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***Description of the forecasting problem and data***

Weather data for the city of Szeged in Hungary, from 2006 to 2016, is available. This forecasting problem deals with predicting the **Temperature** value given the values of 6 parameters which are **Humidity, Apparent Temperature, Wind speed, Wind Bearing, Visibility and Pressure** on that day.

Y = Temperature

X = Humidity, Apparent temperature, Wind speed, Wind Bearing, Visibility and Pressure

Where X represents all the independent variables/attributes, also known as predictor variables. Based on the values of X, we will predict the values of Y which is our variable of interest.

Description of available data:

|  |  |  |
| --- | --- | --- |
| **Column name** | **Type** | **Description** |
| Formatted Date | DateTime | Date and Time of the day |
| Summary | String | Short Summary of the day |
| Precip type | String | Type of precipitation |
| Temperature | Numeric | Actual Temperature |
| Apparent Temperature | Numeric | Temperature perceived by humans |
| Humidity | Numeric | Value of humidity |
| Wind Speed | Numeric | Speed of Wind |
| Wind Bearing | Numeric | Direction of the Wind |
| Visibility | Numeric | Distance at which an object or light can be clearly discerned |
| Loud Cover | Numeric | Total cover |
| Pressure | Numeric | Value of atmospheric pressure |
| Daily Summary | String | Overall summary for the day |