw	3.06	-0.05	-4.15	-0.15
Krakow	3.41	0.15	-4.29	-0.62
Poznan	2.62	-1.86	-3.42	0.12
Katowice	3.41	-0.96	-4.42	-0.16
Lodz	3.90	-1.88	-4.12	-0.09

Conclusions

- Warsaw is the one and only world city for Poland
- As capital city of Poland it is ranked where expected for its GNP (GNP rankings: Poland 25th, Austria 29th, Czech Rep 50th, Hungary 58th, Slovak Rep 65th)
- Like the other capital cities it has very limited extra-European links
- It is very much a European world city