|  |  |
| --- | --- |
| **Metro Interstate Traffic Volume Data Set**  *Download*: [Data Folder](https://archive.ics.uci.edu/ml/machine-learning-databases/00492/), [Data Set Description](https://archive.ics.uci.edu/ml/datasets/Metro+Interstate+Traffic+Volume)  **Abstract**: Hourly Minneapolis-St Paul, MN traffic volume for westbound I-94. Includes weather and holiday features from 2012-2018. |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Set Characteristics:** | Multivariate, Sequential, Time-Series | **Number of Instances:** | 48204 | **Area:** | N/A |
| **Attribute Characteristics:** | Integer, Real | **Number of Attributes:** | 9 | **Date Donated** | 2019-05-07 |
| **Associated Tasks:** | Regression | **Missing Values?** | N/A | **Number of Web Hits:** | 21228 |

**Source:**

John Hogue, john.d.hogue **'@'** live.com, Social Data Science & General Mills

**Data Set Information:**

Hourly Interstate 94 Westbound traffic volume for MN DoT ATR station 301, roughly midway between Minneapolis and St Paul, MN. Hourly weather features and holidays included for impacts on traffic volume.

**Attribute Information:**

holiday Categorical US National holidays plus regional holiday, Minnesota State Fair   
temp Numeric Average temp in kelvin   
rain\_1h Numeric Amount in mm of rain that occurred in the hour   
snow\_1h Numeric Amount in mm of snow that occurred in the hour   
clouds\_all Numeric Percentage of cloud cover   
weather\_main Categorical Short textual description of the current weather   
weather\_description Categorical Longer textual description of the current weather   
date\_time DateTime Hour of the data collected in local CST time   
traffic\_volume Numeric Hourly I-94 ATR 301 reported westbound traffic volume

**Relevant Papers:**

Talk on anomaly detection.   
[[Web Link]](https://github.com/dreyco676/Anomaly_Detection_A_to_Z/blob/master/Anomaly%20Detection%20A%20to%20Z.pptx)

**Citation Request:**

Traffic data from MN Department of Transportation   
Weather data from OpenWeatherMap