Root-mean-square error (RMSE) of various missing data imputation methods Method 1.6 -Random replacement Median imputation Mean imputation 1.4 missMDA Regularized missMDA EM pcaMethods PPCA pcaMethods svdImpute pcaMethods BPCA pcaMethods NIPALS pcaMethods NLPCA mice mixed 1.0 mi Bayesian Amelia II missForest Hmisc aregImpute 0.8 -VIM kNN VIM KNN -Amelia II mice mixed missForest Hmisc aregImpute Random replacement Mean imputation missMDA Regularized missMDA EM pcaMethods svdImpute pcaMethods NIPALS mi Bayesian Median imputation pcaMethods PPCA pcaMethods BPCA pcaMethods NLPCA