Table 8. Detailed quality criteria for each dataset

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dataset | Number of  features | Number of instances | Categories | Description |
| Breastcancer | 9 | 6 | 2 | Clinical data for breast cancer diagnosis |
| BreastEW | 30 | 569 | 2 | Extended dataset for breast cancer screening |
| HeartEW | 13 | 270 | 2 | Clinical data for patients with heart disease |
| IonosphereEW | 34 | 351 | 2 | Data related to ionosphere structure |
| Lymphography | 18 | 148 | 4 | Diagnostic data for lymphatic diseases |
| SpectEW | 22 | 267 | 2 | Data from Single Photon Emission Computed Tomography for heart disease patients |
| Parkinson’s Disease | 754 | 756 | 2 | Biomarker data for Parkinson’s disease patients and healthy controls |