

Appendix C: Data Description

Table C1: Descriptive Statistics

	Variable	N	Mean	SD	Min	Max
EXPENSIVE CITIES	Population	65	321,580	457,869	63,379	3,455,575
	Households with Children	65	40,724	55,042	6,163	351,564
	Price per sqm land in €, 2000	65	219.98	157.44	68.63	939.47
AFFORDABLE CITIES	Population	12	133,143	64,440	64,157	247,483
	Households with Children	12	18,719	2,498	15,664	21,251
	Price per sqm land in €, 2000	12	57.77	6.39	46.42	68.54

We use *Regionaldatenbank Deutschland*, provided by the federal and state statistical offices to obtain the following variable:

Price. The variable “Price” is the “price per square meter of building land”. This is the average of the square meter prices of (undeveloped) building land sales in 1995 and 2000. The price per square meter of building land in city i and year t is calculated as the sum of all purchase prices in i at t . We use the average of the years 1995 and 2000 for reasons of data availability and to mitigate the issue of outliers.

Table C2: Sample of Cities

No.	City	Dataset	Years	\tilde{r}	Affordable	Price	$\overline{\text{Age}}_{02}$
1	Aachen	BBSR	2002–2017	15	0	146.6	–
2	Augsburg	BBSR	2002–2017	13	0	207.4	42.0
3	Bergisch Gladbach	KOSTAT	2002–2017 w/o 2015	9	0	164.3	–
4	Berlin	BBSR	2002–2017	26	0	387.5	41.0
5	Bielefeld	BBSR	2002–2017	12	0	192.8	41.4
6	Bochum	BBSR	2002–2017	10	0	227.8	42.6
7	Bonn	BBSR	2002–2016	12	0	202.4	40.7
8	Brandenburg an der Havel	KOSTAT	2003–2017 w/o 2010	18	1	46.4	43.8
9	Braunschweig	KOSTAT	2003–2016	12	0	102.0	42.5
10	Bremen	BBSR	2003–2017	27	0	122.4	42.4
11	Chemnitz	BBSR	2002–2017	14	1	54.4	45.0
12	Darmstadt	BBSR	2004–2017	10	0	319.4	41.4
13	Dortmund	BBSR	2002–2017	12	0	224.6	42.0
14	Dresden	BBSR	2002–2017	16	0	81.7	42.5
15	Duisburg	BBSR	2002–2017	15	0	192.1	42.0
16	Düsseldorf	BBSR	2002–2017	15	0	311.4	42.4
17	Erfurt	BBSR	2002–2017	13	1	62.5	41.9
18	Erlangen	KOSTAT	2002–2017	9	0	312.3	40.8
19	Essen	BBSR	2002–2017	14	0	214.1	43.2
20	Frankfurt am Main	BBSR	2002–2017	15	0	624.8	41.5
21	Freiburg im Breisgau	KOSTAT	2002–2016	14	0	262.0	39.5
22	Furth	BBSR	2011–2017	7	0	231.5	40.7
23	Gelsenkirchen	KOSTAT	2002–2016	14	0	131.0	42.0
24	Gera	KOSTAT	2002–2017	11	1	55.5	43.9
25	Gottingen	KOSTAT	2002–2017	9	1	59.8	–
26	Hagen	KOSTAT	2002–2014	11	0	124.0	42.2
27	Halle (Saale)	BBSR	2002–2017	9	0	101.3	42.8
28	Hamburg	BBSR	2002–2017	25	–	–	41.4
29	Hamm	KOSTAT	2002–2017 w/o 2003	12	0	89.2	40.3
30	Hannover	BBSR	2002–2017	13	–	–	–
31	Heidelberg	BBSR	2002–2017	10	0	574.9	40.0
32	Herne	KOSTAT	2002–2017	7	0	101.7	42.3
33	Ingolstadt	BBSR	2002–2017	13	0	249.6	40.4
34	Jena	BBSR	2002–2017	8	0	80.8	40.9
35	Karlsruhe	BBSR	2002–2017	12	0	355.4	41.8
36	Kassel	BBSR	2010–2017	10	–	–	42.2
37	Kiel	BBSR	2002–2017	12	0	146.9	41.0
38	Koblenz	BBSR	2002–2017	9	0	119.6	42.7
39	Köln	BBSR	2002–2017	19	0	319.0	41.0
40	Konstanz	BBSR	2002–2017	12	0	127.7	–
41	Krefeld	BBSR	2002–2017	10	0	169.0	41.9
42	Leipzig	BBSR	2002–2017	14	0	135.4	43.1
43	Luebeck	BBSR	2002–2017	19	1	65.4	42.8
44	Luedenscheid	KOSTAT	2002–2017 w/o 2006–2012	6	–	–	–
45	Ludwigshafen am Rhein	BBSR	2002–2017	11	0	187.5	41.4
46	Magdeburg	BBSR	2002–2017	12	0	82.9	43.5
47	Mainz	BBSR	2002–2017	12	0	320.7	40.6

Sample of Cities (continued)

No.	City	Dataset	Years	\tilde{r}	Affordable	Price	$\overline{\text{Age}}_{02}$
48	Mannheim	BBSR	2002–2017	11	0	424.6	41.5
49	Monchengladbach	KOSTAT	2002–2017	12	0	182.9	41.2
50	Mulheim an der Ruhr	BBSR	2006–2017	9	0	202.2	43.9
51	Munich	BBSR	2002–2017	16	0	939.5	41.5
52	Muenster	BBSR	2002–2017	14	0	183.0	39.9
53	Neubrandenburg	KOSTAT	2012–2016	14	1	57.1	–
54	Neuss	KOSTAT	2002–2016 w/o 2008	9	0	148.6	–
55	Nurnberg	BBSR	2002–2017	15	0	310.6	42.5
56	Oberhausen	BBSR	2002–2017	12	0	120.8	41.9
57	Offenbach am Main	BBSR	2002–2017	7	0	541.9	40.3
58	Oldenburg	KOSTAT	2013–2017	8	0	77.6	–
59	Pforzheim	KOSTAT	2002–2017	8	0	210.9	–
60	Potsdam	BBSR	2002–2017	15	0	154.1	41.0
61	Recklinghausen	KOSTAT	2002–2017 w/o 2003,2007	7	0	135.5	–
62	Regensburg	BBSR	2002–2017	8	–	–	41.7
63	Remscheid	KOSTAT	2002–2017	9	0	116.0	41.5
64	Reutlingen	KOSTAT	2002–2017	10	0	184.2	–
65	Rheine	KOSTAT	2002–2017 w/o 2005,2008	12	1	59.0	–
66	Rostock	BBSR	2002–2017	12	1	48.0	42.4
67	Saarbruecken	BBSR	2002–2017	12	–	–	–
68	Salzgitter	KOSTAT	2002–2016 w/o 2005–2009	20	0	71.8	42.2
69	Schwerin	KOSTAT	2002–2017 w/o 2003	10	1	68.5	42.4
70	Siegen	KOSTAT	2002–2016 w/o 2010	10	1	59.9	–
71	Solingen	KOSTAT	2002–2017	10	0	160.7	41.8
72	Stuttgart	BBSR	2002–2017	11	0	545.6	41.4
73	Trier	KOSTAT	2002–2017 w/o 2003, 2004	12	0	105.3	41.1
74	Tubingen	KOSTAT	2002–2017	9	0	151.8	–
75	Ulm	KOSTAT	2002–2017	12	0	219.8	40.4
76	Villingen-Schwenningen	KOSTAT	2003–2017	13	0	71.3	–
77	Weimar	BBSR	2002–2017	8	0	76.3	41.3
78	Wiesbaden	BBSR	2002–2017	11	0	441.5	41.7
79	Witten	KOSTAT	2002–2017	9	0	132.7	–
80	Wolfsburg	KOSTAT	2002–2017	14	0	68.6	42.8
81	Wuppertal	BBSR	2002–2017	13	0	136.1	42.1
82	Wurzburg	BBSR	2014–2017	10	0	240.9	41.3
83	Zwickau	KOSTAT	2002–2016 w/o 2010	11	1	56.6	–

Note: KOSTAT data covers only total resident population, while BBSR data covers both total resident population and resident population in various age strata.

For some cities we are lacking information on prices of land (Hamburg, Hannover, Kassel, Luedenscheid, Regensburg, and Saarbruecken).

Source: Population data is from BBSR and KOSTAT, shapefiles to construct city profiles are either openly available or directly requested from city administrations. Price of land and mean population age data are from *Regionaldatenbank Deutschland* (www.regionalstatistik.de) and INKAR database (www.inkar.de).