Table S1 Difference of textural features between benign (B) and malignant(M) groups with *P* value smaller than 7.4e-5

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variables | Groups | Mean | SD | Median | Q1 | Q3 | Statistic | *P* |
| A-1\_5\_MEAN | B | 10.71  | 1.26  | 10.89  | 10.36  | 11.41  | -6.707  | <1.0e-5  |
|  | M | 10.57  | 1.16  | 10.74  | 10.20  | 11.23  |  |  |
| A-1\_2\_Standard\_Deviation | B | 7.21  | 0.43  | 7.28  | 7.17  | 7.36  | -4.132  | 3.6e-5 |
|  | M | 7.24  | 0.39  | 7.30  | 7.20  | 7.37  |  |  |
| A-1\_3\_Standard\_Deviation | B | 6.91  | 0.45  | 7.00  | 6.80  | 7.13  | -7.416  | <1.0e-5  |
|  | M | 6.98  | 0.35  | 7.05  | 6.89  | 7.16  |  |  |
| A-1\_5\_Standard\_Deviation | B | 6.20  | 0.52  | 6.26  | 5.83  | 6.61  | -7.503  | <1.0e-5 |
|  | M | 6.32  | 0.47  | 6.42  | 5.97  | 6.67  |  |  |
| A-2\_1\_Standard\_Deviation | B | 6.87  | 0.79  | 7.09  | 6.72  | 7.33  | -5.202  | <1.0e-5 |
|  | M | 6.96  | 0.73  | 7.15  | 6.82  | 7.38  |  |  |
| A-2\_5\_Standard\_Deviation | B | 6.58  | 0.43  | 6.56  | 6.29  | 6.91  | -4.403  | 1.1e-5  |
|  | M | 6.64  | 0.41  | 6.61  | 6.34  | 6.96  |  |  |
| A-3\_1\_Standard\_Deviation | B | 6.97  | 0.80  | 7.18  | 6.88  | 7.38  | -4.080  | 4.5e-5  |
|  | M | 7.02  | 0.80  | 7.22  | 6.96  | 7.42  |  |  |
| A-3\_2\_Standard\_Deviation | B | 7.24  | 0.28  | 7.28  | 7.18  | 7.36  | -5.152  | <1.0e-5  |
|  | M | 7.26  | 0.30  | 7.30  | 7.21  | 7.37  |  |  |
| A-3\_3\_Standard\_Deviation | B | 7.08  | 0.34  | 7.13  | 7.01  | 7.23  | -4.434  | <1.0e-5  |
|  | M | 7.11  | 0.26  | 7.15  | 7.03  | 7.25  |  |  |
| A-3\_4\_Standard\_Deviation | B | 7.15  | 0.28  | 7.19  | 7.07  | 7.27  | -5.063  | <1.0e-5 |
|  | M | 7.18  | 0.20  | 7.21  | 7.11  | 7.28  |  |  |
| A-3\_6\_Standard\_Deviation | B | 6.81  | 0.40  | 6.84  | 6.56  | 7.12  | -4.072  | 4.7e-5 |
|  | M | 6.86  | 0.37  | 6.90  | 6.60  | 7.16  |  |  |
| A-5\_5\_Standard\_Deviation | B | 6.58  | 0.39  | 6.62  | 6.37  | 6.85  | -4.191  | 2.8e-5  |
|  | M | 6.63  | 0.34  | 6.65  | 6.43  | 6.87  |  |  |
| A-6\_2\_Standard\_Deviation | B | 7.24  | 0.31  | 7.28  | 7.19  | 7.36  | -3.521  | 4.3e-5  |
|  | M | 7.24  | 0.40  | 7.30  | 7.20  | 7.37  |  |  |
| A-8\_4\_Standard\_Deviation | B | 6.98  | 0.27  | 7.04  | 6.87  | 7.15  | -5.049  | <1.0e-5 |
|  | M | 7.02  | 0.32  | 7.06  | 6.94  | 7.16  |  |  |
| A-8\_6\_Standard\_Deviation | B | 6.26  | 0.44  | 6.28  | 5.95  | 6.59  | -6.088  | <1.0e-5  |
|  | M | 6.34  | 0.38  | 6.38  | 6.07  | 6.62  |  |  |
| A-1\_5\_Cluster\_tendency | B | 21.16  | 2.53  | 21.45  | 20.30  | 22.63  | -7.155  | <1.0e-5  |
|  | M | 20.84  | 2.30  | 21.09  | 19.95  | 22.21  |  |  |
| A-5\_5\_Cluster\_tendency | B | 20.93  | 2.20  | 21.09  | 19.98  | 22.13  | -4.105  | 4.4e-5  |
|  | M | 20.67  | 2.15  | 20.89  | 19.88  | 21.84  |  |  |
| A-8\_6\_Cluster\_tendency | B | 21.07  | 2.59  | 21.40  | 20.38  | 22.48  | -4.081  | 4.5e-5 |
|  | M | 20.96  | 2.20  | 21.27  | 20.32  | 22.12  |  |  |
| A-6\_6\_Homogeneity | B | 0.68  | 0.10  | 0.66  | 0.61  | 0.73  | -4.058  | 5.0e-5  |
|  | M | 0.67  | 0.10  | 0.65  | 0.60  | 0.72  |  |  |
| A-5\_3\_Maximum\_probability | B | 0.37  | 0.06  | 0.36  | 0.33  | 0.40  | -4.847  | <1.0e-5 |
|  | M | 0.36  | 0.05  | 0.36  | 0.32  | 0.39  |  |  |
| A-5\_4\_Maximum\_probability | B | 0.35  | 0.07  | 0.34  | 0.31  | 0.38  | -4.894  | <1.0e-5  |
|  | M | 0.34  | 0.06  | 0.33  | 0.30  | 0.37  |  |  |
| A-6\_4\_Maximum\_probability | B | 0.41  | 0.09  | 0.39  | 0.35  | 0.47  | -5.036  | <1.0e-5  |
|  | M | 0.40  | 0.09  | 0.38  | 0.34  | 0.45  |  |  |
| A-6\_6\_Maximum\_probability | B | 0.37  | 0.10  | 0.36  | 0.30  | 0.42  | -4.557  | <1.0e-5  |
|  | M | 0.36  | 0.10  | 0.35  | 0.29  | 0.40  |  |  |
| A-7\_3\_Maximum\_probability | B | 0.42  | 0.07  | 0.42  | 0.37  | 0.46  | -5.216  | <1.0e-5  |
|  | M | 0.41  | 0.07  | 0.41  | 0.37  | 0.45  |  |  |
| A-6\_6\_Energy | B | 0.20  | 0.10  | 0.17  | 0.13  | 0.25  | -4.265  | 2.0e-5  |
|  | M | 0.19  | 0.10  | 0.16  | 0.12  | 0.23  |  |  |
| A-3\_5\_Inertia | B | 32.70  | 6.58  | 33.72  | 30.47  | 36.61  | -4.852  | <1.0e-5  |
|  | M | 33.40  | 6.81  | 34.57  | 30.83  | 37.65  |  |  |
| A-5\_5\_Inertia | B | 38.07  | 5.24  | 38.26  | 34.89  | 41.46  | -4.816  | <1.0e-5  |
|  | M | 38.83  | 5.03  | 38.83  | 35.77  | 41.93  |  |  |
| A-5\_6\_Inertia | B | 38.81  | 5.42  | 38.99  | 35.74  | 42.23  | -4.938  | <1.0e-5 |
|  | M | 39.58  | 4.72  | 39.69  | 36.89  | 42.48  |  |  |
| A-6\_6\_Inertia | B | 32.42  | 7.30  | 33.70  | 28.95  | 37.18  | -5.029  | <1.0e-5 |
|  | M | 33.35  | 7.00  | 34.64  | 30.52  | 37.82  |  |  |
| A-7\_5\_Inertia | B | 32.03  | 6.77  | 32.50  | 28.23  | 36.45  | -4.995  | <1.0e-5  |
|  | M | 33.03  | 6.66  | 33.43  | 29.18  | 37.49  |  |  |
| A-7\_6\_Inertia | B | 32.62  | 8.50  | 34.82  | 29.44  | 38.24  | -5.892  | <1.0e-5  |
|  | M | 33.91  | 8.15  | 35.88  | 31.32  | 39.10  |  |  |
| A-8\_6\_Inertia | B | 36.94  | 5.26  | 37.18  | 34.52  | 40.03  | -4.665  | <1.0e-5 |
|  | M | 37.73  | 4.67  | 37.87  | 35.08  | 40.48  |  |  |
| A-6\_6\_Inverse\_Difference\_Moment | B | 0.65  | 0.11  | 0.63  | 0.58  | 0.71  | -4.070  | 4.7e-5 |
|  | M | 0.64  | 0.11  | 0.62  | 0.56  | 0.70  |  |  |
| A-1\_3\_Entropy | B | 1.09  | 0.25  | 1.07  | 0.91  | 1.25  | -4.071  | 4.7e-5 |
|  | M | 1.06  | 0.22  | 1.04  | 0.91  | 1.21  |  |  |
| A-6\_6\_Entropy | B | 1.03  | 0.28  | 1.11  | 0.92  | 1.23  | -4.000  | 6.3e-5 |
|  | M | 1.06  | 0.28  | 1.14  | 0.95  | 1.25  |  |  |
| A-1\_5\_Correlation | B | 0.51  | 0.11  | 0.52  | 0.45  | 0.58  | -4.725  | <1.0e-5 |
|  | M | 0.52  | 0.10  | 0.53  | 0.46  | 0.59  |  |  |
| A-1\_5\_Sum-mean | B | 19.17  | 2.53  | 19.46  | 18.31  | 20.64  | -7.155  | <1.0e-5 |
|  | M | 18.84  | 2.30  | 19.10  | 17.96  | 20.22  |  |  |
| A-5\_5\_Sum-mean | B | 18.94  | 2.20  | 19.09  | 17.98  | 20.14  | -4.105  | 4.0e-5  |
|  | M | 18.68  | 2.15  | 18.90  | 17.89  | 19.85  |  |  |
| A-8\_6\_Sum-mean | B | 19.08  | 2.59  | 19.41  | 18.39  | 20.49  | -4.081  | 4.5e-5 |
|  | M | 18.97  | 2.20  | 19.27  | 18.32  | 20.13  |  |  |
| A-6\_6\_Difference-mean | B | 2.88  | 0.72  | 3.06  | 2.59  | 3.37  | -5.047  | <1.0e-5 |
|  | M | 2.97  | 0.72  | 3.13  | 2.71  | 3.44  |  |  |
| A-7\_5\_Difference-mean | B | 2.71  | 0.62  | 2.76  | 2.36  | 3.12  | -4.099  | 4.1e-5 |
|  | M | 2.79  | 0.62  | 2.83  | 2.42  | 3.21  |  |  |
| A-7\_6\_Difference-mean | B | 2.94  | 0.87  | 3.19  | 2.63  | 3.52  | -4.234  | 2.3e-5 |
|  | M | 3.04  | 0.84  | 3.26  | 2.77  | 3.60  |  |  |
| A-1\_3\_Sum-Entropy | B | 3.00  | 0.34  | 3.01  | 2.82  | 3.21  | -4.287  | 1.8e-5 |
|  | M | 2.97  | 0.30  | 2.98  | 2.78  | 3.17  |  |  |

Abbreviation: B, Benign cases; M, Malignant cases.