**W2 Specific Steps**

**Overview**

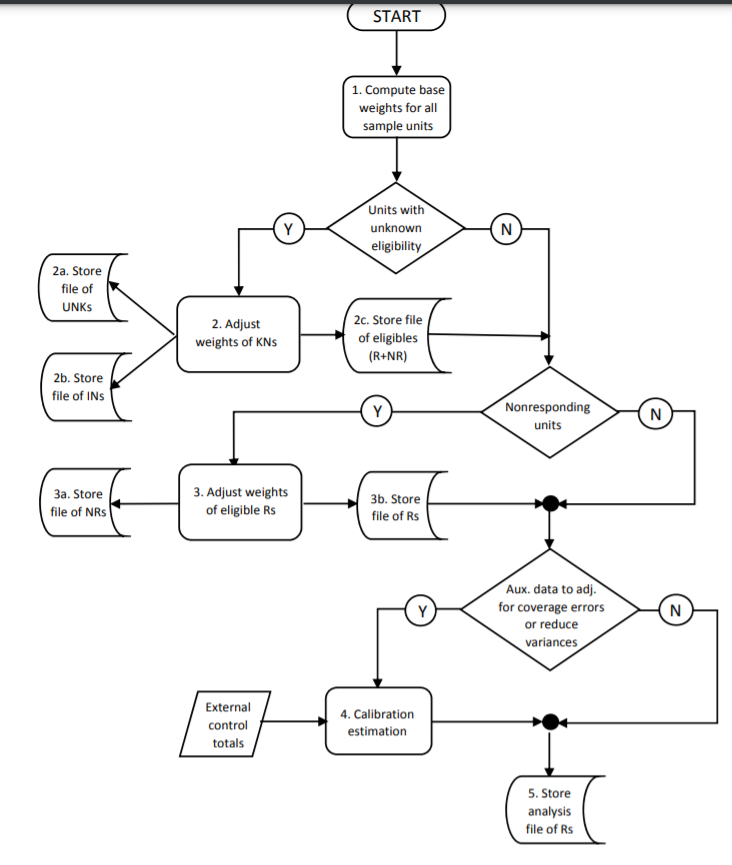
Probability Samples: Four Steps in weighting

• compute base weights 🡺 Inverse of selection probabilities; we keep track of those

• adjust base weights to account for units with unknown eligibility (if any)

• adjust for nonresponse

• calibrate to pop control totals



Non-probability samples

• No base weights in probability sampling sense

• Identify ineligible units

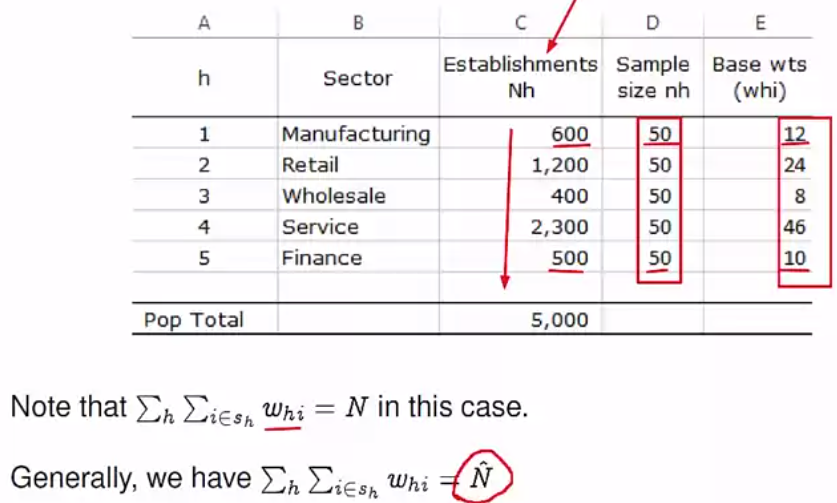
• No nonresponse in probability sampling sense

• Maybe compute a “pseudo-inclusion” probability and use inverse as a “base weight”

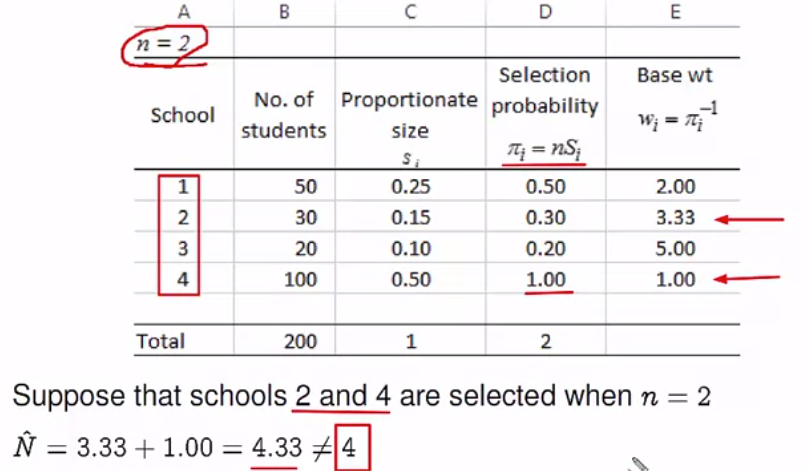
• Calibrate to population control totals

**Base Weights**

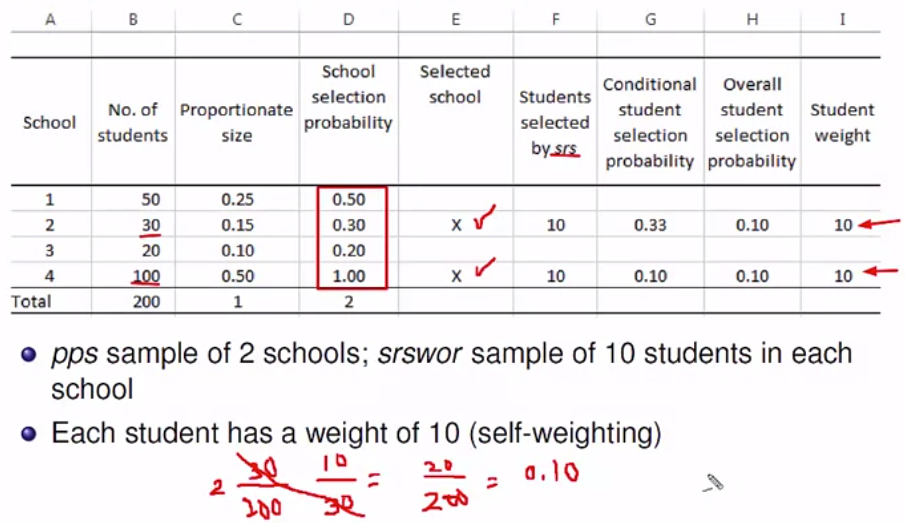
Example: Stratified simple random sample



Example: Probability Proportional to size sample



Example: Two stage sample



🡺 Self weighting sample

If you think there is no reason to think certain student is worth more

• In a stratified simple random sample, every sample unit in a given stratum **cannot** have a different base weight.