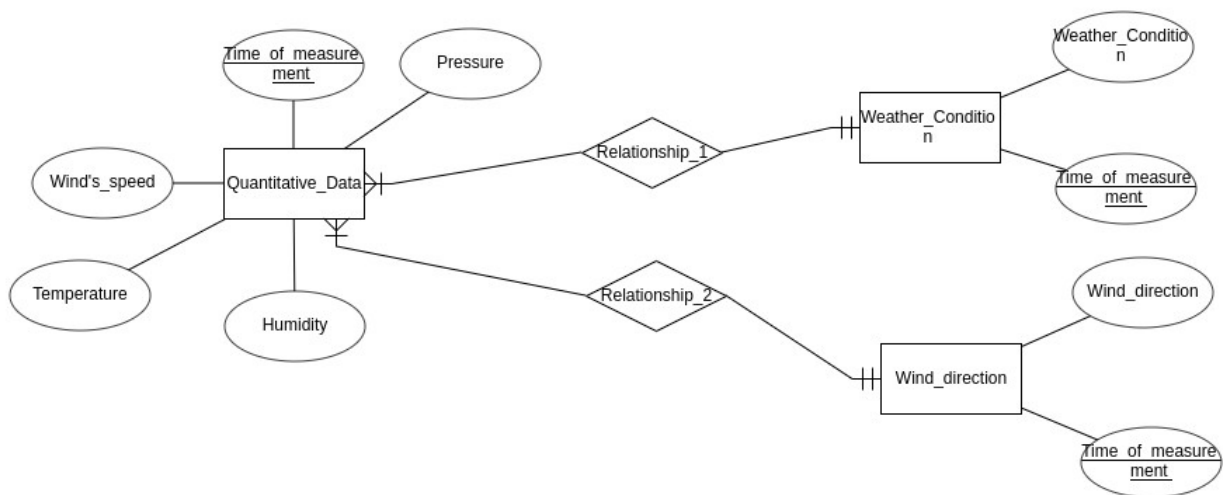


ERD:



Here, we have entity **Quantitative Data**, and its attributes are: **Wind's_speed**, **Temperature**, **Humidity** and **Pressure** (Here, the identifier is **Time_of_measurement**).

Also, for Qualitative Data we have entities **Weather_Condition** and **Wind_direction**. The attribute of **Weather_Condition** is **Weather_Condition** and its identifier is **Time_of_measurement**. The attribute of **Wind_direction** is **Wind_direction** and its identifier is **Time_of_measurement**.

Relationship definition sentences:

a) Relationship between **Quantitative Data** and **Weather_Condition**:

- 1) For specific Weather Condition, the parameters such as Humidity, Temperature, Wind's speed and Pressure can take different values.
- 2) For specific values of parameters such as Humidity, Temperature, Wind's speed and Pressure there is only one Weather Condition.

b) Relationship between **Quantitative Data** and **Wind_direction**:

- 1) Wind direction depends on such parameters as Humidity, Temperature, Wind's speed and Pressure.
- 2) For specific values of Humidity, Temperature, Wind's speed and Pressure there is only one Wind direction.

Relational Schema:

