

Hands-on Exercises for Fertility

Please complete all exercises using your country's most recent census data. If the data for any exercise is not available in your country, use data from another country with similar demographic conditions.

1. Children Ever Born (CEB)
 - a. Tabulate children ever born by age group of mother for women aged 15 – 49 as shown in the presentation
 - b. Calculate proportion missing, proportion childless, and average parity (average CEB) for each age group
 - c. If appropriate, apply the El Badry correction to the CEB data, or
 - d. If you do not think the El Badry correction is necessary for your data, explain why
2. Recent births
 - a. Plot sex ratio at birth by age group of mother for births in the last 12 months (or other measure of recent fertility that is available)
 - b. Calculate the ASFRs. Plot the ASFRs and calculate the TFR.
3. Using MortPak FERTPF, implement the P/F method for CEB and recent fertility data
 - a. Compare the TFR derived from this exercise (using the adjustment factor you deem most appropriate), the TFR derived from part (2), and TFR obtained from an outside source (see UN Population Division data provided)
 - b. What are your conclusions about the quality of fertility data from the census?
4. Using the spreadsheet provided, implement the reverse survival method for the estimation of fertility
 - a. Set the input parameters on the “Introduction” worksheet to the appropriate values
 - b. Enter the enumerated populations of children under age 15 (in single years) and women aged 15 – 64 (in 5-year age groups) in the “Method” worksheet
 - c. What are your conclusions about the TFR estimates (presented in the “Method” and “Charts” worksheets)