

Name and last name: .....

**Exercise 1. Traffic zone characteristic****Introduction**

A traffic analysis zone (TAZ) is an area of a city with possibly homogeneous (uniform) spatial development (e.g. residential area, industrial area), access to transportation network and travel behavior. Borders of traffic zones are designated either along transportation barriers (e.g. watercourses, railway lines or higher-class roads: A, S, GP) or spatial development borders. The city of Cracow is divided into 363 traffic zones.

**Exercise**

For designated traffic zone do the following:

- describe location of TAZ (which part of the city, paid parking zone, etc.) and draw it on a map (e.g. Google, OpenStreetMap),
- describe spatial development, i.e. land-use (building types e.g. residential, commercial, office, industrial or other land use e.g. forests, parks, agriculture),
- find explanatory variables according to the table below, using materials from the website [www.kst.pk.edu.pl](http://www.kst.pk.edu.pl) (tab 'Materiały do zajęć'),
- verify if explanatory variables match with actual spatial development of traffic zone; please comment possible differences in the table in the column 'Comments',
- describe transportation network and services in the analyzed TAZ (roads, bus stops, public transport lines, bicycle lanes, parkings, main pedestrian ways).

**Calculations**

Tab. 1. Quantity of explanatory variables

Traffic analysis zone (TAZ) number:			
Variables	Quantity (x)	Unit	Comments
number of inhabitants (L_MIESZK)		[persons]	
area of office buildings (POW_BIUR)		[m <sup>2</sup> ]	
area of commercial buildings (POW_HANDL)		[m <sup>2</sup> ]	
area of residential buildings (POW_MIESZK)		[m <sup>2</sup> ]	
area of factories (POW_PROD)		[m <sup>2</sup> ]	
area of industrial buildings (POW_PRZEM)		[m <sup>2</sup> ]	
area of educational buildings (POW_OSWIAT)		[m <sup>2</sup> ]	