

MEASUREMENT OF USING RIVERSIDE AREAS IN BIAŁYSTOK, LUBLIN AND RZESZÓW, POLAND [RAW DATA]

The data presents the results of riverside area measurements in the three largest cities in eastern Poland: Białystok, Lublin, and Rzeszów. In each city, riverside areas have been designated. Each riverside area was divided into sections. General data was collected for all sections. Data on using in motion is provided for sections of the riverside route. Data on stationary use is provided for areas of stationary activity. Using in motion data are presented in the form of intensity, i.e., the number of people traveling at a given point in both directions per hour. Data on stationary use are provided in raw form.

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Data collection: October 7 and 8, 2022, Friday (weekday) and Saturday (weekend), between 3:00 PM and 6:00 PM.

Observers (raw data on using):

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Raw data consists:

- General data for each city (such as area, amenities, vegetation condition, etc.)
- Sections data - data on features of all riverside areas and sections
- **Raw data on using:**
 - o **in motion - intensity person/hour** – for routes,
 - o **stationary – raw data** – for stationary areas

The data include the following user characteristics: number, type of activity, mode of movement, estimated age, gender

Riverside areas, sections, measuring routes and stationary areas added in repository as **GeoPackage (.gpkg)** files:

- Białystok_Sections
- Białystok_routes
- Białystok_stationary_areas
- Lublin_Sections
- Lublin_routes
- Lublin_stationary_areas
- Rzeszów_Sections
- Rzeszów_routes
- Rzeszów_stationary_areas

BIAŁYSTOK

GENERAL DATA

CITY	BIAŁYSTOK
population	296401
city area	102,1 km ²
population density	2902,2 os/km ²
main River	Biała
length in the city	19,77 km
riverside greenery area	795,9 ha / 7,959 km²
number of bridges	40

SECTION DATA

Section number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Section name	nad Supraślą	Zawady	Dziesieciny II	Wysoki Stoczek	łaki Sikorskiego	Park Antoniu k zach.	Park Antoniu k wsch.	Świętokrzyska	Ogródki Działkowe	Białost czek dziki	Białost czek bulwar	kościół Miłosier dzia Bożego	pod wiadukt em	Włókien nica	Skwer T. Solonie wicz	Jurowie cka	Sendler owel	Chodyki /Armii Krajowej	Park Stary	Elektrow nia	Galeria Biała	Renatur yzacja północ	Renatur yzacja południe	Ciołkow skiego północ	Ciołkow skiego południe	Dojlidy Fabrycz ne	Hasbach a	Stawy Dojlidzki e	Bułary Kościółk owskieg o (control point)
TOTAL																													
1 section area (ha)	795,9	170,08	59,322 828	80,956	33,847	118,10 3	13,942	10,211	12,564	70,004	2,822	5,909	3,202	0,207	1,86	3,337	1,578	1,717	2,409	4,11	0,7	4,849	10,041	7,655	3,903	3,833	15,422	33,861	119,44 9
2 river length in section (m)	19772, 7	2630,3	1078,2	2117,5	444,3	1344,5	708,0	824,6	1093,4	898,2	450,6	572,7	428,9	44,0	258,5	427,4	168,8	228,0	263,4	291,5	268,0	683,4	668,0	533,0	3,1	179,7	802,9	977,3	1384,7
3 pedestrian and bike paths length (m)	18492, 8	0	438,98	936,19	836	1644,5	453,46	230,72	434,12	1430,9 1	106,99	604,04	834,97	53,98	153,13	786,94	756,55	438,86	677,02	1810,7 8	332,67	1833,9 3	489,28	141,89	0	0	0	150,71	2916,1 8
4 pedestrian and bike paths density (m/ha)	23,24	0,00	7,40	11,56	24,70	13,92	32,52	22,60	34,55	20,44	37,91	102,22	260,77	260,77	82,33	235,82	479,44	255,60	281,04	440,58	475,24	378,21	48,73	18,54	0,00	0,00	0,00	4,45	24,41
5 separated bike paths length (m)	15982, 6	0,00	0,00	295,35	1252,1 1	1146,5 2	4,80	628,94	1035,8 1	1869,2 0	85,95	790,15	489,42	76,83	89,64	736,80	583,53	272,32	676,75	425,82	267,58	1097,3 1	1082,1 3	1035,1 6	714,99	410,61	602,99	0,00	311,92
6 separated bike paths density (m/ha)	20,08	0,00	0,00	3,65	36,99	9,71	0,34	61,59	82,44	26,70	30,46	133,72	152,85	371,15	48,19	220,80	369,79	158,60	280,93	103,61	382,26	226,30	107,77	135,23	183,19	107,13	39,10	0,00	2,61
7 ground paths length (m)	47842, 1	3601,3 3	552,96	439,07	1311,8 4	3321,7 9	2311,4 3	2873,0 5	680,56	17269, 53	484,43	35,70	299,22	0,00	270,02	263,58	53,18	574,51	335,97	21,72	0,00	283,26	0,00	3,73	0,00	0,00	752,07	2965,5 7	9137,5 9
8 ground paths density (m/ha)	60,11	21,17	9,32	5,42	38,76	28,13	165,79	281,37	54,17	246,69	171,66	6,04	93,45	0,00	145,17	78,99	33,70	334,60	139,47	5,28	0,00	58,42	0,00	0,49	0,00	0,00	48,77	87,58	76,50
9 all paths length (m)	82317, 5	3601,3 3	991,94	1670,6 2	3399,9 5	6112,8 0	2769,6 9	3732,7 0	2150,4 9	20569, 64	677,38	1429,8 9	1623,6 1	130,81	512,79	1787,3 2	1393,2 5	1285,6 9	1689,7 5	2258,3 1	600,25	3214,5 0	1571,4 1	1180,7 8	714,99	410,61	1355,0 5	3116,2 8	12365, 69
10 all paths density (m/ha)	103,43	21,17	16,72	20,64	100,45	51,76	198,66	365,56	171,16	293,84	240,03	241,98	507,06	631,93	275,69	535,61	882,92	748,80	701,43	549,47	857,51	662,92	156,50	154,25	183,19	107,13	87,86	92,03	103,52
11 number of bridges	40	0	1	3	1	2	1	1	2	2	2	1	2	1	0	1	2	1	2	2	2	5	2	0	1	0	1	0	2
12 number of trees	50867 189290	5781	2411	1994	2374	9059	836	966	574	5195	326	238	248	1	208	293	34	166	231	577	64	279	306	515	372	501	1448	3013	12857
13 tree crown area	6	200514	73520	64478	77927	377396	31904	41612	17234	149792	12053	8424	8825	79	8007	11095	1375	7050	9916	26210	2728	11637	10724	20268	13984	20923	49142	118932	517157
14 trees density / ha	74	34,0	40,6	24,6	70,1	76,7	60,0	94,6	45,7	74,2	115,5	40,3	77,5	4,8	111,8	87,8	21,5	96,7	95,9	140,4	91,4	57,5	30,5	67,3	95,3	130,7	93,9	89,0	107,6
15 tree shadow (% of area)	29	11,8	12,4	8,0	23,0	32,0	22,9	40,8	13,7	21,4	42,7	14,3	27,6	3,8	43,0	33,2	8,7	41,1	41,2	63,8	39,0	24,0	10,7	26,5	35,8	54,6	31,9	35,1	43,3
16 number of amenities	291	0	1	1	1	0	10	59	1	1	1	3	42	0	0	11	23	9	10	27	0	20	0	1	0	0	0	0	70
17 surface quality: 5-flat asphalt, 4-brick/ting quality, 3-asphalt/brick degraded, 2-gravel, 1-round, 0-no surface	0	0	0	0	0	0	2	2	1	1	1	5	1	3	1	5	5	5	5	5	5	5	5	5	5	5	0	0	5
18 greenery management: 3-no management, spontaneous vegetation, 2-occasionally management, 1-intensive management	2	2	2	2	2	2	1	1	2	2	3	1	1	1	2	1	1	1	1	1	1	1	2	2	3	3	3	3	1
19 continuity of the route: 2-both directions, 1-one direction, 0-separated route							1	1				0		0		1	2	2	2	2	2	2	2	2	2				0

RAW DATA ON USING, in motion - intensity person/hour in both directions, stationary – raw data for ROUTES and STATIONARY AREAS

Section number	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Friday - in motion																															
Pedestrian, male	550						54	42				6		160		40	36	52	32	28	24	28	12	18	0	12			6	84	
Pedestrian, female	472						36	36				12		124		48	36	48	36	28	24	8	0	6	0	24			6	156	
Pedestrian, children	104						12	6				24		16		8	8	0	8	8	0	8	0	6	0	0			0	48	
Cyclists, male	668						0	0				6		36		8	128	84	136	64	68	48	12	42	12	12			12	28	
Cyclists, female	248						6	0				0		16		4	44	16	56	32	12	4	16	18	6	0			18	8	
Cyclists, children	104						0	12				0		0		0	12	4	12	12	20	12	8	12	0	0			0	8	
Scooters (added to cyclists)	112						0	0				0		16		0	32	16	4	8	0	12	0	24	0	0			0	8	
With disabilities (added to pedestrians)	4						0	0				0		0		0	0	0	4	0	0	0	0	0	0	0			0	0	
With dogs (added to pedestrians)	58						0	0				12		0		0	0	4	0	4	4	0	4	6	0	18			6	0	
Others: runners, skateboards, roller skates etc. (added to pedestrians)	28						0	0				0		0		0	4	4	4	4	4	8	0	0	0	0			0	0	
Pedestrian total	1126						102	84				42		300		96	80	100	76	64	48	44	12	30	0	36			12	288	
Cyclists total	1020						6	12				6		52		12	184	104	204	108	100	64	36	72	18	12			30	44	
male total	1218						54	42				12		196		48	164	136	168	92	92	76	24	60	12	24			18	112	
female total	720						42	36				12		140		52	80	64	92	60	36	12	16	24	6	24			24	164	
children total	208						12	18				24		16		8	20	4	20	20	20	20	8	18	0	0			0	56	
Total in motion	2146						108	96				48		352		108	264	204	280	172	148	108	48	102	18	48			42	332	
Friday - stationary																															
male	71						8	10				1	1			4	18	1	2	8		3		1					14		
female	106						11	23				2	10			8	14	1	3	13		4		1					16		
children	47						2	20				1	3			0	0	0	0	5		1		7					8		
total stationary	224						21	53				4	14			12	32	2	5	26		8		9					38		
All users	2370						129	149				52	14			120	296	206	285	198		116		111					80		
							0	0				0	0			0	0	0	0	0	0	0	0	0	0				0		
Saturday - in motion																															
Pedestrian, male	348						0	30				6		56		40	48	64	12	8	36	32	4	0	0	0			12	176	
Pedestrian, female	498						6	18				30		80		64	64	64	24	24	44	32	0	6	18	6			18	196	
Pedestrian, children	150						18	18				12		12		32	12	12	8	4	4	12	0	0	0	0			6	104	
Cyclists, male	432						6	6				6		28		12	64	36	84	40	40	56	24	12	12	0			6	12	
Cyclists, female	216						0	0				0		8		4	24	12	44	24	24	28	12	6	12	6			12	12	
Cyclists, children	102						0	6				0		0		0	32	12	8	12	4	8	8	0	12	0			0	16	
Scooters (added to cyclists)	82						0	6				0		4		8	12	12	16	8	4	8	4	0	0	0			0	12	
With disabilities (added to pedestrians)	0						0	0				0		0		0	0	0	0	0	0	0	0	0	0	0			0	4	
With dogs (added to pedestrians)	26						0	0				6		0		4	4	0	4	0	4	4	0	0	0	0			0	12	
Others: runners, skateboards, roller skates etc. (added to pedestrians)	8						0	0				0		0		0	0	0	0	0	0	8	0	0	0	0			0	0	
Pedestrian total	996						24	66				48		148		136	124	140	44	36	84	76	4	6	18	6			36	476	
Cyclists total	750						6	12				6		36		16	120	60	136	76	68	92	44	18	36	6			18	40	
male total	780						6	36				12		84		52	112	100	96	48	76	88	28	12	12	0			18	188	
female total	714						6	18				30		88		68	88	76	68	48	68	60	12	12	30	12			30	208	
children total	252						18	24				12		12		32	44	24	16	16	8	20	8	0	12	0			6	120	
Total in motion	1746						30	78				54		184		152	244	200	180	112	152	168	48	24	54	12			54	516	
Friday - stationary																															
male	102						10	16				5	2			5	6	2	4	17		8		2					25		
female	99						6	18				3	3			12	2	5	7	17		5		0					21		
children	98						4	26				4	7			7	1	10	5	4		7		9					14		
total stationary	299						20	60				12	12			24	9	17	16	38		20		11					60		
All users	2045						50	138				66	12			176	253	217	196	150		188		35					114		

LUBLIN

GENERAL DATA

CITY	LUBLIN
population	336339
city area	147,5 km2
population density	2280,3 os/km2
main River	Bystrzyca
length in the city	22,8 km
riverside greenery area	1240,91 ha / 12,4091 km2
number of bridges	32

SECTION DATA

Section number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	250	
Section name	Jakubo wice	Łąki Trześciń ow	Łąki Ponikw oda	ROD Kalna	Zawilco wa	Cybulskiego	Grafia	Przyjaź ni	Eternit	Ogródk i Podzamcze	Bronow ice	Unii Lubelskiej i Most Kultury	Bulwar Zalewski	Park Ludow y	Stadion	Waplen na	Meandr y	skatepark	park Nałkow skich	Kolo	łąki Wrońko wskie	Majdan Wrońko wski	Słonec znik	Słonec zny Wrońkó w	Marina	Dąbrow a	Zembo rzyce	dziki zbiornik	łąki Zembor zyce Górne	Rudki	Tama Zalewu	
TOTAL																																
1 section area (ha)	1240,91	24,76	66,15	12,37	33,00	8,21	2,18	3,01	13,81	3,83	50,89	6,27	3,74	11,93	28,40	15,80	19,10	19,07	6,36	7,35	9,86	28,37	13,35	72,37	50,89	39,74	108,95	87,72	246,85	46,87	199,73	
2 river length in section (m)	22765,52	1104,13	1385,80	116,30	916,98	603,58	182,47	395,64	584,74	250,14	279,50	327,30	356,34	933,67	572,63	548,53	855,90	1026,74	440,33	278,73	558,08	455,95	632,87	1384,43	610,43	0,00	3579,72	3654,87	5446,78	1620,99	2282,59	
3 pedestrian and bike paths length (m)	72740,02	466,01	255,89	36,50	3675,49	688,74	746,46	194,04	1501,39	523,65	8572,47	445,05	959,00	2311,43	8841,97	2817,05	2144,24	2671,50	1328,55	208,47	813,94	990,75	1700,46	5409,31	4877,76	3082,04	3579,72	3654,87	5446,78	1620,99	3175,48	
4 pedestrian and bike paths density (m/ha)	58,62	18,82	3,87	2,95	111,38	83,90	342,26	64,53	108,75	136,76	168,46	70,95	256,28	193,78	311,34	178,25	112,29	140,10	208,92	28,36	82,59	34,93	127,34	74,74	95,85	77,55	32,86	41,67	22,07	34,58	15,90	
5 separated bike paths length (m)	25754,12	0,00	0,00	0,00	0,00	646,15	425,93	515,23	690,05	0,00	0,00	0,00	457,03	1323,23	1553,97	1149,97	816,97	1374,28	1053,20	84,43	661,85	459,42	752,08	33,33	2296,20	2204,19	1687,22	3500,74	1633,34	0,14	0,00	
6 separated bike paths density (m/ha)	20,75	0,00	0,00	0,00	78,71	195,29	171,34	49,98	130,09	0,00	82,75	519,10	122,13	110,93	54,72	72,76	42,78	72,07	165,62	11,49	67,16	16,20	56,32	31,73	43,31	42,45	13,32	39,91	6,62	0,00	0,00	
7 ground paths length (m)	24669,48	0,00	333,28	196,43	912,84	79,17	0,00	0,00	1359,76	7,16	1274,00	809,57	166,38	86,17	179,15	0,00	747,33	178,71	537,99	611,79	114,23	113,98	127,28	35,35	45,10	656,91	54,95	5433,13	28,41	6634,21		
8 ground paths density (m/ha)	19,88	0,00	5,04	15,88	27,66	9,64	0,00	0,00	98,49	1,87	25,04	129,06	44,46	7,22	6,31	0,00	39,14	9,37	84,57	83,23	11,59	4,02	9,53	42,48	17,83	1,13	6,03	0,63	22,01	0,61	33,22	
9 all paths length (m)	123163,61	466,01	589,17	232,94	4588,33	1414,06	1172,39	709,26	3551,20	1028,91	9846,47	1773,71	1582,41	3720,83	10575,09	3967,03	3708,54	4224,50	2919,54	904,69	1590,02	1564,15	2579,82	10779,98	7989,33	4814,33	5687,85	7210,57	12513,25	1649,55	9809,69	
10 all paths density (m/ha)	99,25	18,82	8,91	18,84	139,04	172,26	537,55	235,77	257,22	268,71	193,50	282,75	422,88	311,94	372,36	251,01	194,22	221,55	459,12	123,07	161,34	55,14	193,19	148,95	157,00	121,14	52,21	82,20	50,69	35,19	49,11	
11 number of bridges	32	3	1	0	0	1	2	1	0	0	0	1	3	1	3	1	1	3	1	0	2	1	1	3	0	0	0	1	0	1	1	
12 number of trees	83313	1283	1963	268	2980	860	20	64	1156	29	5734	309	161	1334	3315	1153	1579	1390	481	620	642	1136	953	4786	1549	1580	6101	269	23218	1023	17357	
13 tree crown area	3217851	48713	68888	8342	80571	26222	834	2008	34188	1088	16261	12929	5585	42543	14386	31537	42810	52698	16206	24043	23325	46706	35225	13848	9	56869	68900	28878	3	8635	99505	70504
14 trees density / ha	61	51,8	29,7	21,7	90,3	104,8	9,2	21,3	83,7	7,6	112,7	49,3	43,0	111,8	116,7	73,0	82,7	72,9	75,6	84,3	65,1	40,0	71,4	66,1	30,4	39,8	56,0	3,1	94,1	21,8	86,9	
15 tree shadow (% of area)	21	19,7	10,4	6,7	24,4	31,9	3,8	6,7	24,8	2,8	32,0	20,6	14,9	35,7	50,7	20,0	22,4	27,6	25,5	32,7	23,7	16,5	26,4	19,1	11,2	17,3	26,5	1,0	40,3	9,6	35,3	
16 number of amenities	483	0	1	0	0	0	0	4	42	2	0	17	4	12	133	7	7	5	9	9	5	4	5	14	67	91	40	5	0	0	0	
17 surface quality: 5-flat asphalt, 4-brick hing quality, 3-asphalt/brick degraded, 2-gravel, 1-ground, 0-no surface	0	0	0	0	4	4	4	3	3	3	0	3	3	3	3	3	4	4	4	4	1	4	4	4	4	4	4	4	3	0	0	
18 greenery management: 3-no managenet, spontanous vegetation, 2-ocasionally managenet, 1-intensive management	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	1	2	2	3	
19 continuity of the route: 2-both directions, 1-one direction, 0-separated route	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1			

RAW DATA ON USING, in motion - intensity person/hour in both directions, stationary – raw data – FOR ROUTES AND STATIONARY AREAS

Section number	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	250
Friday - in motion																																
Pedestrian, male	386					12	4	4	28	40		52	8	8	16	0	16	8	0		0	0	28	16	24	16	4	8	4		90	
Pedestrian, female	384					18	4	8	20	12		44	4	24	16	0	28	4	0		4	12	4	12	24	20	8	4	0		114	
Pedestrian, children	108					0	4	8	8	4		12	0	0	12	0	16	0	0		0	0	0	0	16	12	4	0	0		12	
Cyclists, male	1512					24	52	68	52	52		68	28	60	60	48	88	104	64		32	36	88	76	56	120	80	32	44		180	
Cyclists, female	718					12	32	36	20	24		44	24	28	24	12	84	56	16		32	32	24	20	24	60	28	8	12		66	
Cyclists, children	54					0	0	0	8	8		12	4	0	4	0	4	4	0		0	0	0	0	4	0	0	0	0		6	
Scooters (added to cyclists)	60					0	0	0	8	16		16	0	0	12	0	0	0	0		0	0	0	0	0	0	0	0	0		0	
With disabilities (added to pedestrians)	0					0	0	0	0	0		0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0		0	
With dogs (added to pedestrians)	74					0	0	0	24	16		0	4	4	0	0	0	0	0		0	0	4	0	0	4	0	0	0		18	
Others: runners, skateboards, roller skates etc. (added to pedestrians)	0					0	0	0	0	0		0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0		0	
Pedestrian total	878					30	12	20	56	56		108	12	32	44	0	60	12	0		4	12	32	28	64	48	16	12	4	216		
Cyclists total	2284					36	84	104	80	84		124	56	88	88	60	176	164	80		64	68	112	96	84	180	108	40	56	252		
male total	1898					36	56	72	80	92		120	36	68	76	48	104	112	64		32	36	116	92	80	136	84	40	48	270		
female total	1102					30	36	44	40	36		88	28	52	40	12	112	60	16		36	44	28	32	48	80	36	12	12	180		
children total	162					0	4	8	16	12		24	4	0	16	0	20	4	0		0	0	0	0	20	12	4	0	0	18		
Total in motion	3162,0					66	96	124	136	140		232	68	120	132	60	236	176	80		68	80	144	124	148	228	124	52	60	468		
Friday - stationary																																
male	110									11		4	1	0	20						0	1			22	28	23					
female	111									10		1	1	0	38							0	0		24	25	12					
children	127									17		0	0	0	61							7	11		11	20	0					
total stationary	348									38		5	2	0	119							7	12		57	73	35					
All users	3510								174	140		237	70		251						87	12			205	301	159					
Saturday - in motion																																
Pedestrian, male	652					30	8	20	16	12		24	20	36	56	24	24	16	0		8	8	12	8	108	40	20	56	16		90	
Pedestrian, female	744					12	4	12	24	32		16	24	52	60	24	16	8	12		8	8	8	20	116	32	24	56	8		168	
Pedestrian, children	278					24	8	12	4	4		12	8	20	12	6	0	0	0		0	0	0	0	60	12	4	12	8		72	
Cyclists, male	2194					18	56	56	44	48		56	76	48	92	78	116	120	208		120	124	164	144	108	108	92	96	84		138	
Cyclists, female	1326					30	48	52	28	36		32	36	40	44	18	56	52	148		52	68	112	104	64	64	52	56	56		78	
Cyclists, children	336					12	20	20	12	20		24	0	24	36	6	12	16	12		4	4	20	20	20	20	4	12	12		6	
Scooters (added to cyclists)	82					6	8	8	0	0		8	4	4	12	0	0	0	0		0	8	8	4	4	4	0	0	4		0	
With disabilities (added to pedestrians)	8					0	0	0	0	0		0	0	0	0	0	0	0	0		0	0	0	0	0	0	4	4	0		0	
With dogs (added to pedestrians)	46					0	0	0	4	8		0	0	12	0	0	4	0	0		0	0	0	0	4	0	0	8	0		6	
Others: runners, skateboards, roller skates etc. (added to pedestrians)	0					0	0	0	0	0		0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0		0	
Pedestrian total	1674					66	20	44	44	48		52	52	108	128	54	40	24	12		16	16	20	28	284	84	48	124	32	330		
Cyclists total	3856					60	124	128	84	104		112	112	112	172	102	184	188	368		176	196	296	268	192	192	148	164	152	222		
male total	2846					48	64	76	60	60		80	96	84	148	102	140	136	208		128	132	176	152	216	148	112	152	100	228		
female total	2070					42	52	64	52	68		48	60	92	104	42	72	60	160		60	76	120	124	180	96	76	112	64	246		
children total	614					36	28	32	16	24		36	8	44	48	12	12	16	12		4	4	20	20	80	32	8	24	20	78		
Total in motion	5530					126	144	172	128	152		164	164	220	300	156	224	212	380		192	212	316	296	476	276	196	288	184	552		
Friday - stationary																																
male	189									9		3	1		33						3	4			53	19	64					
female	224									12		0	1		45						2	5			73	31	55					
children	169									15		2	0		69						6	10			42	19	6					
total stationary	582									36		5	2		147						11	19			168	69	125					
All users	6112								164	152		169	166		447						391	19			644	345	321					

RZESZÓW

GENERAL DATA

CITY	RZESZÓW
population	196 637
city area	128,5 km2
population density	1530 os/km2
main River	Wisłok
length in the city	15,2 km
riverside greenery area	461,62 ha / 4,6162 km
number of bridges	12

SECTION DATA

Section number		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	61	71	
Section name		za oczyszczalnią	Koral	przy Tysiąclecia	Pobitno	przy Dworaka	Stary Cmentarz	Olszynki	Podpromie	Podwisłocze	Bulwary (PKiW)	Stadion	Kwadrat Kultury	bulwar WSK	bulwar do żwirowni	Lisia Góra	Żwirownia	dziki zbiornik	ujęcie wody	Zwiczycza	Budziwój	Merkury Market	Capital Tower	
	TOTAL																							
1	section area (ha)	461,62	82,1739	38,3339	10,0545	20,1531	8,0607	9,6805	10,6397	4,3981	13,1382	14,8845	3,4921	5,8287	11,2582	19,0464	17,6466	24,8392	126,6096	1,9459	19,0765	20,3607		
2	river length in section (m)	15212,59	1713,67	1664,94	502,64	495,94	595,88	515,80	739,71	0,00	309,71	480,76	198,32	240,15	567,45	578,48	162,87	32,64	5360,93	289,02	431,39	332,28		
3	pedestrian and bike paths length (m)	22339,61	2478,64	555,12	353,22	1141,31	452,87	2087,47	1880,71	615,95	56,28	3614,68	487,15	1155,48	2044,80	364,34	1234,51	321,01	1464,90	0,00	1059,65	971,51		
4	pedestrian and bike paths density (m/ha)	48,39	30,16	14,48	35,13	56,63	56,18	215,64	176,76	140,05	4,28	242,85	139,50	198,24	181,63	19,13	69,96	12,92	11,57	0,00	55,55	47,71		
5	separated bike paths length (m)	14810,22	487,30	884,52	0,00	0,00	904,32	1734,74	2009,78	433,01	160,66	871,62	529,63	785,75	1056,31	1389,68	635,70	1173,60	1753,62	0,00	0,00	0,00		
6	separated bike paths density (m/ha)	32,08	5,93	23,07	0,00	0,00	112,19	179,20	188,89	98,45	12,23	58,56	151,67	134,81	93,83	72,96	36,02	47,25	13,85	0,00	0,00	0,00		
7	ground paths length (m)	59124,26	4090,55	2415,86	1137,54	3918,07	2247,67	4167,06	4752,01	2286,54	1047,12	6665,99	1271,72	2358,07	3325,67	2292,25	4420,03	2359,13	5281,55	76,37	2708,60	2302,47		
8	ground paths density (m/ha)	128,08	49,78	63,02	113,14	194,42	278,84	430,46	446,63	519,89	79,70	447,85	364,17	404,56	295,40	120,35	250,47	94,98	41,72	39,24	141,99	113,08		
9	all paths length (m)	96274,09	7056,49	3855,50	1490,76	5059,37	3604,86	7989,26	8642,50	3335,51	1264,06	11152,28	2288,51	4299,30	6426,78	4046,26	6290,25	3853,74	8500,07	76,37	3768,25	3273,98		
10	all paths density (m/ha)	208,56	85,87	100,58	148,27	251,05	447,21	825,29	812,29	758,40	96,21	749,25	655,34	737,61	570,85	212,44	356,46	155,15	67,14	39,24	197,53	160,80		
11	number of bridges	12	2	1	1	1	2	1	1	0	1	0	1	0	0	0	0	0	0	0	0	1		
12	number of trees	30701	3244	4796	730	2091	498	788	586	165	732	892	94	105	438	1051	2085	1837	7036	61	2020	1452		
13	tree crown area	1082337	90293	159886	25323	81542	16117	34475	25978	5611	26302	38763	4370	3011	15610	26977	101686	78900	223263	1542	70283	52405		
14	trees density / ha	64	39,5	125,1	72,6	103,8	61,8	81,4	55,1	37,5	55,7	59,9	26,9	18,0	38,9	55,2	118,2	74,0	55,6	31,3	105,9	71,3		
15	tree shadow (% of area)	24	11,0	41,7	25,2	40,5	20,0	35,6	24,4	12,8	20,0	26,0	12,5	5,2	13,9	14,2	57,6	31,8	17,6	7,9	36,8	25,7		
16	number of amenities	424	0	0	0	0	0	28	49	12	0	104	9	24	39	0	36	63	47	0	13	0		
	surface quality: 5-flat asphalt, 4-brick hing quality, 3-asphalt/brick degraded, 2-gravel, 1-ground, 0-no surface		0	0	0	1	5	5	5	5	1	5	5	4	5	5	5	5	5	0	1	1	5	5
	greenery management: 3-no managenet, spontaneous vegetation, 2-ocasionally managenet, 1-intensive management		3	3	3	3	1	1	1	1	2	1	1	1	1	2	1	1	3	1	3	3		
	continuity of the route: 2-both directions, 1-one direction, 0-separated route						1	1	2	2	2	2	1	2	1	2	1	2	1	2		2	1	

RAW DATA ON USING, in motion - intensity person/hour in both directions, stationary – raw data

Section number	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	61	71
Friday - in motion																							
Pedestrian, male	1080				12	12	72	48	76	12	108	84	100	136	16	188	36	168				4	8
Pedestrian, female	986				6	6	64	44	80	12	136	84	72	132	8	172	40	90				20	20
Pedestrian, children	108				0	0	8	0	12	0	16	16	8	4	0	16	20	0				0	8
Cyclists, male	1200				12	12	92	84	112	6	148	156	36	212	44	148	60	66				8	4
Cyclists, female	544				12	12	76	24	56	0	40	56	20	68	36	72	8	60				0	4
Cyclists, children	170				0	0	4	0	20	0	12	24	12	20	12	40	20	6				0	0
Scooters (added to cyclists)	96				0	0	12	12	20	0	8	4	4	12	8	4	8	0				0	4
With disabilities (added to pedestrians)	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0
With dogs (added to pedestrians)	80				0	0	0	4	4	18	16	12	4	0	0	4	12	6				0	0
Others: runners, skateboards, roller skates etc. (added to pedestrians)	346				0	0	8	8	12	0	40	24	0	56	0	60	12	126				0	0
Pedestrian total	2174				18	18	144	92	168	24	260	184	180	272	24	376	96	258				24	36
Cyclists total	1914				24	24	172	108	188	6	200	236	68	300	92	260	88	132				8	8
male total	2280				24	24	164	132	188	18	256	240	136	348	60	336	96	234				12	12
female total	1530				18	18	140	68	136	12	176	140	92	200	44	244	48	150				20	24
children total	278				0	0	12	0	32	0	28	40	20	24	12	56	40	6				0	8
Total in motion	4088				42	42	316	200	356	30	460	420	248	572	116	636	184	390				32	44
Friday - stationary																							
male	119				1	2	5	14	10		31	7	4	10		25	10						
female	128				0	1	8	15	8		33	7	5	9		31	11						
children	108				0	0	6	5	8		21	25	1	2		27	13						
total stationary	355				1	3	19	34	26		85	39	10	21		83	34						
All users	4443				43	45	335	234	382		545	459	258	593		719	218						
Saturday - in motion																							
Pedestrian, male	1096				6	6	32	44	88	30	132	100	92	132	20	204	68	102				4	36
Pedestrian, female	1184				30	30	52	20	104	6	200	96	84	136	44	180	72	78				4	48
Pedestrian, children	242				6	6	0	0	4	0	32	28	16	12	8	56	48	18				4	4
Cyclists, male	1254				18	18	76	128	152	12	116	152	24	164	72	124	72	90				8	28
Cyclists, female	550				6	6	44	60	72	6	52	88	4	64	16	40	28	36				8	20
Cyclists, children	342				24	24	24	24	16	6	48	24	36	40	16	20	0	36				0	4
Scooters (added to cyclists)	160				0	0	4	4	16	0	20	56	4	16	0	8	4	12				0	16
With disabilities (added to pedestrians)	0				0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0
With dogs (added to pedestrians)	104				6	6	8	0	8	0	4	4	0	0	12	8	20	12				0	16
Others: runners, skateboards, roller skates etc. (added to pedestrians)	296				0	0	0	0	12	6	28	52	8	64	8	60	4	54				0	0
Pedestrian total	2522				42	42	84	64	196	36	364	224	192	280	72	440	188	198				12	88
Cyclists total	2146				48	48	144	212	240	24	216	264	64	268	104	184	100	162				16	52
male total	2350				24	24	108	172	240	42	248	252	116	296	92	328	140	192				12	64
female total	1734				36	36	96	80	176	12	252	184	88	200	60	220	100	114				12	68
children total	584				30	30	24	24	20	6	80	52	52	52	24	76	48	54				4	8
Total in motion	4668				90	90	228	276	436	60	580	488	256	548	176	624	288	360				28	140
Friday - stationary																							
male	178				2	7	6	14	9		44	11	7	13		30	35						
female	198				2	2	12	29	6		57	7	1	13		32	37						
children	180				3	7	0	7	19		38	30	0	8		27	41						
total stationary	551				7	16	18	50	34		134	48	8	34		89	113						
All users	5219				97	106	246	326	470		714	536	264	582		713	401						