**Supplementary Table 2.** Estimates of cofficients for logistic mixed effects model described in Eq. 10. Coefficient estimates are given, along with their 95% credible intervals, for each of four different models fit using data from different neighborhood sizes. The values of three variables (standard deviation of NDVI within a neighborhood, mean of NDVI within a neighborhood, and topographic roughness) depended on neighborhood size and thus the four different models are fit to the same data except for those three variables.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coefficient | 90m x 90m  neighborhood  estimate (95% CI) | 150m x 150m  neighborhood  estimate (95% CI) | 210m x 210m  neighborhood  estimate (95% CI) | 270m x 270m  neighborhood  estimate (95% CI) |
| β0 | -2.415 (-2.588, -2.255) | -2.432 (-2.605, -2.271) | -2.447 (-2.619, -2.279) | -2.45 (-2.618, -2.288) |
| βnbhd\_stdev\_NDVI | -0.208 (-0.247, -0.17) | -0.212 (-0.255, -0.17) | -0.203 (-0.248, -0.158) | -0.195 (-0.242, -0.148) |
| βprefire\_NDVI | 1.044 (0.911, 1.174) | 1.13 (1.028, 1.229) | 1.141 (1.057, 1.222) | 1.132 (1.056, 1.209) |
| βfm100 | -0.569 (-0.71, -0.423) | -0.564 (-0.709, -0.419) | -0.561 (-0.697, -0.428) | -0.565 (-0.712, -0.422) |
| βpahl | 0.239 (0.208, 0.271) | 0.238 (0.205, 0.269) | 0.239 (0.207, 0.269) | 0.24 (0.209, 0.272) |
| βtopographic\_roughness | -0.01 (-0.042, 0.022) | -0.006 (-0.039, 0.027) | -0.002 (-0.037, 0.032) | -0.002 (-0.036, 0.033) |
| βnbhd\_mean\_NDVI | -0.14 (-0.278, 0.002) | -0.265 (-0.381, -0.148) | -0.293 (-0.392, -0.193) | -0.293 (-0.389, -0.198) |
| βnbhd\_stdev\_NDVI\*prefire\_NDVI | 0.125 (0.029, 0.218) | 0.06 (-0.013, 0.135) | 0.022 (-0.045, 0.09) | 0.009 (-0.054, 0.072) |
| βnbhd\_stdev\_NDVI\*nbhd\_mean\_NDVI | -0.129 (-0.223, -0.034) | -0.078 (-0.151, -0.006) | -0.03 (-0.095, 0.035) | -0.006 (-0.068, 0.054) |
| βnbhd\_stdev\_NDVI\*fm100 | -0.037 (-0.081, 0.006) | -0.035 (-0.078, 0.01) | -0.03 (-0.076, 0.014) | -0.023 (-0.07, 0.023) |
| βnbhd\_mean\_NDVI\*prefire\_NDVI | -0.573 (-0.62, -0.526) | -0.564 (-0.612, -0.516) | -0.549 (-0.596, -0.502) | -0.537 (-0.587, -0.49) |