**VANET Datasets**

**Name of dataset:** VeReMi

**URL:** https://veremi-dataset.github.io/

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| **Description** | Dataset for misbehavior detection mechanism for VANETs |
| **Information type** | Message logs per vehicle (GPS data about vehicle, BSM messages) |
| **Number of Vehicles** | * Low density (35-39 vehicles) * Medium density (97-108 vehicles) * High density (491-519 vehicles) |
| **Size of dataset** | * 225 individual simulations * 5 different attackers, 3 different attacker densities, 3 different traffic densities, and 5 repetitions for each parameter set |
| **Metrics** | * true/false positive * true/false negative |

**Name of dataset:** DSCR

**URL:** https://github.com/IhabMoha/datasets-for-VANET

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| **Description** | Provides data regarding wireless communications between vehicles and road side units. |
| **Information type** | Communications were setup based on IEEE 802.11p standards at 5.9Ghz. 10BSM (Basic Service messages) per second. Using Control Channel (Ch172) a 10 MHz channel. Also Attached a clean version in spreadsheets for each dataset (jammed and normal) |
| **Number of Vehicles** | * 32 neighboring cars * 64 neighboring cars * 128 neighboring cars * Bologna city In Italy simulation * Erlangen city in Germany simulation |  |
| **Size of dataset** | two separate data sets are provided (normal scenario) and in the presence of attacker (jammer) |
| **Metrics** | * Txnid Transmitted node ID number * Rxnid- Received Node Id number * RSS- Received Signal Strength in dbm  BER- Packet Error Rate * RSSI- Received Signal Strength Indicator * SNR- Signal to noise ratio |

**Name of dataset:** 5 Datasets for VANET

**URL:** https://veremi-dataset.github.io/

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| **Description** | Some datasets are generated based on simulations of real cities while others are generated based on specific parameters. |
| **Information type** | All datasets contain traces for VANET and each dataset contains a number of requests sent from different cars (senders) to one car (receiver) requesting a specific data transmission rate with a specific severity. |
| **Number of Vehicles** | * Low density (35-39 vehicles) * Medium density (97-108 vehicles) * High density (491-519 vehicles) |
| **Size of dataset** |  |
| **Metrics** | * Start time: time in seconds when the request arrives. * End time: time in seconds when the request is done. * Time Period: end time - start time * Packets: number of packets required by this request. * Rate: number of packets divided by time period, packets per second * Sender Stopping Distance: in meters. * Receiver Stopping Distance: in meters. * Actual Distance: distance in meters between sender and receiver. * Severity: severity of the request. |

**Name of dataset:** i-VANET

**URL:** https://www.bits-pilani.ac.in/pilani/ProjectiVANETs/DatasetforVehicularCommunication

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| **Description** | result of  measurement study performed for  IEEE 802.11p vehicular communications |
| **Information type** | Vehicle-to-Vehicle messages; while transmitting Basic Safety Messages (BSM).  Transmission power and position of the vehicles while transmitting every such packet. |
| **Number of Vehicles** |  |
| **Size of dataset** | 585 KB |
| **Metrics** | * Latency * Received Signal Strength Indicator |