**The raw data is in “Raw\_Data.csv”**:

This is the direct downloaded file from the online survey.

The first three columns are three demographics of participants, age, gender, ethnicity.

The next thirty-two columns, titled likewise in “T45.S.W.M”, are the result scores of participants in the two tasks, 1) discrimination task (D), 2) trustworthiness rating task (T). Every task comprises 16 questions.

The column title is marked, in turn, with task (D/T), facial image set (45/16), face authenticity (real/synthetic), face ethnicity (Black/White/South Asian/East Asian), face gender (male/female). To counterbalance the effect of the two image sets use, image sets 16 and 45 are randomly assigned to the two tasks. Consequently, there are two assigned conditions, set 16 for discrimination task and set 45 for trustworthiness rating task, or set 45 for discrimination task and 45 for trustworthiness rating task. Hence, there are 64 possible questions for every participant, but participants can only encounter half of these questions because every task is completed only once with a random image set. Thus, there are always 32 columns empty in the observation for every participant. For example, “T45.S.W.M” means the trustworthiness task, image set 45, synthetic face, White, male.

The last four columns, titled “SC0” “SC1” “SC2” “SC3”, are the sum scores for real/synthetic faces participants get in the two tasks. For the discrimination task, the score means the number of faces participants correctly categorise for real/synthetic faces. For the trustworthiness rating task, the score means the sum of scores participants rate for real/synthetic faces.

**The variables in “****Processed\_Data.csv”**:

This data file is further sorted according to the raw data.

The first three columns are three demographics of participants, age, gender, ethnicity.

Next, the three columns starting with “Dis\_”, “Dis\_All”, “Dis\_Real”, “Dis\_Syn”, are the participant’s recognizing accuracy in percentage in the discrimination task, respectively for all faces, real faces, and synthetic faces.

The last nine columns are the statistical means of participants’ trustworthiness rating scores, respectively in terms of all faces, real faces, synthetic faces, stimuli gender, stimuli ethnicity.

**The variables in “gender\_gender\_authenticity.csv”**:

The four variables are further sorted out of the file “Processed\_Data.csv”.

Among them, there are three independent variables, in turn, subject gender, stimuli gender, stimuli authenticity, and one dependent variable trust.

**The variables in “ethnicity\_ethnicity\_anthenticity.csv”**:

The four variables are further sorted out of the file “Processed\_Data.csv”.

Among them, three independent variables represent, in turn, subject ethnicity, stimuli authenticity, stimuli ethnicity, and one dependent variable trust.