

analysis variable(s) between the two groups at each of the performance levels can be calculated.

- Click on the **Analysis Variables** field. Select variables R11F06C, R11F07C and R11F08C from the variable list and move it to the analysis variable field by pressing the right arrow button in this section or by double clicking on the variable name.
 - Proceed to select the **Performance Variable**. For our example we will choose the overall reading plausible values.
 - Specify the cut points in the distribution. For our example, we will use the PIRLS international benchmarks of achievement: 400, 475, 550, and 625. These numbers need to be typed in increasing order separated by spaces. Click on the **Cutpoints** field to add them.
6. The weight variable is automatically defined by the software. As this is an example for analysis on student level, the weight TOTWGT is selected by default. For the correct weight and jackknifing variables, please refer to the technical documentation specific to the study.
 7. Click on the **Define/Modify** button next to **Output Files** and specify the name of the output files. For our example we will use the name “GroupDifferences_wPV”. This filename will be used to create an SPSS file with the syntax to perform the analysis, a set of SPSS and Excel files with the statistics from the analysis, and the SPSS output file with summary statistics from the analysis.
 8. Click on the **Start SPSS** button to create the SPSS syntax file and open it in an SPSS syntax window ready for execution. The syntax file should be executed by opening the **Run** menu of the syntax window and selecting the **All** menu option. Alternatively you can also submit the code for processing with the keystrokes **Ctrl+A** (to select all), followed by **Ctrl+R** (to run the selection). The IDB Analyzer will give a warning if it is about to overwrite an existing file in the specified folder.

Figure 33 shows the IDB Analyzer Setup Screen for this analysis, Figure 34 shows the SPSS Syntax file created by the IDB Analyzer. SPSS output obtained from SPSS, Excel files and SPSS files with the results from the analysis can be found in the [Examples folder](#).

The SPSS output from the analysis displays unweighted and weighted descriptive statistics for all the variables in the analysis, as well as graphics with the results. Error bands presented in the graphics are calculated as 1.96 times the standard error of the estimate.