**Exercise 1**: Try to understand and run the R code and SAS code contained in class slides

**Exercise 2**: Find one real data file and implement different imputation methods. You may need to choose study variables of interest (such as smoking status, obesity, diabetes and so on) and covariates (such as age, gender, race, education and income). Create missingness by yourself if necessary. Estimating mean, percentile or other population parameters of study variables. Compare the results obtained by using different imputation methods and method without any imputation

**Reading assignment**:

1. Read R package ‘mice’ (<https://cran.r-project.org/web/packages/mice/mice.pdf>) and try to implement other interesting methods in real data application
2. Read SAS manual for ‘Proc MI’ (<https://support.sas.com/documentation/onlinedoc/stat/132/mi.pdf>) and try to implement other interesting methods in real data application