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Final Project Data Sources

2024-09-26

The data included in my project will be spatial movement coordinates of the focal species, season, landcover type, elevation, and spatial coordinates of hiking trails.

Animal movement data is procured from Movebank in CSV format. From the same dataset I will use the dates associated with spatial coordinates to compare space use across seasons (Summer, Jun–Aug; Autumn, Sep–Nov; Winter, Dec–Feb; Spring, Mar–May). <https://doi.org/10.5441/001/1.gm93267b>

Landcover and elevation maps will both be obtained from the U.S. Geological Survey database. <https://www.mrlc.gov/data?f%5B0%5D=category%3ALand%20Cover> & <https://data.usgs.gov/datacatalog/data/USGS:77ae0551-c61e-4979-aedd-d797abdcde0e>

I will use AllTrails to download spatial coordinate for hiking trails in the area of interest in CSV format. At the time I am downloading the data, I will also take note of the total number of user interactions on the detail page for each trail to obtain an estimate of relative use or popularity across trails. <https://www.alltrails.com/explore/us/washington/grand-coulee?b_tl_lat=48.94417371318937&b_tl_lng=-121.2110978405697&b_br_lat=47.18612780542284&b_br_lng=-117.13467756922867&mobileMap=true>