EBLUP ESTIMATOR: COMPARISON OF THE PREDICTION USING TRUE POPULATION INFORMATION WITH SAMPLE LEVEL INFORMATION

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Abstract

One of the main goals of the EURAREA project was to develop new methods and applications based on empirical linear unbiased predictors (EBLUP) on unit level data. The applications and finally software were based on availability of full population information at least as the tabular data. However, in many situations such data are not completely available and, thus, the most reliable way to predict is to use sample level data only. This presentation shows some preliminary results how the sample level data might be used and how the two approaches will compare with each other based on both simulations and real examples.