

- P25, P50 and P75: The percentiles computed
- P25_SE, P50_SE and P75_SE: The standard error of the computed percentiles
- WEIGHT: The weighting variable used for the analysis
- REPS: The number of replicates used for the analysis
- METHOD: The method of replication used for the analysis
- DATE: The date the analysis was conducted
- TIME: The time the analysis was conducted
- INFILE: data used for the analysis
- SELCRIT: selection criteria used for the analysis

Computing Percentiles of Plausible Values

To compute percentiles of Plausible Values you will need to select “**Percentiles**” from the **Statistic Type** dropdown menu, and under **Plausible Value Options** select “**Use PVs**”.

This analysis type requires the selection of the following variables for the analysis:

Grouping Variables	This is the list of variables that are to be used to define the subgroups. The list can consist of one or more variables. The IDB Analyzer always includes IDCNTRY or its equivalent as the first grouping variable and there should always be at least one grouping variable. If the option “Exclude Missing from Analysis” is checked, only cases that have non-missing values in the grouping variables will be used in the analysis.
Plausible Values	The set of plausible values that will be used for the analysis. You can only compute the percentiles for one set of plausible values at the time.
Percentiles	These are the percentiles that will be calculated from the distribution. These need to be sorted in increasing order, and written with no decimals.
Weight Variable	The sampling weight that will be used in the analysis. The IDB Analyzer automatically selects the appropriate weight and replication variables for the analysis.

As an example, we will compute the percentiles of student achievement scores and their standard errors for each country by gender. The data will be read from the data file **Merged_PIRLS_Data.sav** and the standard errors will be computed based on replicate weights.

The steps in the IDB Analyzer are as follows:

1. Open the Analysis Module of the IDB Analyzer (Start → All Programs → IEA → IDBAnalyzerV3 → IDBAnalyzer).
2. Select the data file named **Merged_PIRLS_Data.sav** that you merged in the previous step.