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We are planning to create a data model which predicts the traffic volume on the ‘Interstate 94’ highway. **Interstate 94** (**I-94**) is an east–west Interstate Highway connecting the Great Lakes and northern Great Plains regions of the United States. This data was taken from a station located between Minneapolis and Saint Paul, the direction is westbound. The dataset contains the data regarding the weather and traffic on the highway collected on several timings of the day.

**Characteristics of the dataset:**

No. of attributes – 9

Attribute Characteristics -Integer, Real

No. of instances – 48204

**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