|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Theme** | **Variable** | **Description** | **Overall**, N = 10,9011 | **Destroyed**, N = 1,3021 | **Survived**, N = 9,5991 | **p-value**2 | **% Dev-**  **iance** | **Source** |
| **CON** | **build\_area** | **Building area (m2)** | 213 (97, 333) | 222 (120, 322) | 212 (93, 335) | 0.04 | 0.06 | DINS |
| **CON** | **build\_DECKPORCHO** | **On-grade deck/porch materials** |  |  |  | 0.2 | 0.47 | DINS |
|  |  | Composite | 7 (0.7%) | 5 (0.6%) | 2 (1.1%) |  |  |  |
|  |  | Masonry/Concrete | 379 (40%) | 319 (41%) | 60 (34%) |  |  |  |
|  |  | No Deck/Porch | 511 (54%) | 413 (53%) | 98 (56%) |  |  |  |
|  |  | Wood | 54 (5.7%) | 40 (5.1%) | 14 (8.0%) |  |  |  |
|  |  | Unknown | 9,950 | 525 | 9,425 |  |  |  |
| **CON** | **build\_EAVES** | **Eaves** |  |  |  | <0.001 | 5.36 | DINS |
|  |  | Enclosed | 110 (23%) | 51 (16%) | 59 (34%) |  |  |  |
|  |  | No Eaves | 190 (39%) | 149 (48%) | 41 (24%) |  |  |  |
|  |  | Unenclosed | 184 (38%) | 111 (36%) | 73 (42%) |  |  |  |
|  |  | Unknown | 10,417 | 991 | 9,426 |  |  |  |
| **CON** | **build\_EXTERIORSI** | **Exterior siding** |  |  |  | 0.2 | 0.16 | DINS |
|  |  | Combustible | 298 (27%) | 257 (27%) | 41 (23%) |  |  |  |
|  |  | Ignition Resistant | 822 (73%) | 684 (73%) | 138 (77%) |  |  |  |
|  |  | Unknown | 9,781 | 361 | 9,420 |  |  |  |
| **CON** | **build\_FENCEATTAC** | **Fence materials** |  |  |  | 0.003 | 1.12 | DINS |
|  |  | Combustible | 79 (7.6%) | 58 (6.7%) | 21 (12%) |  |  |  |
|  |  | No Fence | 755 (73%) | 644 (75%) | 111 (63%) |  |  |  |
|  |  | Non-Combustible | 202 (19%) | 158 (18%) | 44 (25%) |  |  |  |
|  |  | Unknown | 9,865 | 442 | 9,423 |  |  |  |
| **CON** | **build\_PATIOCOVER** | **Carport/covered patio materials** |  |  |  | 0.4 | 0.21 | DINS |
|  |  | Combustible | 178 (19%) | 147 (19%) | 31 (18%) |  |  |  |
|  |  | No Patio Cover/Carport | 655 (69%) | 540 (70%) | 115 (67%) |  |  |  |
|  |  | Non Combustible | 113 (12%) | 87 (11%) | 26 (15%) |  |  |  |
|  |  | Unknown | 9,955 | 528 | 9,427 |  |  |  |
| **CON** | **build\_ROOFCONSTR** | **Roof materials** |  |  |  | <0.001 | 2.17 | DINS |
|  |  | Asphalt | 432 (40%) | 369 (41%) | 63 (36%) |  |  |  |
|  |  | Concrete | 34 (3.2%) | 24 (2.7%) | 10 (5.8%) |  |  |  |
|  |  | Metal | 218 (20%) | 188 (21%) | 30 (17%) |  |  |  |
|  |  | Other | 18 (1.7%) | 10 (1.1%) | 8 (4.6%) |  |  |  |
|  |  | Tile | 347 (33%) | 285 (32%) | 62 (36%) |  |  |  |
|  |  | Wood | 18 (1.7%) | 18 (2.0%) | 0 (0%) |  |  |  |
|  |  | Unknown | 9,834 | 408 | 9,426 |  |  |  |
| **CON** | **build\_VENTSCREEN** | **Vent screen** |  |  |  | 0.4 | 0.53 | DINS |
|  |  | Mesh <= 3.2 mm (1/8") | 118 (28%) | 76 (29%) | 42 (27%) |  |  |  |
|  |  | Mesh > 3.2 mm (1/8") | 99 (24%) | 66 (25%) | 33 (21%) |  |  |  |
|  |  | No Vents | 179 (43%) | 110 (42%) | 69 (45%) |  |  |  |
|  |  | Unscreened | 21 (5.0%) | 10 (3.8%) | 11 (7.1%) |  |  |  |
|  |  | Unknown | 10,484 | 1,040 | 9,444 |  |  |  |
| **CON** | **build\_WINDOWPANE** | **Window pane** |  |  |  | <0.001 | 4.68 | DINS |
|  |  | Multi Pane | 249 (44%) | 143 (36%) | 106 (62%) |  |  |  |
|  |  | No Windows | 75 (13%) | 62 (16%) | 13 (7.6%) |  |  |  |
|  |  | Single Pane | 245 (43%) | 192 (48%) | 53 (31%) |  |  |  |
|  |  | Unknown | 10,332 | 905 | 9,427 |  |  |  |
| **CON** | **parcel\_year\_built** | **Year built** | 1981  (1970, 1991) | 1976  (1964, 1986) | 1983  (1971, 1991) | <0.001 | 0.01 | Parcel |
|  |  | Unknown | 1,001 | 111 | 890 |  |  |  |
| **DEF** | **build\_min\_dist\_shrub** | **Dist. to shrub (m)** | 55 (22, 125) | 40 (18, 91) | 58 (23, 128) | <0.001 | 0.5 | Land Cover |
| **DEF** | **build\_min\_dist\_tree** | **Dist. to tree (m)** | 0.23 (0.23, 0.23) | 0.23 (0.23, 0.23) | 0.23 (0.23, 0.23) | <0.001 | 0.38 | Land Cover |
| **DEF** | **build\_near\_build** | **Dist. nearest building (m)** | 5 (2, 12) | 9 (3, 20) | 5 (2, 11) | <0.001 | 0.51 | Land Cover |
| **DEF** | **build\_overhang\_ht** | **Av height of trees overhanging building (m)** | 4.1 (0.0, 6.8) | 4.8 (1.6, 7.4) | 4.0 (0.0, 6.6) | <0.001 | 0.56 | Land Cover |
|  |  | Unknown | 46 | 8 | 38 |  |  |  |
| **DEF** | **build\_PROPANETAN** | **Distance to propane tank** |  |  |  | 0.025 | 1.85 | DINS |
|  |  | 1. 0 3 m (10 ft) | 60 (7.1%) | 55 (7.5%) | 5 (4.6%) |  |  |  |
|  |  | 2. 3.1-6.1 m (11-20 ft) | 59 (7.0%) | 56 (7.6%) | 3 (2.8%) |  |  |  |
|  |  | 3. 6.2-9.1 m (21-30 ft) | 51 (6.0%) | 42 (5.7%) | 9 (8.3%) |  |  |  |
|  |  | 4. >9.1 m (>30 ft) | 113 (13%) | 105 (14%) | 8 (7.4%) |  |  |  |
|  |  | None | 560 (66%) | 477 (65%) | 83 (77%) |  |  |  |
|  |  | Unknown | 10,058 | 567 | 9,491 |  |  |  |
| **DEF** | **build\_VEGCLEARAN** | **Defensible space-vegetation clearance** |  |  |  | 0.011 | 0.96 | DINS |
|  |  | 1. 0-9.1 m (0-30 ft) | 1,014 (89%) | 888 (90%) | 126 (83%) |  |  |  |
|  |  | 2. 9.1-30.5 m (30-100 ft) | 103 (9.0%) | 79 (8.0%) | 24 (16%) |  |  |  |
|  |  | 3. > 30.5 m (100 ft) | 22 (1.9%) | 20 (2.0%) | 2 (1.3%) |  |  |  |
|  |  | Unknown | 9,762 | 315 | 9,447 |  |  |  |
| **DEF** | **parcel\_Build\_P** | **Parcel land cover - % buildings** | 13 (5, 26) | 7 (2, 13) | 14 (5, 28) | <0.001 | 6.97 | Land Cover |
| **EXP** | **build\_near\_dest** | **Dist. to destroyed building (m)** | 212 (55, 498) | 20 (6, 49) | 264 (88, 565) | <0.001 | 23.22 | derived from DINS |
| **LAND** | **build\_Mean\_builddens** | **Building density** | 1.42 (0.7, 2.3) | 0.96 (0.5, 1.71) | 1.48 (0.78, 2.3) | <0.001 | 2.24 | Syphard et al. (2017) |
|  |  | Unknown | 73 | 4 | 69 |  | 1.28 |  |
| **LAND** | **build\_Mean\_distroad** | **Distance to major road (m)** | 184 (67, 381) | 281 (144, 432) | 172 (62, 370) | <0.001 | 1.28 | Syphard et al. (2017) |
|  |  | Unknown | 73 | 4 | 69 |  | 3.62 |  |
| **LAND** | **build\_p\_grass\_300** | **Percent grass, 91.4 m (300 ft)** | 14 (9, 19) | 11 (6, 15) | 15 (9, 20) | <0.001 | 5.94 | Land Cover |
| **LAND** | **build\_p\_otherpaved\_300** | **Percent paved, 91.4 m (300 ft)** | 7.3 (4.1, 10.9) | 4.8 (2.3, 7.5) | 7.6 (4.4, 11.3) | <0.001 | 4.18 | Land Cover |
| **LAND** | **build\_p\_road\_300** | **Percent road, 91.4 m (300 ft)** | 6.8 (3.4, 11.4) | 4.8 (2.6, 7.5) | 7.1 (3.6, 11.9) | <0.001 | 1.19 | Land Cover |
| **LAND** | **build\_p\_shrub\_300** | **Percent shrub, 91.4 m (300 ft)** | 0.9 (0.0, 5.6) | 2.9 (0.0, 10.2) | 0.7 (0.0, 5.1) | <0.001 | 2.79 | Land Cover |
| **LAND** | **build\_p\_soil\_200** | **Percent soil, 61 m (200 ft)** | 19 (9, 34) | 29 (18, 40) | 18 (8, 33) | <0.001 | 2.6 | Land Cover |
| **LAND** | **build\_p\_tree\_100** | **Percent tree, 30.5 m (100 ft)** | 28 (18, 41) | 35 (24, 49) | 27 (17, 39) | <0.001 | 0.07 | Land Cover |
| **LAND** | **build\_p\_water\_100** | **Percent water, 30.5 m (100 ft)** | 0 (0,0) | 0 (0,0) | 0 (0,0) | 0.7 | 0.31 | Land Cover |
| **LAND** | **parcel\_area** | **Parcel area (m2)** | 4,565  (1,396, 24,752) | 7,837  (3,358, 39,047) | 4,288  (1,262, 22,843) | <0.001 | 0.18 | Land Cover |
| **TOPO** | **build\_Mean\_aspect\_**  **100m\_DEM** | **Aspect, 100 m around build** | 182 (154, 207) | 178 (148, 203) | 183 (155, 208) | <0.001 | 0.06 | 30 m DEM |
| **TOPO** | **build\_Mean\_elev\_30m** | **Elevation, 30 m around build (m)** | 242 (80, 284) | 243 (78, 315) | 242 (81, 281) | <0.001 | 3.59 | 30 m DEM |
| **TOPO** | **build\_Mean\_slope\_**  **30m\_DEM** | **Slope (%) 30 m around build** | 9.0 (5.6, 13.6) | 12.0 (7.9, 16.6) | 8.6 (5.3, 13.1) | <0.001 | 6.97 | 30 m DEM |

1Median (IQR); n (%)

2Wilcoxon rank sum test; Fisher's Exact Test for Count Data with simulated p-value

(based on 2000 replicates); Fisher's Exact Test for Count Data