

APPLICATION OF BAYESIAN ANALYSIS

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The aim of the talk is to introduce the Bayesian analysis in general and its application to the survey statistics particularly. Starting with the known Bayes theorem, the main elements of the Bayesian inference and its comparison with the frequentist inference will be presented. Likelihood principle for Bayesian survey statistics, concepts of ignorability and exchangeability will be introduced. Popular sampling designs in the light of Bayesian inference will be discussed.

References

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