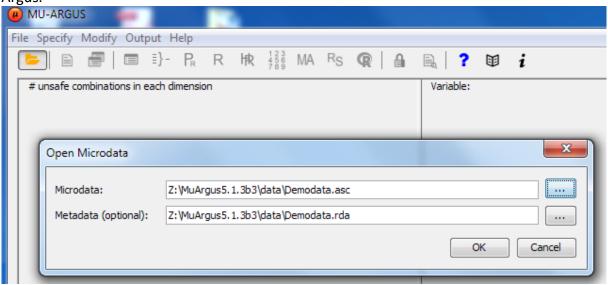
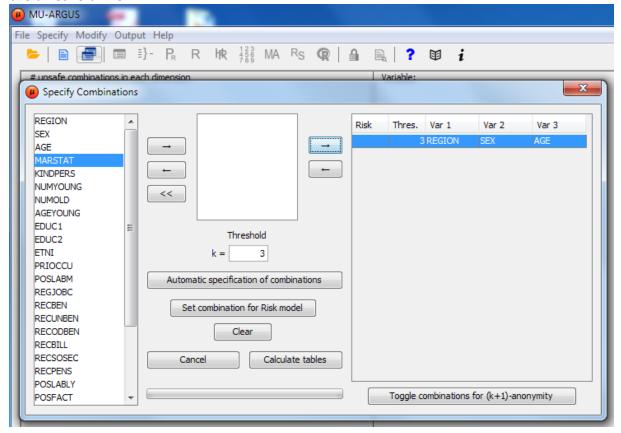
Step-by-step test procedure – MuArgus

This document provides a step-by-step procedure to test two main features of μ -Argus. This test procedure uses the dataset Demodata.asc provided in the installation packages. It applies suppression to obtain a 3-anonymous dataset based on 3 quasi-identifiers Region Sex and Age. A first anonymized dataset is done without any recoding. A second dataset is done by recoding the variable Age before applying suppressions. It uses μ -Argus 5.1.3b3.

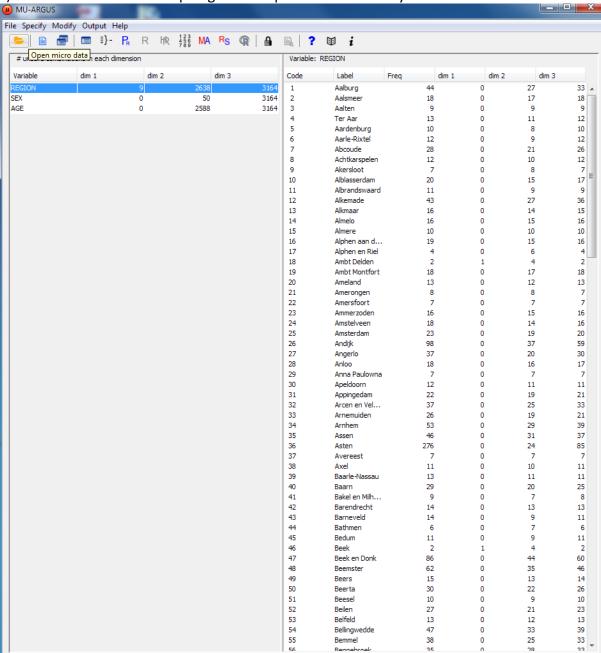
a) Open μ -Argus. Open microdata. Select Demotada.asc in the data folder where you unzipped μ -Argus. The .rda file is also in this folder and it is detected automatically by μ -Argus.



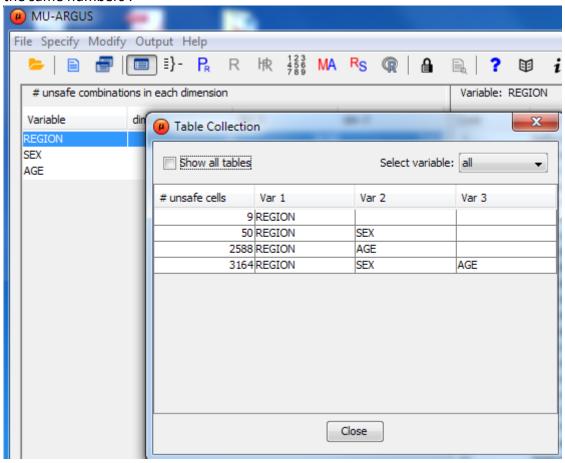
b) Use the Specify Combinations icon. Select the 3 variables Region Sex and Age and choose the threshold k=3.



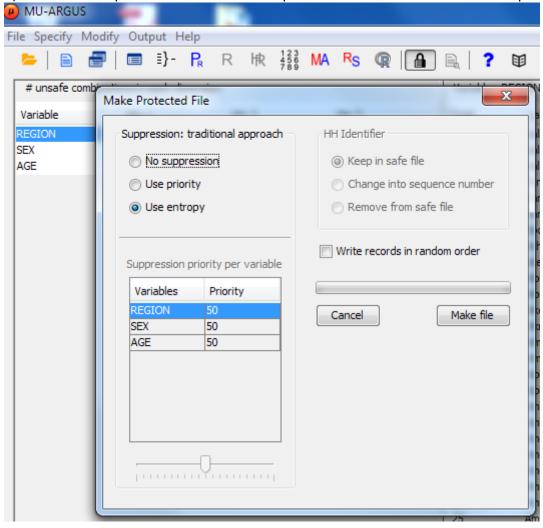
c) Click on Calculate tables. μ -Argus will explore the data and you will arrive on this screen :



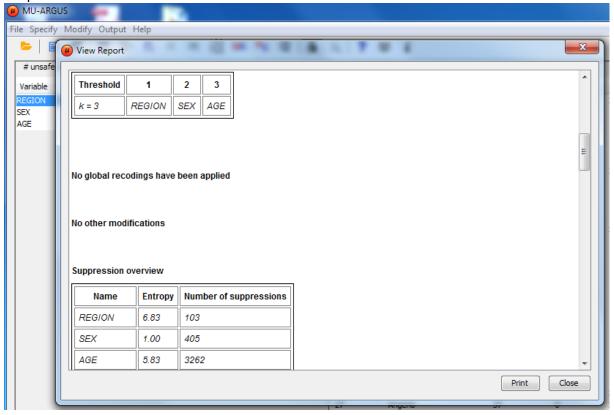
d) Click on the Table Collection icon to check how many cells are unsafe. Verify that you get the same numbers :



e) Use the Make protected file icon to compute a safe dataset with the default parameters.



f) μ -Argus will show this report and save it as a .html file. Verify that you get the same number of suppressions by Region Sex and Age. Verify that you also get the two other output files.



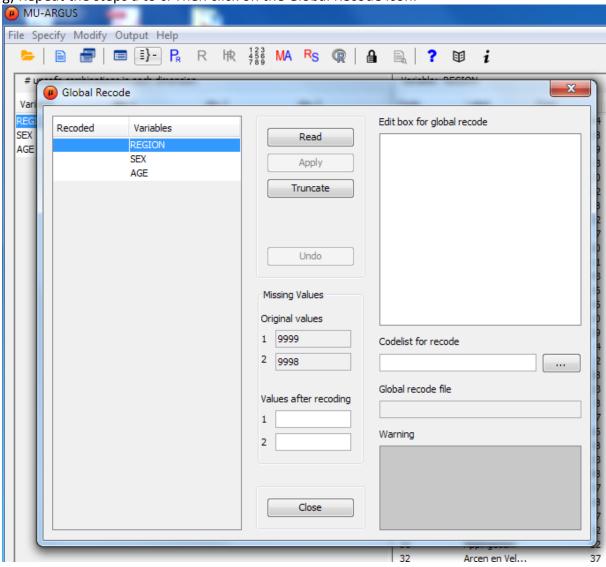


DemodataSafe.html DemodataSafe.rds

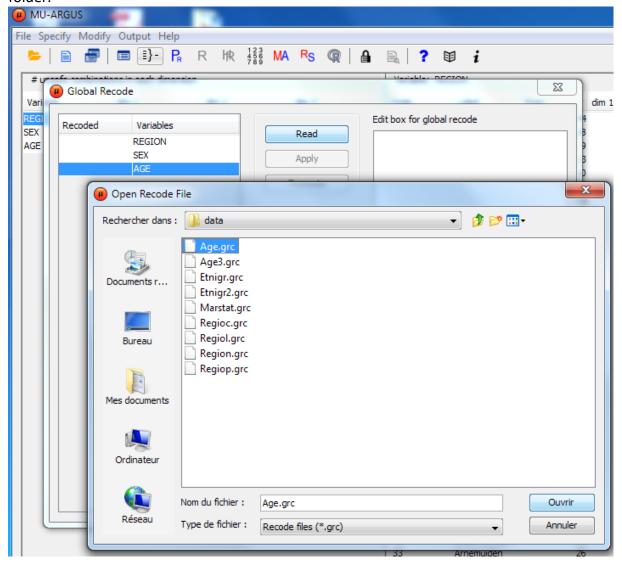


DemodataSafe.saf

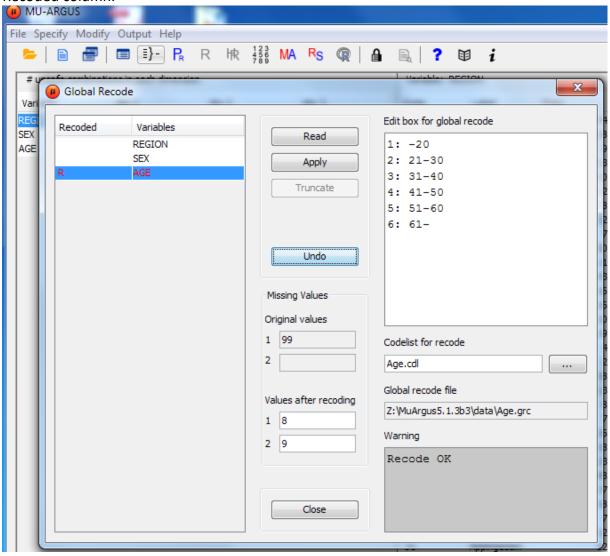
g) Repeat the steps a to c. Then click on the Global Recode icon.



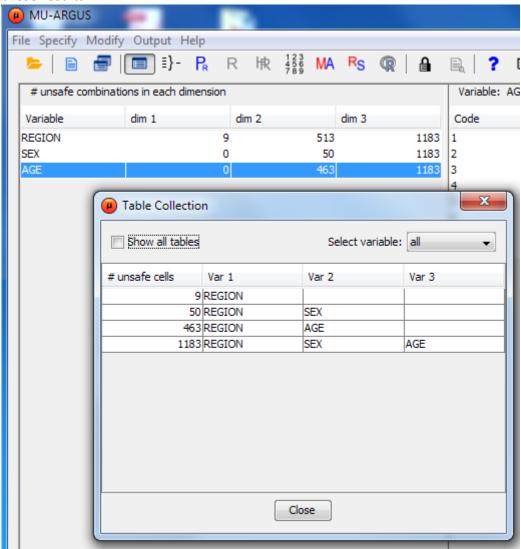
h) Select variable Age, and click 'Read' to select the recode file Age.grc that is in the data folder.



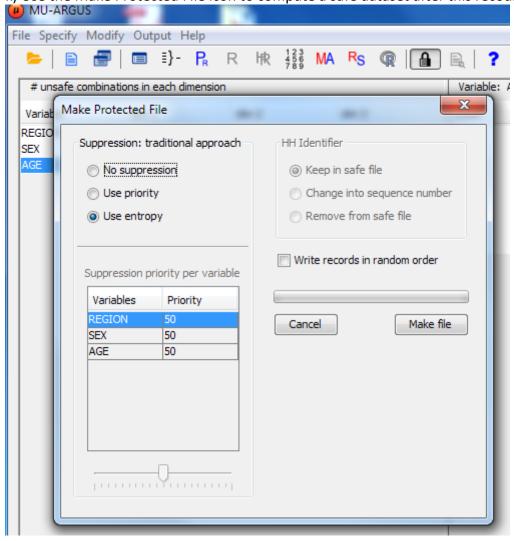
i) Apply the recoding. Verify that the variable Age goes to red and that a "R" appears in the Recoded column.



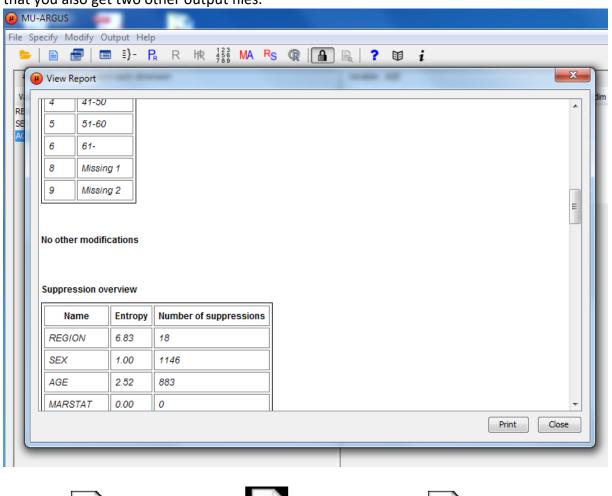
j) Click on the Table Collection icon to check the numbers of unsafe cells. Verify that you get these results :



k) Use the Make Protected File icon to compute a safe dataset after this recoding by age.



I) Verify in the report that you get the same number of suppressions for each variable. And that you also get two other output files.









DemodataSafe2.rds