Table SX: Correlations between variables in various models, as indicated by spearman’s rank correlation coefficient (comparing continuous variables), chi-square tests (comparing categorical variables) and anova tests (comparing a continuous and categorical variable)

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Table Sx: Independent variables examined in this study

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| --- | --- | --- |
| Variable Category | Variable Name | Description |
| Spatial | Natural | Proportional cover\* of undisturbed natural vegetation regime (forest, wetlands, shrublands, etc..) |
|  | Modified Open | Proportional cover\* of undeveloped but disturbed land cover (agriculture, non-maintained grass/shrub, recent clearings) |
|  | Mowed | Proportional cover\* of mowed grass |
|  | Residential | Proportional cover\* of developed residential area |
|  | Commercial | Proportional cover\* of highly developed commercial area (large transportation surfaces, commercial buildings, etc..) |
|  | Building Density | Proportional cover of buildings\* |
|  | Road Distance | Distance decay to nearest road |
|  | Land Cover | Categorical classification based on most abundant land cover type within a 100m buffer distance |
| Temporal | Year |  |
|  | Month |  |
|  | Season | Biologically relevant coyote seasons (breeding, pup-rearing, dispersal) |
|  | Time of Day | Binary classification of time as day or night |
| Contextual | Human Activity |  |
|  | Vulnerable Individual |  |
|  | Dog Leash Status |  |
|  | Coyote Number |  |
|  | Coyote Health |  |

\* Spatial variables measured within 100, 200, 400, 800 and 1600m buffer distances