For the sample datasets, we generate random numbers assuming that the total sample size of user data is 500.

Further we may consider that the age variable has four categories (from 0 to 3), and there are 7 geographic units.

Therefore, the matrix sizes for the sample\_pop\_data is 8 x 7, and the sample\_user\_data is 5 x 501.

You may directly run the R code in the main page after specifying your working directory.