**A map of the world

Description automatically generated**

A picture containing background pattern

AI-generated content may be incorrect.

**A graph with black lines and white text

Description automatically generated**

Chart

Description automatically generated

A screenshot of a graph

Description automatically generated

A graph of a step

Description automatically generated

*A graph of steps

Description automatically generated*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Global 2 | Global 1 | Human | Habitat | Null | Model Name |
| log step length + log step length² +  cosine turn angle | log step length + log step length² +  cosine turn angle | log step length + log step length² +  cosine turn angle | log step length + log step length² +  cosine turn angle | log step length + log step length² + cosine turn angle | Movement Parameters |
| Developed + **Forest** + Herbaceous Wetlands+ **Cosine Aspect** +  Terrain Ruggedness | Developed + **Forest** + Herbaceous Wetlands+ **Cosine Aspect** +  Terrain Ruggedness |  | Developed + **Forest** + Herbaceous Wetlands+ **Cosine Aspect** +  Terrain Ruggedness |  | Habitat Parameters |
| **Distance to**  **Trail** | **Distance to**  **Trail** | **Distance to**  **Trail** |  |  | Recreation  Parameters |
| Distance to Trail: Human Activity | Log step length : Human Activity  Log step length2: Human Activity | Distance to Trail: Human Activity |  |  | Interactions |

Figure 1: Study area outside Salida, Colorado with inset showing location within the larger state. Overlaid layers include a land cover layer indicating forest (cross-hatches) and shrub (dots) habitats, mountain biking/hiking trails (white lines), trail counter locations (white circles with black dots), and the minimum convex polygon (MCP) of all deer locations.