



Workbook



User Interface Workbook

AP Training

Workbook

Case Study - using DevInfo for Analysis and Decision-Making

Your office has decided to prepare a special report on the current status of women and children in various sub-regions of Asia and the Pacific. You are nominated as the Project Officer to help prepare the report, using DevInfo to search for relevant data and generate the needed tables, graphs and maps. A global database is available containing data from all member countries at the national level. Please use the database *SOWC 2009 Info.mdb* (any version) to perform the following tasks.

Task 1 - Framing analysis

Before you begin, discuss and agree on priority areas/sectors, indicators and variables you should consider in preparing this report. Would it be helpful to look at time series data? Why or why not? Are there other factors to be considered? What would be appropriate and available sources of data for analysis in a regional report?

Using the Home page features

Task 2 - Literacy

First begin with an overview of **female literacy** by regions in Asia. Please use the advanced search options to generate the required data view.

Task 3 - Education

Search for any data on **Net attendance** in primary and secondary education among females in the countries in Asia. Please generate an appropriate data view using the advanced data search option. Consider the value of presenting this data in table, graph or map. Would the presentation change your analysis? What options do you have to present this for meaningful analysis?

Using Data Wizard or Data Query to search for and present data

Task 4 - Economics

Generate a table showing the percent of population below \$1 (PPP) per day in all **countries in the region**, for the most recent time period. Which countries are in the top five in highest percentage?

Task 5 - Demography

Next, create a table depicting the **Total fertility rate** for all countries in the region. Are there any commonalities amongst the countries with the highest total fertility rate and the highest percent of population below \$1 (PPP) per day? For this indicator, are time series data available?

Task 6 - Health

The Health section is interested in creating a graph showing the proportion of population in malaria risk areas using effective malaria prevention measures in all **countries in South Asia**. Please help her use the Data Wizard to quickly create a bar graph showing the status. Sort the



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bars to identify the countries arranged from lowest data value to highest data value . What would be an alternative presentation of data?

Task 7 - Education

Create maps showing the gross enrolment ratio in primary education for both males and females, for all **countries** in the South-East Asia. Please help the section use the Data Wizard to quickly create two maps showing the most recent data for all countries disaggregated by sex. (Hint: change the subgroups and save the maps separately.) What are the points of analysis that come from these maps? Would there be a better presentation of this data? Please prepare at least one alternative.

Task 8 - Health

Search data on the prevalence of underweight (severe) among under-five children in all the countries of **East Asia**. Please create a data view displaying the available data. Are disaggregated data available? What additional indicators would be useful to look at to better understand child health and nutrition in the region?

Task 9 - Nutrition

Create a graph for the countries having **Exclusive breastfeeding** rates less than 10 percent for the most recent data. Decide if it looks better with horizontal or vertical orientation or as a line chart. Sort the data in descending order and add appropriate titles. Use the MS-Excel Chart editing features to add the data label (data value) next to each bar.

Task 10 - Nutrition

Please view data on **nutrition**-related indicators in the database, for the countries of India, Nepal, Bangladesh and Pakistan. How many such indicators are available in the database? Please generate the data view. Is the data disaggregated? If yes, what variables are available and relevant to a report on women and children? How could this data best be presented? Together? Separately? Prepare a visual that effectively presents more than one indicator in a meaningful way.

Task 11 - Labour

Review the available data for **child labour**. Do you see any regional trends, or disparities related to sex? Please create a map showing overall disparities across the Asia region - including where data gaps exist - and a second object that best reflects any disparities related to sex. Consider carefully the map legend and the presentation of the sex disaggregated data.

Synthesis - Open Exercises

Consider what information is missing from the data you've gathered. How could we further improve our analysis? Do you see possibility to do any cross-indicator comparisons (nutrition and enrolment for example)? Prepare additional objects of presentation to make your analysis more complete. Beyond the indicators suggested above, what MDG indicators would be relevant to this report?