Estimating a parameter – (Total / mean)

Estimation\_fun(parameter = “Haul duration at trip level”, estimator = HH/HT – could be based more one selectionMethod)

Domain <- paste(area, time, tech, )

Assume we are using the same estimator for all levels – here the HT, ignoring the stuff about the distinct unit, so I will need to find the inclusion probability

1. Declare what you want estimate e.g. total VS – one row in a table is a unit
2. Find the SU with the VS
   1. Specify a table haul duration, number hauls
   2. Parameter (the input to the function), rectype\_start, rectype\_end, variable name, (extra variable)
      1. Haul duration total, FO, DE, FOhaulDur
      2. Haul duration at trip level, FO, FT, FOhaulDur
      3. Number of hauls, FO, id (each line a unit)
      4. Total weight Landing, SA, DE, weight …
      5. (KWhour – you will need stuff from another table e.g. VDkw…)
3. For each table pick up strata and inclusion probability
   1. DE – samplingScheme, stratum, id
   2. SD – id, idAbove
   3. SU1 – id, idAbove, stratum, prob
4. Combine (slightly annoying that all variables have the same name, but could add more generic names e.g. DE… SD … SU1… SU2…- solve by Hans)
   1. DEsamplingScheme, DEstratum, SUstratum, SUprob, SUparameter = line
   2. Per line calculate the combined
   3. Sum per DEsamplingScheme, DEstratum, SUstratum, total, mean
5. How do we actually calculate?
6. Warnings: For NA’s
7. (Domains)
8. Delete stuff e.g. invalid hauls (could be based on nice overviews of what you have)