

Covariate Update Overview

References

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Table 1: Candidate covariate set

| Covariate name | Description | Source |
|---|--|--------|
| Species Distribution | | |
| <i>Macaca fascicularis</i> suitability | Predicted suitability for inhabitation by macaques of species <i>M. fascicularis</i> | [1] |
| <i>Macaca nemestrina</i> suitability | Predicted suitability for inhabitation by macaques of species <i>M. nemestrina</i> | [1] |
| Leucosphyrus group suitability | Predicted suitability for inhabitation by mosquitos of the Leucosphyrus group | [1] |
| Various | | |
| Human population | Gridded human population density from WorldPop data | [2, 3] |
| Plasmodium falciparum temperature suitability | Temperature suitability for <i>P. falciparum</i> transmission | [4] |
| Tasseled cap wetness standard deviation | Tasseled-cap transformed MODIS data | [5, 6] |
| Tasseled cap wetness mean | “ “ “ | [5, 6] |
| Tasseled cap brightness standard deviation | “ “ “ | [5, 6] |
| SRTM elevation | Mean elevation across a pixel | [7] |
| Access to healthcare | Predicted duration travel time in minutes to the nearest healthcare facility | [8] |
| MODIS/IGBP Landcover | | |
| Open shrublands | Proportion of land with given MODIS/IGBP land classifications | [9] |
| Woody savannas | “ “ “ | [9] |
| Savannas | “ “ “ | [9] |
| Grasslands | “ “ “ | [9] |
| Permanent wetlands | “ “ “ | [9] |
| Croplands | “ “ “ | [9] |
| Cropland/natural vegetation mosaic | “ “ “ | [9] |
| Urban and built up | “ “ “ | [9] |
| Tree and Forest Coverage | | |
| Forest coverage | Proportion of land with forest coverage in a given year | [10] |
| Forest loss | Proportion of land where forest coverage has been lost in the past year | [10] |