

- REPS: The number of replicates used for the analysis
- INFILE: data used for the analysis
- SELCRIT: selection criteria used for the analysis

Computing Correlation Coefficients with Plausible Values

To compute correlation coefficients with plausible values, you need to select “**Correlations**” 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.
Analysis Variables	The list of analysis variables that will be used to calculate the correlation coefficients with the plausible value or achievement scores. If you select more than one set of plausible values, it is not necessary to select any analysis variable.
Plausible Values	The plausible values to be used in the analysis. You can select more than one set of plausible values.
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.

In this example, we will compute the correlations between the plausible values for reading for Literary Purpose, Reading for Information Purpose, and the scales “Students like reading” (ASBGSLR) and “Students motivated to read”.

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**.
3. As type of the analysis select **PIRLS (Using Student Weights)**. The weight variable is automatically selected by the software. As this is an example for analysis on student level, the weight TOTWGT is selected by default. Additionally the variance estimation variables are preselected by the software. For the correct weight and variance estimation variables, please refer to the technical documentation specific to the study.
4. From the **Statistic Type** dropdown menu, select **Correlations**. From the **Plausible Values Option** dropdown menu, choose **Use PVs**. Leave the other dropdown menus unchanged. Note that there are two options under the **Missing Data Option** dropdown