

Two-Phase Three-Phase

* For simple and cluster sampling

Global
Estimators

Exhaustive
auxiliary
information

Non-exhaustive
auxiliary
information

Small Area
Estimators

Exhaustive
auxiliary
information

Non-exhaustive
auxiliary
information

Unbiased

Potentially
biased

Extended
Synthetic
Estimator

Small Area
Estimator

Synthetic
Estimator

Unbiased

Potentially
biased

Extended
Pseudo
Synthetic
Estimator

Pseudo
Small Area
Estimator

Pseudo
Synthetic
Estimator