- Next the independent variables and interactions need to be identified. To activate this section, click into the area of the **Independent Variables** field. Now you will need to select variable ASBG01 as a categorical variable, select "Indicator" under Contrast, and "Default" as your reference category. As your continuous independent variable for the analysis choose ASBGSBS and ASBGERL. For interaction effects select the variable ASBG01 by ASBGSBS. Variables used in the interaction must be first selected as categorical or continuous variables.
- Click on the **Dependent Variable** field. Select variable ASBG08A_r from the variable list and move it to the dependent variable field by pressing the right arrow button in this section or by double clicking on the variable name.

7. 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.
8. 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 "LogisticRegression". 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 (one with model statistics, and one with the logistic regression coefficients), and the SPSS output file with summary statistics from the analysis. The suffixes _Model or _Coef are added to the filename to identify the statistics contained in the corresponding file.
9. 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 29 shows the IDB Analyzer Setup Screen for this analysis, Figure 30 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 logistic regression model, model statistics, and weighted statistics for the predictors and logistic regression coefficients.