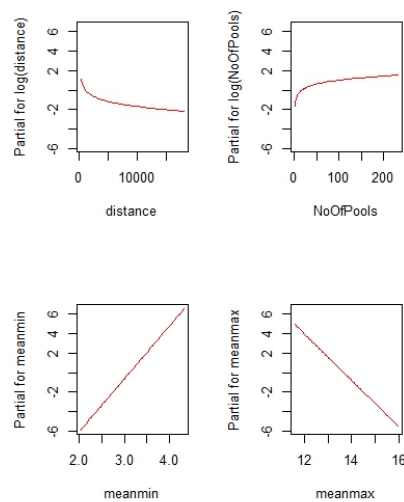


Barbara Heindl
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Geography 560: Final Project

Occupancy of an endangered species in regard to habitat features in an Australian sub-alpine climate.

Executive Summary:

Like many endangered species, southern corroboree frogs are deeply affected by a changing Landscape. I looked at habitat data collected at points where surveys for southern corroboree frogs had been preformed and found that of the 7 characteristics I looked at 3 were strongly associated with occurrence of the frog at the site. These characteristics were: distance to next nearest population, mean minimum Spring temperature, and number of pools. All three characteristics are highly influenced by habitat quality. The results of this project enhance the need for protection of quality critical habitat, especially with in close proximity to extant populations.



Note: I ended up changing my project slightly. While the goals are still relatively the same, I had difficulties getting my landuse file raster to load properly into R (**Error in load: bad restore file magic number (file may be corrupted) -- no data loaded** In addition: **Warning message: file 'wiscland.tif' has magic number 'II*' Use of save versions prior to 2 is deprecated**) after researching the error and asking several of my past colleagues I was still unable to figure it out, due to time and personal constraints I decided to use this data set which already had habitat data incorporated into the occupancy data.