|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Count of diabetes | Column Labels | |  |  | J33JI3:J64 |  |  |
| Row Labels | healthy | sick | (blank) | Grand Total | sensitivity+I4:J64 | specificity | |
| 19 | 2 | 0 |  | 2 | 1 | 1 |  |
| 25 | 1 | 0 |  | 1 | 0.997063 | 1 |  |
| 28 | 1 | 0 |  | 1 | 0.995595 | 1 |  |
| 32 | 0 | 1 |  | 1 | 0.994126 | 1 |  |
| 35 | 3 | 1 |  | 4 | 0.994126 | 0.997984 |  |
| 37 | 4 | 0 |  | 4 | 0.989721 | 0.995968 |  |
| 38 | 3 | 0 |  | 3 | 0.983847 | 0.995968 |  |
| 39 | 2 | 0 |  | 2 | 0.979442 | 0.995968 |  |
| 40 | 2 | 0 |  | 2 | 0.976505 | 0.995968 |  |
| 41 | 2 | 1 |  | 3 | 0.973568 | 0.995968 |  |
| 42 | 2 | 2 |  | 4 | 0.970631 | 0.993952 |  |
| 43 | 4 | 0 |  | 4 | 0.967695 | 0.989919 |  |
| 44 | 2 | 2 |  | 4 | 0.961821 | 0.989919 |  |
| 45 | 4 | 2 |  | 6 | 0.958884 | 0.985887 |  |
| 46 | 3 | 3 |  | 6 | 0.95301 | 0.981855 |  |
| 47 | 3 | 4 |  | 7 | 0.948605 | 0.975806 |  |
| 48 | 4 | 7 |  | 11 | 0.9442 | 0.967742 |  |
| 49 | 1 | 1 |  | 2 | 0.938326 | 0.953629 |  |
| 50 | 4 | 2 |  | 6 | 0.936858 | 0.951613 |  |
| 51 | 5 | 3 |  | 8 | 0.930984 | 0.947581 |  |
| 52 | 6 | 3 |  | 9 | 0.923642 | 0.941532 |  |
| 53 | 2 | 14 |  | 16 | 0.914831 | 0.935484 |  |
| 54 | 1 | 7 |  | 8 | 0.911894 | 0.907258 |  |
| 55 | 9 | 6 |  | 15 | 0.910426 | 0.893145 |  |
| 56 | 6 | 10 |  | 16 | 0.89721 | 0.881048 |  |
| 57 | 5 | 5 |  | 10 | 0.888399 | 0.860887 |  |
| 58 | 6 | 7 |  | 13 | 0.881057 | 0.850806 |  |
| 59 | 2 | 6 |  | 8 | 0.872247 | 0.836694 |  |
| 60 | 7 | 8 |  | 15 | 0.86931 | 0.824597 |  |
| 61 | 7 | 8 |  | 15 | 0.859031 | 0.808468 |  |
| 62 | 12 | 7 |  | 19 | 0.848752 | 0.792339 |  |
| 63 | 13 | 13 |  | 26 | 0.831131 | 0.778226 |  |
| 64 | 11 | 15 |  | 26 | 0.812041 | 0.752016 |  |
| 65 | 12 | 9 |  | 21 | 0.795888 | 0.721774 |  |
| 66 | 17 | 11 |  | 28 | 0.778267 | 0.703629 |  |
| 67 | 9 | 13 |  | 22 | 0.753304 | 0.681452 |  |
| 68 | 12 | 11 |  | 23 | 0.740088 | 0.655242 |  |
| 69 | 14 | 11 |  | 25 | 0.722467 | 0.633065 |  |
| 70 | 12 | 7 |  | 19 | 0.701909 | 0.610887 |  |
| 71 | 12 | 10 |  | 22 | 0.684288 | 0.596774 |  |
| 72 | 15 | 15 |  | 30 | 0.666667 | 0.576613 |  |
| 73 | 9 | 9 |  | 18 | 0.64464 | 0.546371 |  |
| 74 | 7 | 11 |  | 18 | 0.631424 | 0.528226 |  |
| 75 | 20 | 12 |  | 32 | 0.621145 | 0.506048 |  |
| 76 | 17 | 10 |  | 27 | 0.591777 | 0.481855 |  |
| 77 | 19 | 13 |  | 32 | 0.566814 | 0.461694 |  |
| 78 | 21 | 18 |  | 39 | 0.538913 | 0.435484 |  |
| 79 | 20 | 15 |  | 35 | 0.508076 | 0.399194 |  |
| 80 | 23 | 17 |  | 40 | 0.478708 | 0.368952 |  |
| 81 | 24 | 19 |  | 43 | 0.444934 | 0.334677 |  |
| 82 | 21 | 13 |  | 34 | 0.409692 | 0.296371 |  |
| 83 | 19 | 21 |  | 40 | 0.378855 | 0.270161 |  |
| 84 | 30 | 18 |  | 48 | 0.350954 | 0.227823 |  |
| 85 | 25 | 13 |  | 38 | 0.306902 | 0.191532 |  |
| 86 | 23 | 9 |  | 32 | 0.270191 | 0.165323 |  |
| 87 | 22 | 11 |  | 33 | 0.236417 | 0.147177 |  |
| 88 | 18 | 9 |  | 27 | 0.204112 | 0.125 |  |
| 89 | 100 | 41 |  | 141 | 0.17768 | 0.106855 |  |
| 90 | 4 | 2 |  | 6 | 0.030837 | 0.024194 |  |
| 91 | 3 | 2 |  | 5 | 0.024963 | 0.020161 |  |
| 92 | 3 | 2 |  | 5 | 0.020558 | 0.016129 |  |
| 93 | 5 | 0 |  | 5 | 0.016153 | 0.012097 |  |
| 94 | 0 | 2 |  | 2 | 0.008811 | 0.012097 |  |
| 95 | 1 | 0 |  | 1 | 0.008811 | 0.008065 |  |
| 96 | 3 | 2 |  | 5 | 0.007342 | 0.008065 |  |
| 97 | 2 | 0 |  | 2 | 0.002937 | 0.004032 |  |
| 98 | 0 | 1 |  | 1 | 0 | 0.004032 |  |
| 99 | 0 | 1 |  | 1 | 0 | 0.002016 |  |
| (blank) | 0 | 0 |  |  | 0 | 0 |  |
| Grand Total | 681 | 496 |  | 1177 |  |  |  |

According to the curve, the CUTOFF age is 50 where if older than cut off there is high chance of diabetes thus go for check up and start exercising.