

## Everyday urban environment (urbArki-2009)

### Data description:

This data is collected as part of the Urban Everyday (Urbaani Arki) project and includes the following datasets: Home locations, everyday errand points, suggestion points, and appeal points.

### Who collected (person/organization):

The dataset is collected in department of Built Environment, Aalto University, Finland, in Prof. Marketta Kyttä's research team.

### when collected the data:

Data is collected in 2012

### Data characteristics:

Age range: Data is collected from individuals aged 15-74

Geographical area: Tampere, Finland

Spatial reference: ETRS89\_TM35FIN\_E\_N

### Data quality:

Tools and methods: The data was collected using the Maptionnaire tool (maptionnaire.com) (aka. SoftGIS) from a randomly collected sample of 20235 individuals.

Link to survey (if applicable): NA

Anonymization: The home locations are spatially anonymized using a customized Gaussian perturbation algorithm developed by the research team. Largest displacements were typically applied in the least dense areas. Sensitive data and attributes are removed.

Other points have been also randomly anonymized to a lesser extent.

### Distribution:

License: Creative Commons Attribution 4.0 International (CC-BY-4.0)

### Metadata reference:

Who documented the data: The data is prepared for publishing by SoftGIS team (softgis-be@aalto.fi)

Preparation date: September 2019

### Data organization, entity, and attributes:

The spatial data includes four ESRI shapefiles consisting point features. The data also include a table in CSV format and a metadata file as PDF.

#### 1. Home\_points (shp)

Description: Home location of individuals as marked by them\*

\*Anonymized: Tool v 1.4 (1.1.2000.10(-5).2.4.0/8.200.300.G2)

Fields:

uid: unique identifier

Howlong: how long have you lived in this area?

Nicebike: is this a nice area for biking?

Nicecar: is this a nice area for using car?

Nicewalk: is this a nice area for walking?

pubservi: How good are public services in this area?

servpark: How good are parks in this area?

servpost: How good are postal services in this area?

servschool: How good are school services in this area?

servshop: How good are shopping services in this area?

Age\_cat: 1: Under 15 2: 15 to 65 3: Over 65 0: NA

**2. Personal variables (csv)**

Description: Personal information provided by the individuals in the survey

Fields:

uid=Unique Identifier

Gender: male or female

childenv= In what kind of environment did you grow up as a child?

driverL= Do you have a driving license?

family= Family type

howmanycars= how many cars are there in your household?

occupation= Employed or unemployed

resarea= your current residence area

appearance\_eval= How do you evaluate the appearance of this area as general?

atmosphere\_eval= How do you evaluate the atmosphere of this area as general?

functional\_eval= How functional do you think this area is?

social\_eval= How do you evaluate the social environment in this area as general?

Carusage= how important is car usage to you?

Diy= how important is to you to be a do-it-yourself person?

Ecology= How important are the ecological values to you?

Homefree= how important is it to you to have free time away from home?

Longdist= How strongly you prefer long distances

Nature= Good connection to nature is important to me

Quiet= how important the tranquility of your area is to you?

Residence= how important is it to you to invest on housing?

Social= how important is it to you to socialize with the neighbors?

Stay= how important is it to you to move from this area?

### **3. Everyday errand points (shp)**

Description: Everyday places as marked by the individuals \*

\*Anonymized: Tool dep v 1 (40.100)

Fields:

uid= unique identifier

valuenam= Type of destination

howvisit= travel mode used to visit this destination

whenvisit= On what days do you typically visit this location?

howoften= how often do you typically visit this location?

### **4. appeal\_points**

Description: Places marked\* by the participants with different perceived qualities

\*Anonymized: Tool dep v 1 (40.100)

Fields:

uid: unique identifier

valuenam= type of

Qual\_Type: Type of quality point (Functional, appearance, Atmosphere, social). positive, negative

Qualities: Qualities of the place as perceived by the participant

### **4. Suggestion\_points**

Description: Places marked\* by the participants as future development suggestions

\*Anonymized: Tool dep v 1 (40.100)

Fields:

uid: unique identifier

valuenam: Improvement suggestion (newBuild, improvePoint, removeObj