|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sex | Model | Learning rate | | Tree complexity | Bag fraction | Number of trees | Training AUC | AUC | Cross validation score (SE) |
|  | Model 1 | | 0.1 | 3 | 0.7 | 1400 | 0.9830 | 0.9927 | 0,15 (0.001) |
|  | Model 2 | | 0.1 | 2 | 0.7 | 1950 | 0.9815 | 0.9895 | 0,16 (0.001) |
|  | Model 3 | | 0.05 | 3 | 0.7 | 3200 | 0.9834 | 0.9933 | 0,14 (0.001) |
|  | Model 4 | | 0.05 | 2 | 0.7 | 3450 | 0.9818 | 0.9891 | 0,16 (0.0007) |
|  | Model 5 | | 0.01 | 3 | 0.7 | 6150 | 0.9822 | 0.9884 | 0,15 (0.0009) |
| Males | Model 6 | | 0.01 | 2 | 0.7 | 6300 | 0.9807 | 0.9846 | 0,16 (0.001) |
|  | Model 7 | | 0.005 | 3 | 0.7 | 6800 | 0.9821 | 0.986 | 0,16 (0.0006) |
|  | Model 8 | | 0.005 | 2 | 0.7 | 7650 | 0.9796 | 0.9825 | 0,16 (0.001) |
|  | Model 9 | | 0.001 | 3 | 0.7 | >10000 | 0.9799 | 0.9815 | 0,17 (0.001) |
|  | Model 10 | | 0.001 | 2 | 0.7 | >10000 | 0.9764 | 0.9774 | 0,18 (0.001) |
|  | Model 11 | | 0.0005 | 3 | 0.7 | >10000 | 0.9785 | 0.9794 | 0,18 (0.001) |
|  | Model 12 | | 0.0005 | 2 | 0.7 | >10000 | 0.9754 | 0.9761 | 0,19 (0.002) |
|  | Model 13 | | 0.0001 | 3 | 0.7 | >10000 | 0.9687 | 0.9692 | 0,25 (0.002) |
|  | Model 14 | | 0.0001 | 2 | 0.7 | >10000 | 0.9680 | 0.9688 | 0,27 (0.001) |
|  | Model 1 | | 0.1 | 3 | 0.7 | 1150 | 0.9434 | 0.9701 | 0,18 (0.003) |
|  | Model 2 | | 0.1 | 2 | 0.7 | 1550 | 0.9386 | 0.961 | 0,19 (0.004) |
|  | Model 3 | | 0.05 | 3 | 0.7 | 2050 | 0.9430 | 0.9697 | 0,17 (0.003) |
|  | Model 4 | | 0.05 | 2 | 0.7 | 2550 | 0.9382 | 0.9591 | 0,19 (0.004) |
|  | Model 5 | | 0.01 | 3 | 0.7 | 5550 | 0.9423 | 0.9607 | 0,18 (0.003) |
|  | Model 6 | | 0.01 | 2 | 0.7 | 5700 | 0.9363 | 0.9498 | 0,19 (0.002) |
| Females | Model 7 | | 0.005 | 3 | 0.7 | 8150 | 0.9417 | 0.9567 | 0,18 (0.003) |
|  | Model 8 | | 0.005 | 2 | 0.7 | 8100 | 0.9361 | 0.9458 | 0,19 (0.002) |
|  | Model 9 | | 0.001 | 3 | 0.7 | >10000 | 0.9371 | 0.9421 | 0,19 (0.002) |
|  | Model 10 | | 0.001 | 2 | 0.7 | 9700 | 0.9284 | 0.9323 | 0,20 (0.003) |
|  | Model 11 | | 0.0005 | 3 | 0.7 | >10000 | 0.9327 | 0.9365 | 0,20 (0.003) |
|  | Model 12 | | 0.0005 | 2 | 0.7 | >10000 | 0.9232 | 0.9263 | 0,20 (0.003) |
|  | Model 13 | | 0.0001 | 3 | 0.7 | >10000 | 0.9157 | 0.9163 | 0,22 (0.004) |
|  | Model 14 | | 0.0001 | 2 | 0.7 | >10000 | 0.9124 | 0.9124 | 0,23 (0.004) |