

## Lab 2 Vehicle data

This data comes from the Government Data (Data.Gov). It contains information about traffic violation from Washington, D.C during in 2013-2016 (August). The electronic traffic violations collected by location county. This data has 803,060 objects in total, and each object represents an individual violation, which includes 13 attributes, such as vehicle events (described below), vehicle information and traffic location and so on. The data would analysis the possible reason or some other related factors of violations, which could be time, location, driver or vehicle. These data distinguished by comma-delimited, then used excel to display the files, and exported as a csv file. Some details for traffic violation information as follow.

### Attributes Definition:

**Date of Stop (date):** Date of traffic violation

**Time of Stop:** Time of traffic violation

**Description (char):** the reason of traffic violation, record by officer

**Location (char):** traffic location, including street number

**Vehicle type (char):** type of violation vehicle, distinguish automobile, truck or other type vehicle

**Year (float):** Production year of violation vehicle, record on vehicle title file

**Make (char):** Make of violation vehicle, the make company on vehicle title file

**Model (char):** Model of violation vehicle

**Color (char):** Color of violation vehicle

**Violation type (char):** the violation type defined by officer

**Race (char):** Race of driver

**Gender (char):** Gender of driver

**Prices (float):** Estimated price of vehicle