

# Practical Application

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- **Identify at least 2 metrics used by your organization that are based on sampled data.**
  - What is the ideal sample size for each metric to have 95% confidence (use the existing metric to determine the ideal precision typically used and the defect rate or standard deviation)?
    - How does this compare to the actual sample size used for that metric?
      - *If the organization does not meet the ideal sample size, then what affect does that have on the confidence level and/or precision for each metric?*
  - Determine how the organization typically applies rational sub-grouping for the metric.
    - How many levels exist for each type of sub-group?
    - Does the organization have at least the ideal sample size calculated above for each sub-group level?
      - *If not, then what affect does this have on the confidence level and/or precision?*