



METHODOLOGICAL EXPLANATION

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COUNTING OF ROAD TRAFFIC

This methodological explanation relates to the data releases:

- Counting of road traffic, Slovenia, quarterly



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1 PURPOSE

The purpose of publishing statistical data on road traffic counts is to present data on the traffic of passenger and freight vehicles on Slovenian roads. Data show the movements, volume and structure of vehicle traffic.

2 LEGAL FRAMEWORK

- [Annual Programme of Statistical Surveys \(LPSR\) \(only in Slovene\)](#)
- [National Statistics Act \(OJ RS, No. 45/95 and 9/01\)](#)

3 UNIT DESCRIBED BY THE PUBLISHED DATA

The unit described by the data is the vehicle detected by the traffic counter.

4 SELECTION OF OBSERVATION UNIT

The unit of observation is the highway section where the traffic counter is located.

The statistical survey Counting of road traffic (TR-AŠP) is carried out on the basis of full coverage. All automatic traffic counters that count in both driving directions are included in the observation. There are a little more than 170 counters located on Slovenian motorways, and 21 of them were selected for this survey. They were chosen based on the volume of traffic, counter type and region or section of the motorway. The selection comprises traffic counters that distinguish between categories of vehicles and are located on different sections of the motorway network in Slovenia.

5 SOURCES AND METHODS OF DATA COLLECTION

Data are collected monthly.

The data for the TR-AŠP survey are obtained from the administrative source of the Directorate of Infrastructure of the Republic of Slovenia (DRSI), which includes data collected for the purpose of traffic monitoring.

6 DEFINITIONS

Automatic traffic counters are located on road sections and monitor the traffic situation. Most of them are a QLTC-8C device type that supports GPRS data transmission (smart counters). Data collection for individual locations is carried out via a server. This server also supports the operation of the Traffic Agent system, which checks the traffic status at current locations every 5 minutes and automatically sends data in the form of XML files to DRSI.

Location of the counting place: The exact location of the counting place is defined by the national coordinate system (D96/TM). Each counting place is named and additionally specified by the road number, the section number, the counting point, the counting type and xy coordinates. It is also displayed on [the map of the Slovenian road network](#).

Traffic counting is a method of determining the number and type of vehicles travelling on a selected section of road at a given time.

Daily average is the average number of vehicles per day, calculated on the basis of data from the automatic traffic counter about the total number of vehicles that passed the selected section of the road in a given month, and based on the number of days in this month.

Road infrastructure: In Slovenia, the roads of the public road network are divided into national and municipal roads. State roads are owned by the state, while municipal roads are owned by individual municipalities.

Passenger vehicles are vehicles used to transport passengers and include cars, motorbikes and buses.

Goods vehicles are vehicles that are used to transport goods and are divided into light trucks (under 3.5 tonnes), medium trucks (3.5–7 tonnes), heavy trucks (over 7 tonnes) and trucks with trailers and tractors.

7 EXPLANATIONS

7.1 CLASSIFICATIONS

7.2 DATA PROCESSING

DATA EDITING

Data were edited with appropriate imputation procedures and by using appropriate individual corrections. The following imputation methods were used: the Historical Imputation Method and the Hot-Deck Imputation Method.

Data is inserted only if it is missing for a certain period, less than one month. If the counter has not worked for the entire month, the data is not inserted.

For more, see the general methodological explanations [Statistical data editing](#).

WEIGHTING

Weighting was not performed.

SEASONAL ADJUSTMENT

Seasonal adjustment is not applicable.

7.3 INDICES

Indices are not published.

7.4 PRECISION

The precision is not calculated.

7.5 OTHER EXPLANATIONS

8 PUBLISHING

- SiStat Database: Transport – Road transport – [Traffic counting](#). Absolute data are published.
- First Release (Transport, Road transport): »Road traffic count, Slovenia, quarterly«.

9 REVISION OF THE DATA

9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

Provisional data are not disseminated. Only final data are published.

9.2 FACTORS INFLUENCING COMPARABILITY OVER TIME

There were no breaks in the time series, so all time points are comparable.

10 OTHER METHODOLOGICAL MATERIALS

Methodological materials on SURS's website are available at <https://www.stat.si/statweb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>.

- Questionnaire:
 - SURS does not collect data for this survey by using a questionnaire.