Data description for the dataset *road traffic volume map 2014 for North Rhine-Westphalia, Germany*

The following list contains detailed descriptions of the different attributes of the free accessible road traffic volume map developed by Janos L. Breuer et al. from Forschungszentrum Jülich GmbH. The methodology behind this dataset is explained in the reference below.

As reference for usage, please use the following source:

Janos Lucian Breuer, Remzi Can Samsun, Ralf Peters, Detlef Stolten. A bottom-up approach for road transport emissions on street level: A case study in North Rhine-Westphalia, Germany. *In preparation*

Table 1 Description of the attributes

Attribute name	Description	Datatype
AT	Daily average traffic volume of articulated trucks in vehicle km.	Float
AT_spec	Daily average specific traffic volume of articulated trucks in vehicle km per street km.	Float
BUSES	Daily average traffic volume of buses in vehicle km.	Float
BUSES_spec	Daily average specific traffic volume of buses in vehicle km per street km.	Float
LDV	Daily average traffic volume of light duty vehicles in vehicle km.	Float
LDV_spec	Daily average specific traffic volume of light duty vehicles in vehicle km per street km.	Float
MC	Daily average traffic volume of motorcycles in vehicle km.	Float
MC_spec	Daily average specific traffic volume of motorcycles in vehicle km per street km.	Float
OTHER	Daily average traffic volume of other vehicles in vehicle km	Float
OTHER_spec	Daily average specific traffic volume of other vehicles in vehicle km per street km.	Float
PC	Daily average traffic volume of passenger cars in vehicle km.	Float
PC_spec	Daily average specific traffic volume of passenger cars in vehicle km per street km.	Float
RT	Daily average traffic volume of rigid trucks in vehicle km.	Float
RT_spec	Daily average specific traffic volume of rigid trucks in vehicle km per street km.	Float
TT	Daily average traffic volume of trailer trucks in vehicle km.	Float
TT_spec	Daily average specific traffic volume of trailer trucks in vehicle km per street km.	Float
STRNM	The name of the street.	String
STRCL	The street class of the street. Street classes: A: Bundesautobahn (i.e. federal highway) B: Bundesstraße (i.e. federal road) L: Landesstraße (i.e. state road) K: Kreisstraße (i.e. district road) O: Other street	String
Landscape	Landscape in which the street is located. The landscape is divided into rural areas and urban areas after the morphological zones of the European Environmental Agency [1].	String

Table 2 Description of the different vehicle classes motorcycle, passenger car, light duty vehicles, buses, rigid trucks, trailer trucks, articulated trucks and other vehicles adapted from Bast [2]

Name	Description
Motorcycles (MC)	Motorcycles with insurance disc or license number
Passenger cars (PC)	Passenger cars with and without trailer
Light duty vehicles (LDV)	Trucks with gross vehicle weight < 3.5 t without trailer, campers
Buses	Urban buses, coaches
Rigid trucks (RT)	Trucks with gross vehicle weight > 3.5 t without trailer, trucks with semitrailer for tanks without trailer, fuel tank trucks, trucks with special constructions
Trailer trucks (TT)	Trucks with gross vehicle weight > 3.5 t with trailer, trucks with semitrailer for tanks with trailer, other tractors (including tractors with tang wagon)
Articulated trucks (AT)	Articulated trucks, articulated trucks with semitrailer as fuel tank truck
Other vehicles	Agricultural tractors, remaining motor vehicles, other motor vehicles and not classified motor vehicles

1. EEA, European Environment Agency, *Urban morphological zones 2006*. 2014.
2. Bast, Bundesanstalt für Straßenwesen, *Fahrleistungserhebung 2014.* Verkehrstechnik, 2017. **Heft V 290**.