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Title:

How statistics feeds us – applied statistics in agriculture

Abstract:

Selective breeding is the essential driver in increasing genetic gains to meet the demand for food. Species, such as wheat, significantly differ from their wild ancestors through the repeated selection of superior varieties. These selections are routinely conducted via artificial genetic improvement program. In this talk I will present an overview of statistical methods and schemes that are linked to selective breeding. With time permitting, I will present the simulation results that compare between the widely used two-stage linear mixed model approach in genomic selection to our one-stage approach.