**ICECAP-O: Calculation of Tariffs**

This code, when substituted into a Stata do file, will allow calculation of ICECAP-O tariffs for each respondent in a study, based on their answers to the five classification questions. Statistical analyses can then be conducted on these tariffs. Indeed they can be conducted on the five index values also, to ascertain sensitivity of these to differences in factors

Data should be set up with one study participant per row. As specified on the ICECAP-O questionnaire, coding should be such that the 'top' level (full capability for an attribute) should take the value '4', down to the bottom level (no capability) which should take the value '1'. NB this coding is the opposite of that used in instruments such as the EQ-5D (where 1 is top level). The five variables, containing a respondent's five ICECAP-O responses should be named attachment, security, role, enjoyment, control. Use of this coding means that any ICECAP-O state can be represented by its coding. Thus '44444' represents the state described by full capability on all 5 attributes. 44144 represents the state described by no capability on the role attribute, but full capability on attachment, security, enjoyment and control.

matrix UTILS=(-0.0128, 0.1340,0.2325,0.2535\/\*

\*/0.0321,0.0661,0.1071,0.1788\/\*

\*/0.0151, 0.1296, 0.1793, 0.1923\/\*

\*/0.0168, 0.1185, 0.1643, 0.1660\ /\*

\*/ -0.0512, 0.1076, 0.1848, 0.2094)

gen att\_index=UTILS[1,attachment[\_n]]

gen sec\_index=UTILS[2,security[\_n]]

gen rol\_index=UTILS[3,role[\_n]]

gen enj\_index=UTILS[4,enjoyment[\_n]]

gen con\_index=UTILS[5,control[\_n]]

gen tariff=att\_index+sec\_index+rol\_index+enj\_index+con\_index