

## All Fitted PERMANOVA Models

| Model terms                                                                 | AICc      | $\Delta$ AICc | AIC Weight   |
|-----------------------------------------------------------------------------|-----------|---------------|--------------|
| Urbanization Extent 3km                                                     | -26.86358 | 0.00000000    | 0.1035336551 |
| Urbanization Extent 1km                                                     | -26.83722 | 0.02636014    | 0.1021780277 |
| Urbanization Extent 5km                                                     | -26.33244 | 0.53114315    | 0.0793862480 |
| Urbanization Extent 3km + Domestic Dog Visitation                           | -25.15868 | 1.70490332    | 0.0441434725 |
| Urbanization Extent 1km + Domestic Dog Visitation                           | -25.09082 | 1.77276216    | 0.0426708344 |
| Urbanization Extent 1km + Human Visitation                                  | -25.02332 | 1.84026233    | 0.0412547215 |
| Urbanization Extent 3km + Human Visitation                                  | -24.91036 | 1.95321404    | 0.0389893959 |
| Urbanization Extent 1km + Agricultural Extent 3km                           | -24.60041 | 2.26316538    | 0.0333919229 |
| Urbanization Extent 5km + Domestic Dog Visitation                           | -24.54521 | 2.31836952    | 0.0324828406 |
| Urbanization Extent 1km + Agricultural Extent 5km                           | -24.52484 | 2.33873653    | 0.0321537300 |
| Urbanization Extent 3km + Agricultural Extent 3km                           | -24.41956 | 2.44402234    | 0.0305048461 |
| Urbanization Extent 3km + Agricultural Extent 5km                           | -24.34001 | 2.52356891    | 0.0293153795 |
| Urbanization Extent 5km + Human Visitation                                  | -24.31543 | 2.54815191    | 0.0289572550 |
| Urbanization Extent 1km + Agricultural Extent 1km                           | -24.18180 | 2.68177695    | 0.0270857634 |
| Urbanization Extent 3km + Agricultural Extent 1km                           | -24.09265 | 2.77092943    | 0.0259048967 |
| Urbanization Extent 5km + Agricultural Extent 3km                           | -24.07902 | 2.78455434    | 0.0257290206 |
| Urbanization Extent 5km + Agricultural Extent 1km                           | -23.86426 | 2.99931827    | 0.0231093568 |
| Urbanization Extent 5km + Agricultural Extent 5km                           | -23.85969 | 3.00388815    | 0.0230566137 |
| Urbanization Extent 1km + Human Visitation + Domestic Dog Visitation        | -23.03463 | 3.82894448    | 0.0152628915 |
| Urbanization Extent 3km + Human Visitation + Domestic Dog Visitation        | -22.98090 | 3.88267380    | 0.0148583178 |
| Urbanization Extent 1km + Agricultural Extent 3km + Domestic Dog Visitation | -22.37583 | 4.48775348    | 0.0109793912 |
| Urbanization Extent 5km + Human Visitation +                                | -22.30807 | 4.55550598    | 0.0106136800 |

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| Domestic Dog Visitation                                                     |           |            |              |
| Urbanization Extent 3km + Agricultural Extent 3km + Domestic Dog Visitation | -22.27730 | 4.58628134 | 0.0104516103 |
| Urbanization Extent 1km + Agricultural Extent 5km + Domestic Dog Visitation | -22.25013 | 4.61344940 | 0.0103105952 |
| Urbanization Extent 3km + Agricultural Extent 5km + Domestic Dog Visitation | -22.13709 | 4.72649067 | 0.0097439969 |
| Urbanization Extent 5km + Agricultural Extent 3km + Domestic Dog Visitation | -21.94495 | 4.91862709 | 0.0088514668 |
| Urbanization Extent 1km + Agricultural Extent 1km + Domestic Dog Visitation | -21.93704 | 4.92654315 | 0.0088165017 |
| Urbanization Extent 3km + Agricultural Extent 1km + Domestic Dog Visitation | -21.92708 | 4.93650022 | 0.0087727175 |
| Urbanization Extent 1km + Agricultural Extent 1km + Human Visitation        | -21.73190 | 5.13168215 | 0.0079570287 |
| Urbanization Extent 1km + Agricultural Extent 3km + Human Visitation        | -21.71537 | 5.14820540 | 0.0078915615 |
| Urbanization Extent 5km + Agricultural Extent 1km + Domestic Dog Visitation | -21.71198 | 5.15160224 | 0.0078781697 |
| Urbanization Extent 1km + Agricultural Extent 5km + Human Visitation        | -21.71170 | 5.15188246 | 0.0078770660 |
| Urbanization Extent 3km + Agricultural Extent 1km + Human Visitation        | -21.66857 | 5.19501089 | 0.0077090216 |
| Urbanization Extent 5km + Agricultural Extent 5km + Domestic Dog Visitation | -21.62481 | 5.23877120 | 0.0075421790 |
| Urbanization Extent 3km + Agricultural Extent 3km + Human Visitation        | -21.53743 | 5.32614597 | 0.0072197747 |
| Urbanization Extent 3km + Agricultural Extent 5km + Human Visitation        | -21.47718 | 5.38639555 | 0.0070055238 |
| Urbanization Extent 5km + Agricultural Extent 1km + Human Visitation        | -21.46617 | 5.39741088 | 0.0069670458 |
| Urbanization Extent 5km + Agricultural Extent 3km + Human Visitation        | -21.26519 | 5.59839201 | 0.0063009519 |

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| Urbanization Extent 5km + Agricultural Extent 5km + Human Visitation                           | -21.02558 | 5.83800135    | 0.0055895347 |
| Agricultural Extent 1km                                                                        | -20.25336 | 6.61021998    | 0.0037991856 |
| Agricultural Extent 5km                                                                        | -20.04341 | 6.82016903    | 0.0034205871 |
| Agricultural Extent 3km                                                                        | -20.04017 | 6.82340545    | 0.0034150564 |
| Null Model                                                                                     | -19.91577 | 6.94780688    | 0.0032091089 |
| Domestic Dog Visitation                                                                        | -19.62992 | 7.23365816    | 0.0027817150 |
| Urbanization Extent 3km + Agricultural Extent 1km + Human Visitation + Domestic Dog Visitation | -19.08917 | 7.77441315    | 0.0021227027 |
| Urbanization Extent 1km + Agricultural Extent 1km + Human Visitation + Domestic Dog Visitation | -19.04755 | 7.81602406    | 0.0020789952 |
| Urbanization Extent 1km + Agricultural Extent 3km + Human Visitation + Domestic Dog Visitation | -19.01852 | 7.84505894    | 0.0020490315 |
| Urbanization Extent 1km + Agricultural Extent 5km + Human Visitation + Domestic Dog Visitation | -18.97686 | 7.88671970    | 0.0020067909 |
| Urbanization Extent 3km + Agricultural Extent 3km + Human Visitation + Domestic Dog Visitation | -18.96611 | 7.89747093    | 0.0019960321 |
| Urbanization Extent 5km + Agricultural Extent 1km + Human Visitation + Domestic Dog Visitation | -18.89473 | 7.96884884    | 0.0019260520 |
| Urbanization Extent 3km + Agricultural Extent 5km + Human Visitation + Domestic Dog Visitation | -18.83546 | 8.02811545    | 0.0018698141 |
| Urbanization Extent 5km + Agricultural Extent 3km + Human Visitation + Domestic Dog Visitation | -18.73905 | 8.12452609    | 0.0017818171 |
| Agricultural Extent 1km + Domestic Dog Visitation                                              | -18.72191 | 8.14166656    | 0.0017666118 |
| Human Visitation                                                                               | -18.58049 | 8.28308479    | 0.0016460103 |
| Agricultural Extent 5km + Human Visitation                                                     | -18.54671 | 8.31687087    | 0.0016184377 |
| Agricultural Extent 3km + Human Visitation                                                     | -18.53394 | 8.32963439    | 0.0016081421 |
| Agricultural Extent 3km + Domestic Dog Visitation                                              | -18.42946 | 8.43412024    | 0.0015262849 |
| Agricultural Extent 1km + Human Visitation                                                     | -18.38578 | 8.47779425    | 0.0014933167 |

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| Urbanization Extent 5km + Agricultural Extent 5km + Human Visitation + Domestic Dog Visitation | -18.38504 | 8.47853827    | 0.0014927613 |
| Agricultural Extent 5km + Domestic Dog Visitation                                              | -18.31188 | 8.55170314    | 0.0014391392 |
| Human Visitation + Domestic Dog Visitation                                                     | -17.61905 | 9.24452397    | 0.0010177912 |
| Agricultural Extent 1km + Human Visitation + Domestic Dog Visitation                           | -16.28682 | 10.57675470   | 0.0005228396 |
| Agricultural Extent 3km + Human Visitation + Domestic Dog Visitation                           | -16.16088 | 10.70270249   | 0.0004909296 |
| Agricultural Extent 5km + Human Visitation + Domestic Dog Visitation                           | -16.09002 | 10.77356370   | 0.0004738402 |

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