Supplementary 1 shows an example of the applied approach with fictive sample dataset to demonstrate the worst and the best scenarios. In the case of the worst scenario, the minimum value of HptA1 (when clinical outcome = 0) and the maximum value of HptA1 (when clinical outcome = 1) is used to calculate statistics. In the best scenario, the maximum value of HptA1 (when clinical outcome = 0) and the minimum value of HptA1 (when clinical outcome = 1) is analyzed.

Sample dataset

|  |  |  |  |
| --- | --- | --- | --- |
| Sample | Patient | HptA1 | clinical outcome |
| 1\_1 | 1 | 78.934 | 0 |
| 1\_2 | 1 | 84.231 | 0 |
| 1\_3 | 1 | 75.901 | 0 |
| 2\_1 | 2 | 57.958 | 1 |
| 2\_2 | 2 | 61.635 | 1 |
| 3 | 3 | 60.093 | 1 |
| 4 | 4 | 73.739 | 0 |

Worst case: the minimum value of HptA1 (when clinical outcome = 0) and the maximum value of HptA1 (when clinical outcome = 1)

|  |  |  |  |
| --- | --- | --- | --- |
| Sample | Patient | HptA1 | clinical outcome |
| 1\_3 | 1 | 75.901 | 0 |
| 2\_2 | 2 | 61.635 | 1 |
| 3 | 3 | 60.093 | 1 |
| 4 | 4 | 73.739 | 0 |

Best case: the maximum value of HptA1 (when clinical outcome = 0) and the minimum value of HptA1 (when clinical outcome = 1)

|  |  |  |  |
| --- | --- | --- | --- |
| Sample | Patient | HptA1 | clinical outcome |
| 1\_2 | 1 | 84.231 | 0 |
| 2\_1 | 2 | 57.958 | 1 |
| 3 | 3 | 60.093 | 1 |
| 4 | 4 | 73.739 | 0 |