

# 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  
Synthetic  
Estimator

Small Area  
Estimator

Synthetic  
Estimator