

Applications of Mixed Models and SVM to Genomic Selection of Eucalyptus trees

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This study aims to compare Ridge Regression models and SVM focusing on factors that influence perdition metrics, such as quality of data collected and relationship effects. The importance of controlling family effects through cross validation was also verified. SVM and regression models showed consistent and similar results.

Keywords: Genomic selection, eucalyptus, improvement program, machine learning, ridge regression, cross validation, SVM.