

# Estimated covariances for different degrees of balanced data

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May 6, 2022

REML results were not provided for scenario 2 because ASREML and AIREMLF90 were not suited for the estimation of covariance components when there was no overlap of individuals and environments. In Figure 1, the data from scenario 2 were adapted to demonstrate that an overlapping of individuals and environments is necessary for REML with ASREML and AIREMLF90 to adequately estimate covariance components. This pitfall was not a problem for PEGS and THGS.

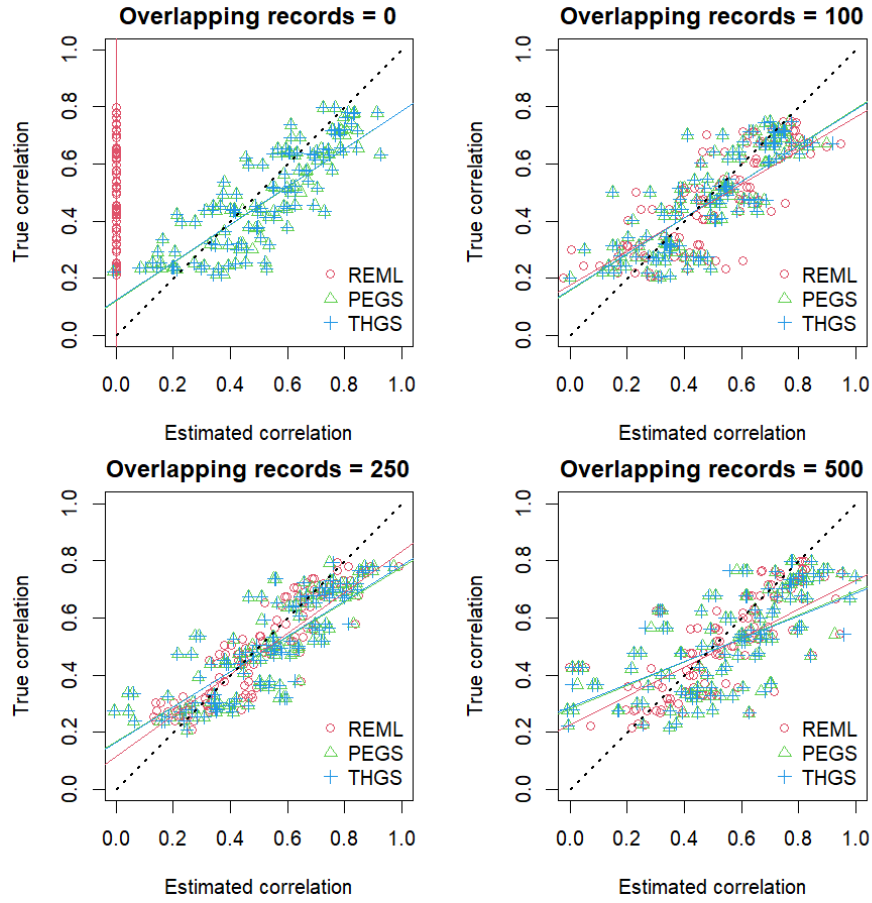


Figure 1: Scatter plot between true and estimated genetic correlations using the soybean dataset with varying number of overlapping individuals across environments.