

Big Data Challenge (/datamine/big-data-challenge/) / Area C

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Schema

Gate Dataset

- **Gate id:** the id of the gate. TYPE: numeric.
- **Street:** the name of the street where the gate is placed. TYPE: string.
- **Type:** the type of the gate. It can have one of the following values:
  - TPL: the gate is reserved for public transportation
  - Pedaggio: the gate is for all kinds of vehiclesTYPE: string.
- **Latitude:** the latitude of the position where the gate is placed (EPSG 4326). TYPE: numeric.
- **Longitude:** the longitude of the position where the gate is placed (EPSG 4326). TYPE: numeric.

Vehicle Dataset:

- **Plate:** the encrypted plate of the vehicle. TYPE: string
- **European emission standard category:** the European emission standard ([http://en.wikipedia.org/wiki/European\\_emission\\_standards](http://en.wikipedia.org/wiki/European_emission_standards)) category of the vehicle. It can have on of the following values:
  - 0: not available
  - from 1 to 7: from *Euro 0* to *Euro 6*TYPE: numeric
- **Vehicle type:** the type of the vehicle. It can have one of the following values:
  - 0: not available
  - 2: bus
  - 3: freight transport
  - 4: people transport
  - 1: otherTYPE: numeric
- **Fuel type:** the kind of fuel used by the vehicle. It can have one of the following values:
  - 0: not available
  - 1: petrol
  - 2: diesel
  - 3: electric
  - 4: LPG/natural gas
  - 5: HybridTYPE: numeric
- **DPF:** the avaialblty of a diesel particulate filter. It can have one of the following values:
  - 0: missing information
  - 1: diesel particulate filter available
  - 2: diesel particulate filter not availableTYPE: numeric
- **Length:** the length of the vehcile expressed in millimeters. A value 0 will represent the case in which the length of the corresponding vehicle is not available. TYPE: numeric.

Transit dataset:

- **Timestamp:** the day and the time of the transit. TYPE: YYYY-MM-DD hh24:mi:ss.
- **Plate:** the encrypted plate of the vehicle peforming the transit. TYPE: string
- **Gate:** the id of the gate where the transit took place. TYPE: numeric

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