Features for gender seperation

1. age
2. state
3. rural
4. year of birth
5. injury treatment type
6. illness type
7. symptoms pertaining illness
8. diagnosed for
9. regular treatment source
10. drinking water source
11. is water filter
12. water filteration
13. toilet used
14. is toilet shared
15. cooking fuel
16. is refrigerator
17. is bicycle
18. is scooter
19. is car
20. is tractor
21. is water pump
22. cart
23. healthscheme 1
24. weight

Male

[6.29736231e-04 8.74647126e-03 1.35903121e-03 1.89120323e-05
 4.60005032e-05 7.98296223e-01 2.92984268e-04 1.84847947e-02
 2.44164769e-03 3.05077678e-04 1.70767773e-05 3.43117494e-05
 1.42642291e-03 1.11785737e-04 2.26691401e-03 2.32507050e-03
 8.73808616e-04 1.29139083e-02 1.31083192e-02 7.29377992e-05
 1.35937293e-01 8.39212535e-05 2.07351184e-04]
Accuracy :
0.9988867303418194
Imp features: cart, illness type

Female

[5.48556565e-04 1.57646324e-02 1.88838423e-03 1.96482684e-05
 2.45967766e-04 4.22536808e-01 5.21095083e-04 3.70100404e-02
 3.18544481e-04 1.08940308e-03 3.33555805e-05 7.37014325e-05
 3.21549708e-02 1.23999102e-04 1.01117461e-03 6.78772237e-04
 1.94050829e-03 1.49770557e-02 5.18704266e-02 2.04154832e-04
 4.16496725e-01 1.46073425e-04 3.46002334e-04]
Accuracy :
0.9972271578441112
Imp features: illness type, cart

Features for State separation

1. age
2. sex
3. rural
4. year of birth
5. injury treatment type
6. illness type
7. symptoms pertaining illness
8. diagnosed for
9. regular treatment source
10. drinking water source
11. is water filter
12. water filteration
13. toilet used
14. is toilet shared
15. cooking fuel
16. is refrigerator
17. is bicycle
18. is scooter
19. is car
20. is tractor
21. is water pump
22. cart
23. health scheme
24. weight

Uttarakhand

[1.87588177e-02 6.33399678e-02 2.55994179e-03 9.67315737e-06
 2.11390603e-05 1.83043406e-02 2.22979085e-04 5.93135043e-05
 7.03551390e-05 4.03346429e-05 1.43505914e-05 6.57523435e-05
 2.87553767e-04 2.16944492e-04 2.50165953e-05 6.96685131e-05
 3.57258404e-05 3.14299664e-04 7.72429348e-01 1.22426967e-01
 2.00534805e-04 7.78231974e-05 4.49152640e-04]
Accuracy :
0.9987652213650772
Imp feature: water pump, tractor

Rajasthan

[2.57146334e-03 4.79042950e-02 1.15340677e-03 1.11908815e-05
 1.52898925e-05 2.19466229e-01 1.09286878e-04 4.90505081e-05
 1.17794169e-04 1.58703672e-02 2.71222213e-02 3.04492121e-05
 3.75286736e-04 5.32617218e-05 1.88061292e-03 4.58903025e-05
 3.57931061e-05 8.35802228e-02 4.49214833e-04 2.59793110e-04
 5.98495601e-01 5.93525049e-06 3.97344280e-04]
Accuracy :
0.9986169019961063
Imp feature: illness type, cart

UP

[1.68081005e-03 2.31020465e-02 1.74354100e-03 5.08184188e-05
 7.92803624e-05 5.96556858e-01 7.26119609e-04 1.14757745e-01
 8.20085216e-04 7.67752892e-03 5.21630460e-06 4.47186751e-05
 4.73390323e-05 1.64872564e-04 2.02455057e-04 1.08284038e-04
 7.86059313e-05 7.06783713e-03 1.09785863e-02 1.64810980e-04
 2.33343374e-01 3.51772481e-05 5.63889107e-04]
Accuracy :
0.9978238375410654
Imp feature: illness type, diagnosed for, cart

Bihar

[6.26859487e-03 1.03191655e-02 1.50830217e-03 4.17974810e-06
 3.48401510e-05 2.34605671e-01 4.03178274e-04 2.02711620e-02
 2.21644037e-03 3.17604872e-02 7.46849818e-06 1.93527055e-05
 1.86244781e-05 2.00212831e-02 7.45197196e-04 3.06638591e-03
 7.94613118e-05 1.32845177e-02 8.49309890e-04 4.55191180e-04
 6.53657252e-01 2.35574632e-04 1.68359847e-04]

Accuracy :
0.9988499186769236
Imp feature: illness type, cart

Assam

[1.45122827e-02 3.33851659e-02 5.34586107e-03 1.22951789e-05
 3.21293510e-05 1.40220744e-02 2.73423335e-04 9.75097169e-05
 9.84734821e-05 3.49969638e-05 3.95884884e-05 6.11941275e-05
 4.15762095e-05 4.71434486e-05 1.88414025e-02 9.50435188e-05
 2.65472253e-02 3.13268970e-03 3.99191934e-01 6.07504718e-05
 4.83902357e-01 2.78874097e-05 1.96996111e-04]
Accuracy :
0.9990163087601344
Imp feature: cart, tractor

Jharkhand

[8.20051329e-03 1.43691847e-02 1.38435450e-02 6.84951848e-06
 2.25590198e-05 1.05111768e-01 1.84443379e-04 4.68495235e-04
 7.05482174e-05 4.56402782e-04 1.90585157e-05 2.25949702e-05
 2.05024474e-05 6.28903318e-05 3.91605406e-03 6.04193292e-05
 1.26740659e-02 1.28713281e-02 1.02831494e-01 1.06818330e-04
 7.24332504e-01 3.85352334e-05 3.09425361e-04]
Accuracy :
0.9987593512076378
Imp feature: cart, tractor, illness type

Orissa

[1.19684629e-03 3.40637831e-02 1.00383701e-03 1.26559390e-05
 1.62500317e-05 5.38595792e-02 2.35513926e-04 1.44419036e-04
 1.07252959e-04 1.87719406e-05 1.47227221e-05 1.79161326e-05
 8.04436421e-06 2.93369748e-05 4.02500077e-05 4.06735541e-05
 2.62541404e-05 2.90300442e-02 1.22153944e-02 6.01997910e-05
 8.67671920e-01 8.85915146e-05 9.77424394e-05]
Accuracy :
0.9991454333975555
Imp feature: cart

Chhattisgarh

[5.41961280e-03 6.59487537e-03 3.82597502e-04 7.87693405e-06
 3.76539717e-05 7.99996819e-02 2.06714702e-04 8.09412128e-05
 5.55616366e-05 1.16248749e-04 1.04308540e-04 3.62666607e-05
 3.43137159e-05 3.20883341e-04 1.89496221e-03 3.34114881e-05

3.77979445e-05 6.25969871e-02 4.07396169e-01 6.29934747e-02
 3.71326487e-01 1.53371894e-04 1.69801337e-04]
Accuracy :
0.998812641569674
Imp feature: cart, tractor

MP
[1.64517099e-02 4.38678081e-02 9.97925043e-04 1.06120919e-05
 3.18357946e-05 1.98044512e-01 2.30523346e-04 5.63069656e-04
 9.79962013e-05 1.52832479e-03 3.25553592e-03 5.18054910e-05
 5.65818631e-05 9.39584938e-05 1.89337031e-02 2.31175624e-02
 1.03524910e-04 2.20736667e-01 5.74425329e-02 2.85919514e-02
 3.85385873e-01 2.07070109e-04 1.98916893e-04]
Accuracy :
0.996698244150955
Imp feature: cart, illness type