| variable | washpoNdgBNm\_randomForestNode | washpoDgBNm\_randomForestNode | washpoNdgBNm\_randomForestAcc | washpoDgBNm\_randomForestAcc | washpoNdgBNm\_xgboost | washpoDgBNm\_xgboost |
| --- | --- | --- | --- | --- | --- | --- |
| age | 96.0915237 | 38.964102871 | 24.9450510 | 9.20106917 | 0.5477119385 | 0.3064253197 |
| signs\_of\_mental\_illness.FALSE | 15.8385431 | 8.806087307 | 9.6783919 | 5.55936757 | 0.0761339202 | 0.0598695528 |
| flee.Foot | 15.5229723 | 10.690235713 | 8.7948987 | 7.76446363 | 0.0562429074 | 0.0352737417 |
| armedNew.gun | 4.2029598 | 0.790135056 | 4.4017292 | 1.61709893 | 0.0325929537 | 0.0238295155 |
| state.LA |  | 2.570837755 |  | 5.91108550 |  | 0.0232132573 |
| body\_camera.FALSE | 4.7633959 | 3.564267398 | 5.1225648 | 3.99094285 | 0.0377753987 | 0.0220632250 |
| state.FL |  | 1.240178542 |  | 3.32497027 |  | 0.0217434245 |
| state.IL |  | 4.080396999 |  | 7.67009885 |  | 0.0216983331 |
| armedNew.knife | 5.1964003 | 0.983530093 | 6.7463603 | 2.97786504 | 0.0338987958 | 0.0209682276 |
| state.MD |  | 3.572807516 |  | 7.55040313 |  | 0.0203477768 |
| state.NY |  | 2.137449338 |  | 4.88280466 |  | 0.0175323190 |
| state.CO |  | 1.389258707 |  | 2.50136768 |  | 0.0156164435 |
| threat\_level.attack | 2.3269239 | 0.616565294 | -0.6090256 | -0.35643421 | 0.0241804805 | 0.0148847745 |
| flee.Not.fleeing | 3.7291913 | 4.610056614 | 4.1582890 | 4.16863597 | 0.0287499262 | 0.0147342637 |
| state.GA |  | 1.049409874 |  | 1.13299521 |  | 0.0142428504 |
| state.VA |  | 0.894754494 |  | 1.58040051 |  | 0.0141980241 |
| threat\_level.other | 1.9084705 | 0.457393865 | 1.5791404 | -0.60228067 | 0.0194713691 | 0.0141360850 |
| year.2018 |  | 0.486987152 |  | -0.92683573 |  | 0.0112583898 |
| year.2019 |  | 0.806062228 |  | -0.38989540 |  | 0.0111517199 |
| signs\_of\_mental\_illness.TRUE | 14.0664524 | 10.914505104 | 9.4130749 | 6.10628453 | 0.0437566039 | 0.0106663498 |
| state.NJ |  | 0.976107138 |  | 2.80493541 |  | 0.0101930297 |
| state.MO |  | 0.637469736 |  | 1.22272307 |  | 0.0094163028 |
| month.8 |  | 0.450646236 |  | 0.39863104 |  | 0.0089007725 |
| state.CA |  | 0.567171176 |  | 0.69378998 |  | 0.0087763362 |
| state.PA |  | 0.696223605 |  | 1.43460975 |  | 0.0084046553 |
| body\_camera.TRUE | 5.3248045 | 2.562797184 | 5.2613996 | 4.51212352 | 0.0152803128 | 0.0083820260 |
| year.2016 |  | 0.421971663 |  | -0.85966111 |  | 0.0081796838 |
| month.2 |  | 0.572682242 |  | -1.79747197 |  | 0.0079719972 |
| state.AZ |  | 1.243934942 |  | 1.87492712 |  | 0.0078283647 |
| flee.Car | 2.1134190 | 0.975771518 | 2.7830716 | 1.89322667 | 0.0169114141 | 0.0077614248 |
| state.UT |  | 0.951221462 |  | 3.18051732 |  | 0.0077298413 |
| year.2015 |  | 0.381040711 |  | -0.12024008 |  | 0.0075405472 |
| state.OR |  | 1.581292735 |  | 2.04002374 |  | 0.0074507663 |
| year.2020 |  | 0.490693509 |  | -0.82682271 |  | 0.0069334263 |
| armedNew.unarmed | 2.4397176 | 0.913636756 | 0.8957274 | -0.34604030 | 0.0152518590 | 0.0067859812 |
| month.9 |  | 0.299778394 |  | -2.53396853 |  | 0.0066899425 |
| year.2017 |  | 0.587696841 |  | 2.54025780 |  | 0.0066170304 |
| state.TX |  | 0.292972695 |  | -0.93537995 |  | 0.0064204049 |
| month.4 |  | 0.448908811 |  | -1.53689301 |  | 0.0063494203 |
| state.OK |  | 0.662704366 |  | 0.11217783 |  | 0.0063269127 |
| day.27 |  | 0.365073050 |  | -0.68483416 |  | 0.0062258076 |
| day.12 |  | 0.609754962 |  | 1.47941010 |  | 0.0061703392 |
| gender.F | 2.0944567 | 0.982787116 | 3.0036302 | 1.96751174 | 0.0067622077 | 0.0059967272 |
| day.6 |  | 0.565285957 |  | 0.52833913 |  | 0.0057192809 |
| armedNew.other | 3.5888567 | 0.850175785 | 3.7645843 | 0.46317988 | 0.0116864949 | 0.0055090649 |
| month.1 |  | 0.693615865 |  | -1.84276200 |  | 0.0051174598 |
| armedNew.toy.weapon | 1.5937013 | 0.772608913 | -1.5312455 | -0.64379381 | 0.0047550970 | 0.0048572530 |
| month.3 |  | 0.447514673 |  | -1.18722817 |  | 0.0047579919 |
| manner\_of\_death.shot | 2.3570080 | 0.609357799 | -0.2372477 | 0.85560703 | 0.0072769283 | 0.0047379752 |
| day.26 |  | 0.398692536 |  | -1.35076338 |  | 0.0044071641 |
| month.12 |  | 0.317110307 |  | 1.37209120 |  | 0.0042988803 |
| month.11 |  | 0.510292242 |  | -0.95061477 |  | 0.0042434440 |
| state.OH |  | 0.408867638 |  | 0.84142888 |  | 0.0041645509 |
| state.KS |  | 0.568034811 |  | 0.60586599 |  | 0.0039661333 |
| day.21 |  | 0.287075562 |  | -0.89676381 |  | 0.0037866221 |
| month.10 |  | 0.448129049 |  | 1.00546090 |  | 0.0036471419 |
| state.MS |  | 0.372289949 |  | -0.86242336 |  | 0.0035546515 |
| state.KY |  | 0.474240982 |  | 1.09409330 |  | 0.0035436307 |
| state.WI |  | 0.675507219 |  | -0.26880009 |  | 0.0032688441 |
| day.17 |  | 0.363367569 |  | -0.14384856 |  | 0.0031814027 |
| day.1 |  | 0.268498540 |  | -0.71255830 |  | 0.0030639109 |
| month.6 |  | 0.441651860 |  | -1.13494676 |  | 0.0029378936 |
| day.25 |  | 0.747536606 |  | 1.38236664 |  | 0.0028874945 |
| day.24 |  | 0.220182292 |  | -1.44287754 |  | 0.0026575211 |
| day.20 |  | 0.401770742 |  | -1.14032575 |  | 0.0026313302 |
| day.19 |  | 0.382611877 |  | -0.11667990 |  | 0.0025396690 |
| state.AL |  | 0.149231611 |  | 0.89428405 |  | 0.0025353644 |
| month.7 |  | 0.394151300 |  | -2.55677324 |  | 0.0024943663 |
| state.MI |  | 0.283738399 |  | -1.64044556 |  | 0.0022440615 |
| day.5 |  | 0.179605164 |  | -0.01004334 |  | 0.0020852122 |
| day.28 |  | 0.423273963 |  | 1.19747707 |  | 0.0019896716 |
| day.3 |  | 0.287593017 |  | -1.55509751 |  | 0.0019852116 |
| threat\_level.undetermined | 3.0438462 | 0.871434066 | 3.0466967 | 3.23542566 | 0.0065911880 | 0.0019003321 |
| gender.M | 2.1757611 | 1.079693194 | 3.6389011 | 0.29122268 | 0.0039203406 | 0.0018610727 |
| state.NC |  | 0.238574792 |  | -1.37910679 |  | 0.0017651750 |
| day.9 |  | 0.341017014 |  | -0.49707787 |  | 0.0017185959 |
| day.10 |  | 0.337613550 |  | -0.07541478 |  | 0.0016426970 |
| state.MN |  | 0.313867138 |  | 1.60727506 |  | 0.0016391006 |
| day.22 |  | 0.479523217 |  | -1.10526645 |  | 0.0015728098 |
| state.TN |  | 0.391575072 |  | 0.08088214 |  | 0.0015356509 |
| state.ID |  | 0.907017803 |  | 2.68924249 |  | 0.0014739364 |
| day.29 |  | 0.298692668 |  | -1.37305800 |  | 0.0014006582 |
| day.8 |  | 0.263361765 |  | -1.36262046 |  | 0.0013823806 |
| day.15 |  | 0.533538071 |  | 2.06196562 |  | 0.0012906108 |
| day.2 |  | 0.228474142 |  | -1.17366802 |  | 0.0011875437 |
| flee.Other | 1.0619799 | 0.313315699 | 1.1982802 | -1.18732433 | 0.0027728631 | 0.0011711104 |
| month.5 |  | 0.436909873 |  | -1.52441957 |  | 0.0011304040 |
| manner\_of\_death.shot.and.Tasered | 2.1139147 | 0.747340975 | 0.1711738 | 1.50997738 | 0.0041659894 | 0.0010759116 |
| day.23 |  | 0.392532143 |  | -0.37019724 |  | 0.0010361840 |
| armedNew.vehicle | 0.8538330 | 0.117684749 | 0.5808128 | 1.49778591 | 0.0018042608 | 0.0010343088 |
| day.4 |  | 0.291987396 |  | -1.51930920 |  | 0.0008600641 |
| day.14 |  | 0.259216931 |  | -0.96404228 |  | 0.0007018034 |
| state.IN |  | 0.132032253 |  | -0.78623001 |  | 0.0005749577 |
| day.7 |  | 0.180134939 |  | 0.36544658 |  | 0.0005479294 |
| state.WA |  | 0.538650129 |  | -0.14533609 |  | 0.0004756240 |
| day.18 |  | 0.312704886 |  | -1.06802578 |  | 0.0004000205 |
| armedNew.undetermined | 0.9654238 | 0.132009311 | 1.3504534 | 0.81431577 | 0.0018287540 | 0.0003221421 |
| state.NV |  | 0.126564839 |  | -1.74512244 |  | 0.0003018081 |
| year.2021 |  | 0.372544977 |  | 1.19250328 |  | 0.0002786363 |
| state.DC |  | 1.651753053 |  | 4.57831331 |  | 0.0000000000 |
| state.AK |  | 0.366936633 |  | 2.12533881 |  | 0.0000000000 |
| state.MT |  | 0.457429992 |  | 2.08579378 |  | 0.0000000000 |
| state.CT |  | 0.251250271 |  | 1.45032385 |  | 0.0000000000 |
| state.ND |  | 0.083899420 |  | 1.42130734 |  | 0.0000000000 |
| day.30 |  | 0.480670267 |  | 1.35053314 |  | 0.0000000000 |
| state.NH |  | 0.090437009 |  | 1.34787707 |  | 0.0000000000 |
| state.NM |  | 0.252485510 |  | 1.33472279 |  | 0.0000000000 |
| state.MA |  | 0.101761428 |  | 1.12085480 |  | 0.0000000000 |
| state.ME |  | 0.076086086 |  | 1.00250941 |  | 0.0000000000 |
| state.NE |  | 0.020857516 |  | 1.00250941 |  | 0.0000000000 |
| state.AR |  | 0.148537129 |  | 1.00149155 |  | 0.0000000000 |
| state.DE |  | 0.418323136 |  | 0.69397736 |  | 0.0000000000 |
| armedNew.unknown.weapon | 0.4688685 | 0.107532654 | -1.6981266 | 0.53027529 | 0.0004779963 | 0.0000000000 |
| day.13 |  | 0.410527853 |  | -0.54514257 |  | 0.0000000000 |
| day.11 |  | 0.307765748 |  | -1.48393942 |  | 0.0000000000 |
| day.16 |  | 0.260913589 |  | -0.66069741 |  | 0.0000000000 |
| day.31 |  | 0.247567331 |  | -1.19947699 |  | 0.0000000000 |
| state.SC |  | 0.228901401 |  | -1.11955679 |  | 0.0000000000 |
| state.WV |  | 0.226527848 |  | -2.30339798 |  | 0.0000000000 |
| state.IA |  | 0.102208538 |  | -1.01715205 |  | 0.0000000000 |
| state.SD |  | 0.072020218 |  | 0.01211793 |  | 0.0000000000 |
| state.WY |  | 0.014797858 |  | 0.00000000 |  | 0.0000000000 |
| state.VT |  | 0.008728058 |  | 0.00000000 |  | 0.0000000000 |
| state.HI |  | 0.000000000 |  | 0.00000000 |  | 0.0000000000 |
| state.RI |  | 0.000000000 |  | 0.00000000 |  | 0.0000000000 |