| variable | viceDgBNm\_randomForestNode | viceNdgBNm\_randomForestNode | viceDgBNm\_randomForestAcc | viceNdgBNm\_randomForestAcc | viceNdgBNm\_xgboost | viceDgBNm\_xgboost |
| --- | --- | --- | --- | --- | --- | --- |
| departmentFixed.Chicago.Police.Department | 2 |  | 5 |  |  | 1 |
| departmentFixed.Phoenix.Police.Department | 1 |  | 1 |  |  | 2 |
| SubjectAge.U | 3 | 2 | 12 | 8 | 1 | 3 |
| SubjectGender.U | 5 | 7 | 26 | 14 | 11 | 4 |
| officerRaceW | 20 | 12 | 29 | 15 | 12 | 5 |
| SubjectArmed.U | 4 | 5 | 14 | 7 | 9 | 6 |
| officerGenderM | 26 | 17 | 45 | 28 | 17 | 7 |
| situation.call | 7 | 6 | 2 | 2 | 2 | 8 |
| fixedNrOfficers | 30 | 18 | 77 | 23 | 21 | 9 |
| Fatal.F | 12 | 3 | 48 | 11 | 13 | 10 |
| departmentFixed.Albuquerque.Police.Department | 15 |  | 4 |  |  | 11 |
| departmentFixed.Portland.Police.Bureau | 14 |  | 6 |  |  | 12 |
| SubjectArmed.N | 10 | 8 | 49 | 16 | 7 | 13 |
| SubjectGender.M | 11 | 14 | 20 | 9 | 6 | 14 |
| SubjectAge.40.49 | 17 | 10 | 15 | 5 | 16 | 15 |
| SubjectAge.50.59 | 16 | 4 | 8 | 1 | 3 | 16 |
| officerRaceB | 8 | 13 | 23 | 24 | 4 | 17 |
| situation.misc. | 6 | 1 | 7 | 3 | 5 | 18 |
| situation.suicide | 9 | 11 | 3 | 4 | 10 | 19 |
| SubjectAge.0.19 | 19 | 16 | 30 | 13 | 8 | 20 |
| departmentFixed.Tucson.Police.Department | 27 |  | 16 |  |  | 21 |
| SubjectAge.20.29 | 32 | 25 | 42 | 19 | 20 | 22 |
| Fatal.N | 13 | 9 | 27 | 12 | 14 | 23 |
| SubjectAge.60. | 18 | 15 | 9 | 6 | 15 | 24 |
| departmentFixed.Houston.Police.Department | 37 |  | 61 |  |  | 25 |
| year.2014 | 45 |  | 107 |  |  | 26 |
| departmentFixed.San.Diego.Police.Department | 25 |  | 11 |  |  | 27 |
| officerRaceL | 36 | 24 | 106 | 41 | 25 | 28 |
| departmentFixed.San.Jose.Police.Department | 29 |  | 17 |  |  | 29 |
| officerGenderU | 28 | 23 | 33 | 21 | 24 | 30 |
| SubjectAge.30.39 | 22 | 22 | 22 | 17 | 22 | 31 |
| officerRaceU | 21 | 20 | 25 | 18 | 23 | 32 |
| day.23 | 42 |  | 57 |  |  | 33 |
| departmentFixed.Austin.Police.Department | 33 |  | 19 |  |  | 34 |
| year.2012 | 46 |  | 37 |  |  | 35 |
| departmentFixed.El.Paso.Police.Department | 24 |  | 10 |  |  | 36 |
| departmentFixed.Kansas.City.Police.Department | 41 |  | 39 |  |  | 37 |
| SubjectArmed.Y | 34 | 21 | 40 | 22 | 19 | 38 |
| month.9 | 44 |  | 67 |  |  | 39 |
| day.11 | 40 |  | 43 |  |  | 40 |
| year.2016 | 47 |  | 93 |  |  | 41 |
| departmentFixed.San.Antonio.Police.Department | 57 |  | 28 |  |  | 42 |
| month.6 | 75 |  | 84 |  |  | 43 |
| year.2013 | 79 |  | 125 |  |  | 44 |
| month.12 | 59 |  | 120 |  |  | 45 |
| month.2 | 61 |  | 87 |  |  | 46 |
| SubjectGender.F | 38 | 19 | 21 | 10 | 18 | 47 |
| month.11 | 48 |  | 69 |  |  | 48 |
| year.2015 | 54 |  | 111 |  |  | 49 |
| situation.domesticViolence | 35 | 28 | 31 | 25 | 26 | 50 |
| Fatal.U | 64 | 33 | 88 | 35 | 28 | 51 |
| departmentFixed.Denver.Police.Department | 23 |  | 13 |  |  | 52 |
| departmentFixed.DeKalb.County.Police.Department | 39 |  | 47 |  |  | 53 |
| departmentFixed.Memphis.Police.Department | 55 |  | 34 |  |  | 54 |
| departmentFixed.Fort.Worth.Police.Department | 31 |  | 18 |  |  | 55 |
| departmentFixed.Dallas.Police.Department | 63 |  | 51 |  |  | 56 |
| month.3 | 93 |  | 98 |  |  | 57 |
| month.5 | 95 |  | 82 |  |  | 58 |
| departmentFixed.New.York.Police.Department | 92 |  | 117 |  |  | 59 |
| year.2011 | 49 |  | 35 |  |  | 60 |
| departmentFixed.Los.Angeles.Police.Department | 53 |  | 36 |  |  | 61 |
| day.26 | 78 |  | 50 |  |  | 62 |
| month.7 | 72 |  | 112 |  |  | 63 |
| month.8 | 91 |  | 124 |  |  | 64 |
| departmentFixed.Jacksonville.Police.Department | 67 |  | 65 |  |  | 65 |
| year.2010 | 68 |  | 102 |  |  | 66 |
| departmentFixed.Columbus.Police.Department | 71 |  | 121 |  |  | 67 |
| month.4 | 77 |  | 78 |  |  | 68 |
| month.10 | 70 |  | 99 |  |  | 69 |
| day.14 | 88 |  | 79 |  |  | 70 |
| day.22 | 80 |  | 62 |  |  | 71 |
| day.6 | 56 |  | 89 |  |  | 72 |
| day.12 | 106 |  | 100 |  |  | 73 |
| day.7 | 84 |  | 71 |  |  | 74 |
| day.20 | 62 |  | 122 |  |  | 75 |
| day.8 | 58 |  | 83 |  |  | 76 |
| day.1 | 83 |  | 110 |  |  | 77 |
| situation.crime | 60 | 29 | 81 | 20 | 31 | 78 |
| day.9 | 74 |  | 95 |  |  | 79 |
| day.17 | 94 |  | 64 |  |  | 80 |
| month.1 | 81 |  | 123 |  |  | 81 |
| departmentFixed.Las.Vegas.Metropolitan.Police.Department | 50 |  | 38 |  |  | 82 |
| departmentFixed.Miami.Dade.Police.Department | 76 |  | 52 |  |  | 83 |
| situation.weapon | 102 | 34 | 74 | 33 | 33 | 84 |
| departmentFixed.Indianapolis.Metro.Police.Department | 119 |  | 54 |  |  | 85 |
| situation.robbery | 87 | 31 | 127 | 36 | 34 | 86 |
| departmentFixed.New.Orleans.Police.Department | 43 |  | 24 |  |  | 87 |
| day.21 | 82 |  | 76 |  |  | 88 |
| day.5 | 101 |  | 70 |  |  | 89 |
| day.15 | 98 |  | 119 |  |  | 90 |
| day.28 | 85 |  | 104 |  |  | 91 |
| day.27 | 104 |  | 46 |  |  | 92 |
| day.24 | 103 |  | 113 |  |  | 93 |
| situation.suspect | 73 | 30 | 44 | 37 | 39 | 94 |
| departmentFixed.St..Louis.Metro.Police.Department | 105 |  | 80 |  |  | 95 |
| day.29 | 112 |  | 96 |  |  | 96 |
| departmentFixed.Seattle.Police.Department | 107 |  | 56 |  |  | 97 |
| day.10 | 115 |  | 105 |  |  | 98 |
| day.2 | 69 |  | 90 |  |  | 99 |
| departmentFixed.Milwaukee.Police.Department | 109 |  | 63 |  |  | 100 |
| departmentFixed.City.of.Miami.Police.Department | 125 |  | 72 |  |  | 101 |
| situation.traffic | 86 | 35 | 41 | 26 | 41 | 102 |
| situation.suspicious | 99 | 38 | 101 | 29 | 40 | 103 |
| officerRaceA | 97 | 32 | 53 | 32 | 32 | 104 |
| departmentFixed.Baltimore.Police.Department | 51 |  | 60 |  |  | 105 |
| day.30 | 100 |  | 58 |  |  | 106 |
| officerRaceO | 66 | 26 | 116 | 27 | 27 | 107 |
| day.16 | 108 |  | 55 |  |  | 108 |
| departmentFixed.Louisville.Metro.Police.Department | 121 |  | 126 |  |  | 109 |
| officerGenderF | 52 | 27 | 108 | 39 | 29 | 110 |
| day.25 | 96 |  | 86 |  |  | 111 |
| day.18 | 118 |  | 75 |  |  | 112 |
| departmentFixed.Metro.Nashville.Police.Department | 113 |  | 85 |  |  | 113 |
| day.13 | 117 |  | 128 |  |  | 114 |
| situation.drugs | 110 | 39 | 109 | 30 | 35 | 115 |
| day.4 | 116 |  | 66 |  |  | 116 |
| departmentFixed.Prince.George.s.County.Police.Department | 65 |  | 59 |  |  | 117 |
| day.3 | 114 |  | 103 |  |  | 118 |
| departmentFixed.Tampa.Police.Department | 90 |  | 32 |  |  | 119 |
| day.19 | 89 |  | 68 |  |  | 120 |
| day.31 | 122 |  | 114 |  |  | 121 |
| departmentFixed.Boston.Police.Department | 127 |  | 91 |  |  | 122 |
| departmentFixed.Fairfax.County.Police.Department | 128 |  | 92 |  |  | 123 |
| departmentFixed.San.Francisco.Police.Department | 126 |  | 118 |  |  | 124 |
| situation.mentalhealth | 111 | 37 | 94 | 31 | 36 | 125 |
| situation.offduty | 123 | 40 | 73 | 38 | 37 | 126 |
| situation.shooting | 120 | 36 | 97 | 34 | 30 | 127 |
| situation.stolenvehicle | 124 | 41 | 115 | 40 | 38 | 128 |