| variable | fatalBNm\_randomForestNode | fatalBNm\_randomForestAcc | fatalBNm\_xgboost |
| --- | --- | --- | --- |
| SubjectAge.U | 14.67970762 | 7.1932192239 | 0.176256236 |
| fixedNrOfficers | 6.16453190 | 5.9639507979 | 0.090471499 |
| departmentFixed.New.York.Police.Department | 6.12691938 | 8.3214411770 | 0.063151037 |
| departmentFixed.Chicago.Police.Department | 6.56391761 | 5.2765273736 | 0.062275831 |
| departmentFixed.Albuquerque.Police.Department | 2.63510606 | 6.5924814001 | 0.046117694 |
| SubjectArmed.U | 6.34137628 | 6.0091485331 | 0.032279866 |
| departmentFixed.Houston.Police.Department | 1.32391150 | -1.4896716835 | 0.027160671 |
| SubjectRace.B | 5.97207389 | 5.2625307640 | 0.026086962 |
| SubjectAge.50.59 | 2.49037261 | 6.1315158544 | 0.025293084 |
| officerRaceW | 2.90575018 | 4.3784134760 | 0.025074151 |
| departmentFixed.Baltimore.Police.Department | 0.57883215 | -1.6170153068 | 0.022213200 |
| officerGenderM | 4.46896913 | 5.0029108324 | 0.019946221 |
| SubjectAge.60. | 1.70946138 | 4.6573575785 | 0.018618795 |
| officerRaceU | 4.71820679 | 6.0719067513 | 0.018608050 |
| departmentFixed.Denver.Police.Department | 0.53866060 | -0.8670527542 | 0.016544787 |
| officerRaceB | 2.17939111 | 3.0796284880 | 0.016140334 |
| SubjectGender.M | 4.33593857 | 5.4737195153 | 0.016025868 |
| SubjectRace.W | 5.12941002 | 5.0691272508 | 0.014848036 |
| departmentFixed.St..Louis.Metro.Police.Department | 1.17225459 | 4.7094146556 | 0.013439085 |
| officerGenderF | 0.46821252 | 1.3763654272 | 0.012463234 |
| SubjectAge.30.39 | 2.02529710 | 4.2092744199 | 0.012262077 |
| day.13 | 0.38812176 | 2.0149700030 | 0.011475340 |
| day.4 | 0.85192746 | 1.9673833791 | 0.011051918 |
| day.19 | 0.37747161 | -1.2365595598 | 0.010853419 |
| month.8 | 0.45405494 | -1.5734542703 | 0.010486734 |
| SubjectGender.U | 3.11796922 | 5.0382513423 | 0.010323540 |
| day.15 | 0.42659534 | -1.6436399037 | 0.009477212 |
| year.2012 | 0.51522335 | 2.0768919615 | 0.008363980 |
| departmentFixed.Austin.Police.Department | 0.95941753 | 4.0941736493 | 0.008273604 |
| day.6 | 0.16029709 | -1.4182509261 | 0.007971547 |
| day.25 | 0.34819850 | -1.5709220049 | 0.007873292 |
| situation.suspicious | 0.77675638 | 0.9174560239 | 0.007469004 |
| departmentFixed.San.Antonio.Police.Department | 0.48414097 | 2.0259885677 | 0.007439541 |
| day.18 | 0.29054100 | 0.4915515556 | 0.006871612 |
| month.9 | 0.56670395 | -2.0701782367 | 0.006374491 |
| officerGenderU | 2.16931178 | 3.7526201211 | 0.005813343 |
| SubjectArmed.N | 1.32065586 | 2.7651616040 | 0.005525227 |
| departmentFixed.Dallas.Police.Department | 0.19170096 | 0.0008455917 | 0.005356393 |
| day.14 | 0.37023382 | -0.2763827582 | 0.005321168 |
| day.3 | 0.19119443 | -0.4457237174 | 0.005219507 |
| departmentFixed.Los.Angeles.Police.Department | 0.30139183 | 1.3707860066 | 0.005188270 |
| month.3 | 0.41295579 | 0.3285706360 | 0.004426532 |
| year.2016 | 0.67630004 | 1.6567490741 | 0.004212409 |
| departmentFixed.Las.Vegas.Metropolitan.Police.Department | 0.04477537 | -1.3972915407 | 0.004198655 |
| day.26 | 0.24023656 | -1.6398161322 | 0.004024224 |
| year.2014 | 0.24667189 | -1.5131063882 | 0.003631115 |
| day.24 | 0.50216610 | -0.0391031273 | 0.003510098 |
| situation.domesticViolence | 0.17464928 | 0.1852804653 | 0.003404741 |
| departmentFixed.City.of.Miami.Police.Department | 0.18082171 | -1.2263699313 | 0.003348074 |
| day.10 | 0.67302418 | -0.7819205237 | 0.003246916 |
| departmentFixed.Miami.Dade.Police.Department | 0.47472887 | 1.6453793769 | 0.003214758 |
| year.2010 | 0.50504264 | 0.0205211275 | 0.003179388 |
| departmentFixed.Indianapolis.Metro.Police.Department | 0.32544683 | -0.3405279359 | 0.003138855 |
| day.27 | 0.40680089 | -0.1581224884 | 0.003023449 |
| month.10 | 0.42551073 | 0.1943673717 | 0.003011532 |
| situation.drugs | 0.21483418 | 0.6588347075 | 0.002972593 |
| month.5 | 0.65228851 | -0.2753754525 | 0.002961375 |
| day.8 | 0.66258986 | -1.2873860731 | 0.002672450 |
| month.11 | 0.47246130 | 0.3441962233 | 0.002667845 |
| day.29 | 0.29033343 | 0.5637350845 | 0.002627527 |
| departmentFixed.Memphis.Police.Department | 0.47391461 | 1.1703530076 | 0.002541758 |
| officerRaceL | 1.13116713 | 1.9992378454 | 0.002503107 |
| departmentFixed.Jacksonville.Police.Department | 0.30044243 | 0.9637681799 | 0.002450483 |
| day.28 | 0.34435226 | 0.3422451089 | 0.002393840 |
| year.2011 | 0.61558642 | 1.2113658036 | 0.002281152 |
| day.31 | 0.24494524 | -0.7389033359 | 0.002258809 |
| SubjectGender.F | 0.25407755 | 0.1297702632 | 0.002203820 |
| situation.call | 0.17648921 | -2.2643998637 | 0.002085333 |
| day.11 | 0.66524903 | 0.7560567569 | 0.002068598 |
| day.23 | 0.38868795 | 0.0852429926 | 0.001963251 |
| departmentFixed.Metro.Nashville.Police.Department | 0.24137547 | -0.0403460377 | 0.001771452 |
| SubjectArmed.Y | 2.44434546 | 3.0918139887 | 0.000000000 |
| SubjectAge.0.19 | 0.64613346 | 3.0722070525 | 0.000000000 |
| situation.misc. | 1.37804039 | 2.6741704177 | 0.000000000 |
| situation.stolenvehicle | 0.26617260 | 2.5392437884 | 0.000000000 |
| SubjectAge.20.29 | 1.08330492 | 2.3394539846 | 0.000000000 |
| departmentFixed.Tucson.Police.Department | 0.61964950 | 1.5946728459 | 0.000000000 |
| departmentFixed.Seattle.Police.Department | 0.16929879 | 1.5226440675 | 0.000000000 |
| situation.offduty | 0.12760772 | 1.4303288175 | 0.000000000 |
| day.16 | 0.26786187 | 1.4240987989 | 0.000000000 |
| day.30 | 0.60647442 | 1.3947232284 | 0.000000000 |
| situation.mentalhealth | 0.35135833 | 1.1811681371 | 0.000000000 |
| departmentFixed.Fort.Worth.Police.Department | 0.11984730 | 1.1483656064 | 0.000000000 |
| situation.weapon | 0.34163456 | 1.0448327959 | 0.000000000 |
| month.2 | 0.32298469 | 0.9415580255 | 0.000000000 |
| departmentFixed.Milwaukee.Police.Department | 0.11852411 | 0.9092537863 | 0.000000000 |
| day.2 | 0.27148959 | 0.7838217047 | 0.000000000 |
| situation.robbery | 0.22298471 | 0.6537533314 | 0.000000000 |
| departmentFixed.Phoenix.Police.Department | 0.62342599 | 0.4108181796 | 0.000000000 |
| year.2015 | 0.51612453 | -1.5450252654 | 0.000000000 |
| departmentFixed.Columbus.Police.Department | 0.49211649 | -2.0042637204 | 0.000000000 |
| situation.suicide | 0.23645218 | 0.4691123890 | 0.000000000 |
| departmentFixed.Prince.George.s.County.Police.Department | 0.29993838 | 0.4684128955 | 0.000000000 |
| month.7 | 0.44604708 | -0.8395265071 | 0.000000000 |
| year.2013 | 0.40221748 | -0.0114271591 | 0.000000000 |
| month.4 | 0.36195163 | -0.5404931419 | 0.000000000 |
| officerRaceA | 0.32141580 | -0.6522137680 | 0.000000000 |
| SubjectAge.40.49 | 0.29608642 | -0.1786860568 | 0.000000000 |
| month.1 | 0.25060597 | 0.2938241444 | 0.000000000 |
| day.9 | 0.28050848 | -0.4748125834 | 0.000000000 |
| month.6 | 0.27112591 | -0.5791901961 | 0.000000000 |
| day.17 | 0.26409072 | -0.4780504708 | 0.000000000 |
| departmentFixed.San.Diego.Police.Department | 0.26061752 | -1.7232752345 | 0.000000000 |
| day.7 | 0.26051915 | -0.2842700337 | 0.000000000 |
| month.12 | 0.25497564 | -1.3964064795 | 0.000000000 |
| day.22 | 0.25171773 | -1.2948277592 | 0.000000000 |
| departmentFixed.Portland.Police.Bureau | 0.24072442 | 0.1299657326 | 0.000000000 |
| day.12 | 0.23824794 | -1.5013045112 | 0.000000000 |
| officerRaceO | 0.23474595 | -1.9019600593 | 0.000000000 |
| departmentFixed.Louisville.Metro.Police.Department | 0.21200332 | -0.5419742126 | 0.000000000 |
| departmentFixed.DeKalb.County.Police.Department | 0.19458576 | -1.1494434244 | 0.000000000 |
| day.20 | 0.19453159 | 0.1141805502 | 0.000000000 |
| day.1 | 0.19000475 | -0.9911341327 | 0.000000000 |
| day.21 | 0.18894648 | -1.1674922973 | 0.000000000 |
| day.5 | 0.18823930 | -1.3542037290 | 0.000000000 |
| situation.traffic | 0.16955742 | -0.1173210432 | 0.000000000 |
| departmentFixed.Kansas.City.Police.Department | 0.12477243 | 0.1647826332 | 0.000000000 |
| departmentFixed.New.Orleans.Police.Department | 0.15152577 | -1.5111172052 | 0.000000000 |
| situation.shooting | 0.14805087 | -0.3536831757 | 0.000000000 |
| situation.suspect | 0.14800254 | -1.1258061703 | 0.000000000 |
| departmentFixed.El.Paso.Police.Department | 0.14348623 | -0.2236900343 | 0.000000000 |
| departmentFixed.San.Jose.Police.Department | 0.10107567 | -2.1532116428 | 0.000000000 |
| situation.crime | 0.06762171 | -1.0025094142 | 0.000000000 |
| departmentFixed.Tampa.Police.Department | 0.06749911 | -0.3065614186 | 0.000000000 |
| departmentFixed.San.Francisco.Police.Department | 0.02670841 | 0.0000000000 | 0.000000000 |
| departmentFixed.Boston.Police.Department | 0.02337651 | 0.0000000000 | 0.000000000 |
| departmentFixed.Fairfax.County.Police.Department | 0.00000000 | 0.0000000000 | 0.000000000 |