

# GENETIC MODELLING IMPUTATION APPROACH FOR QUANTITATIVE MISSING DATA PROBLEM

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Researchers always encounters with missing data problem. Since 1980s, many imputation methods proposed for example Little(1976), Little and Rubin(2002) and Schafer(2010). Various imputation methods and different analysis techniques are developed for dealing with the missing data. in literature as mean imputation, regression imputation etc.

In this study we proposed genetic modelling imputation approach in order to increase the performance of regression imputation methods. Genetic modelling imputation (GMI) method aims to find the best functional form generated by genetic algorithm. Performance and imputation accuracy of GMI ,regression imputation and mean imputation methods compared for four different missing ratios 1%,%5,10% and 15% by simulation and a real data application is given.

## References

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