Point Weights

steppe

Design Weights

Under a Simple Random Sample, wherein each stratum would be un-weighed

$$\pi_i = n/N$$

- π_i is the inclusion probability of each individual, i.e. the probability of a site being selected
- n sample size, e.g. the number of plots
- N population size, e.g. the target is geographic size of the BLM field office

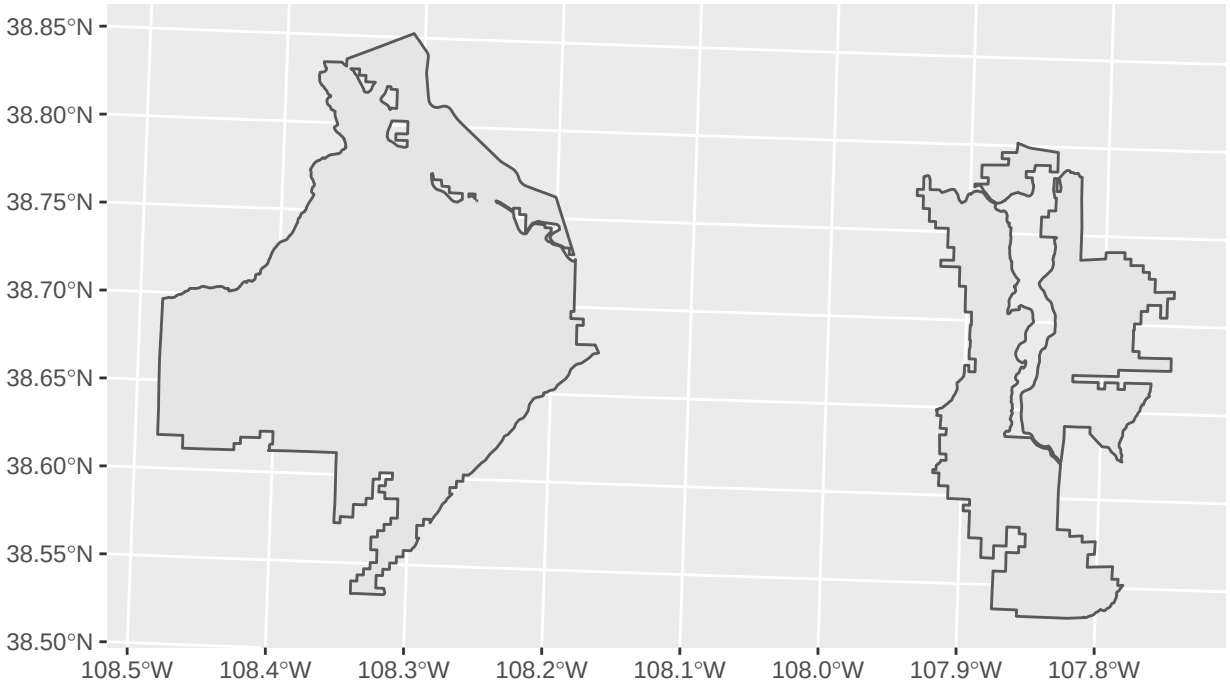
Under a weighed design, wherein each stratum has an associated weight e.g. based on it's heterogeneity

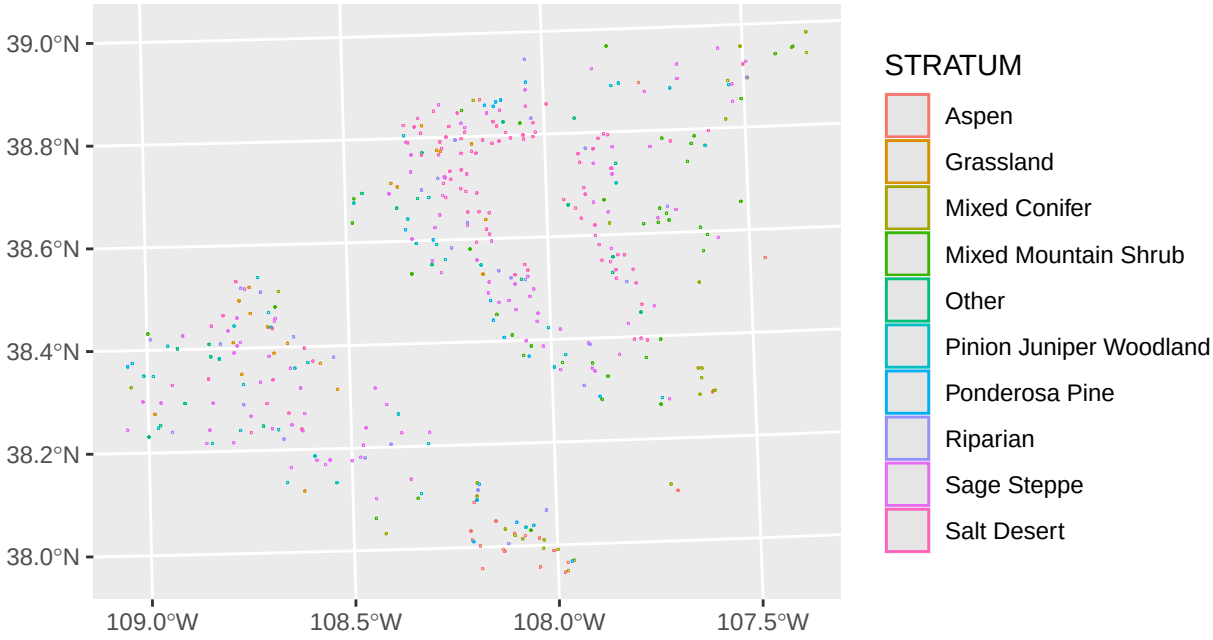
$$W_i = 1/\pi_i$$

- π_i is the inclusion probability of each individual, i.e. the probability of a site being selected
- W_i is the weight associated with each site

The reporting units of Areas of Critical Environmental Concern (ACEC's), and Wilderness Study Areas (WSA), have different management objectives relative to the remaining BLM administered surface area. These areas are intended to have " ... greater than 80 percent vegetation communities ... ". These areas were not intensified units within the original sample design, rather we split them out here using the original point draw for the field office. Here we calculate the initial sample weights for them using the same approach as for the remainder of BLM land, i.e. the acreage of each stratum is weighed against a targeted proportion of sites in the region. As our sample design was initiated and completed during a period of drought (See...), we dismiss the possibilities of making temporal comparisons across the sample panels. Accordingly, we have strata within these management units which: do not have a point per year panel (i.e. cannot be sampled each year). Subsequently, we do not have the initial ability to infer across the entire acreage of each stratum within them.

```
##  [1] "StratumName" "Stratum"     "Total"       "NotSampled"  "Rejected"
##  [6] "Sampled"     "DesiredSS"   "PropArea"    "PropTarget"  "Acres"
## [11] "ApproxStWgt"
```


38.85°N
38.80°N
38.75°N
38.70°N
38.65°N
38.60°N
38.55°N
38.50°N
108.5°W
108.4°W
108.3°W
108.2°W
108.1°W
108.0°W
107.9°W
107.8°W


39.0°N
38.8°N
38.6°N
38.4°N
38.2°N
38.0°N
109.0°W
108.5°W
108.0°W
107.5°W
STRATUM
Aspen
Grassland
Mixed Conifer
Mixed Mountain Shrub
Other
Pinion Juniper Woodland
Ponderosa Pine
Riparian
Sage Steppe
Salt Desert