

Wind Energy Data Quality Report

Overview of Data Quality Dimensions

- 1. ****Volledigheid (Completeness)****: Checks for missing values in the dataset.
- 2. ****Uniciteit (Uniqueness)****: Identifies duplicate rows in the dataset.
- 3. ****Actualiteit (Timeliness)****: Verifies if the data is up-to-date and within the correct date range.
- 4. ****Validiteit (Validity)****: Checks if the data conforms to predefined valid values for classification, granularity, and activity.
- 5. ****Nauwkeurigheid (Accuracy)****: Assumes high accuracy if no obvious data errors are found.
- 6. ****Consistentie (Consistency)****: Ensures temporal consistency between `validfrom` and `validto`.

Data Dimension	Check Result
Volledigheid (Completeness)	0 missing values
Uniciteit (Uniqueness)	0 duplicate rows
Actualiteit (Timeliness)	1 outdated rows
Validiteit (Validity)	Invalid classifications: 0, Invalid granularities: 0, Invalid activities: 0
Nauwkeurigheid (Accuracy)	Not applicable (accuracy cannot be verified without external reference data)
Consistentie (Consistency)	0 rows with invalid validto > validfrom