**Training Workshop in Demographic Estimation**

**Amman, 9-13 December 2012**

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**Practice Session 3**

**Part A**

Examine IUSSP Excel spreadsheet for one-census checks (OT\_DataEvaluation\_Nepal\_0). If you brought your own census data on population age and sex distribution, input them in the spreadsheet and interpret the results.

**Part B**

You are provided with data from the 1982 and 1992 censuses of Zimbabwe. Using these data, make the following calculations:

1. Redistribute the population with unknown age

2. Plot the age and sex distribution for 1982 on one graph, merging the first two age groups into one 5-year age group (0-4). Make a separate plot for the 1992 distribution. Comment on patterns that you see.

3. Calculate and plot age ratios and sex ratios. Comment on patterns that you see.

4. Calculate cohort survival ratios between 1982 and 1992. Plot these survival ratios for males and females on one figure. Comment on patterns that you see.

**Part C**

You are provided with population and death data for El Salvador, females, 1961.

1. Apply the Brass Growth Balance method to these data

2. Discuss the assumptions underlying this method

**Part D**

You are provided with population and death data for South Africa, females

1. Apply the General Growth Balance method to these data, using the provided IUSSP Excel worksheet template (GGB\_South Africa\_males\_0). You’ll need to erase the male data in this template and replace it with the provided female data.

2. Discuss the assumptions underlying this method.

Note: This Excel worksheet can also be used for the Brass growth balance method. For this purpose, simple input the population distribution twice, using the same censuses date each time.