TABLE 4 display KG\_Dataset for all participants after cleaning and deleting some redundant and irrelevant data. Moreover, each participant has two recorded values the first one displayed in table 5 during the experiment when each participant working on building a model using blocks, and the other one illustrated in table 6 which was recorded in natural state without any action or intervention, thus the comparison will be conducted depending on those two values.

**TABLE 4** KG-STD dataset after cleaning

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hr\_avg | hrv\_avg | pressure\_avg | attention\_avg | relaxation\_avg | Class |
| 107 | 15.2 | 61.3 | 52.6 | 63.7 | Relaxed |
| 93 | 18.6 | 35.2 | 70.8 | 44.6 | focused |
| 98 | 16 | 26.1 | 80.2 | 35.5 | focused |
| 108 | 12.1 | 69 | 62.5 | 52.8 | focused |
| 106 | 13.5 | 60.9 | 60.5 | 53.5 | focused |
| 88 | 17.4 | 44.4 | 65 | 50.3 | focused |
| 96 | 57.4 | 31.3 | 65.2 | 53 | focused |
| 94 | 11.6 | 61.7 | 73.2 | 41.7 | focused |
| 99 | 29.5 | 33.4 | 73.1 | 42.6 | focused |
| 116 | 15.4 | 65.3 | 78 | 41.8 | focused |
| 113 | 14.4 | 59.4 | 64.7 | 46.5 | focused |
| 103 | 18 | 61.1 | 76.5 | 34 | focused |
| 110 | 17.4 | 54.1 | 70.2 | 45.9 | focused |
| 79 | 23.2 | 35.6 | 78.2 | 35.3 | focused |
| 105 | 29.5 | 43.8 | 40.4 | 64.2 | Relaxed |
| 91 | 21.3 | 35.7 | 76.9 | 37.2 | focused |
| 109 | 13.4 | 63.3 | 70.7 | 48.3 | focused |
| 90 | 24.5 | 30.4 | 72.4 | 42.4 | focused |
| 97 | 26.8 | 39.3 | 65.3 | 50.9 | focused |

**Table 5** KG-STD dataset as a raw data during the experiment

**Graphical user interface, application, table, Excel

Description automatically generated**

**Table 6** KG-STD dataset as a raw data in natural stat without any intervention **Graphical user interface, application, table, Excel

Description automatically generated**