

7. **Percentiles:** Computes the score points that separate a given proportion of the distribution of scores by subgroups defined by the grouping variable(s).
8. **Differences by Performance Groups:** Computes the means on an analysis variable by subgroups defined by background variables and performance level. When there are two subgroups within a performance level, it computes significance testing of the difference between these two groups.

When calculating these statistics, the IDB Analyzer has the capability of using any continuous or categorical variable in the database, or make use of scores in the form of plausible values. When using plausible values, the IDB Analyzer generates code that takes into account the multiple imputation methodology in the calculation of the variance for statistics, as it applies to the corresponding study.

All procedures offered within the Analysis Module of the IDB Analyzer make use of appropriate sampling weights and standard errors of the statistics that are computed according to the variance estimation procedure required by the design as it applies to the corresponding study.

Before conducting data analysis with the IDB Analyzer, we recommend you become familiar with the specifics of the study design of interest. Each study has its own Technical Report available online.

### **What's New in the IDB Analyzer (Version 3.2)?**

Version 3.2 of the IDB Analyzer replaces Version 3.1 which will not be available or supported any longer. The following are the main differences between Version 3.1 and Version 3.2.

- The Merge and Analysis Modules have been updated to recognize files from newer studies since Version 3.1 was released.
- Version 3.2 does not run under Windows XP or older operating systems.
- The percentages and means statistics type now includes the calculation of design effects. These are written to the Excel output file.
- You can select more than one plausible value when using the percentages and mean statistics type.
- The linear regression module has been modified to allow for multiple categorical variables as independent variables. The IDB Analyzer will either dummy or effect code each of the categorical variables entered in the equation. You can also combine categorical and continuous variables as independent variables.
- Logistic regression was added. It includes multiple options for creating contrast variables for categorical variables as well as entering interaction effects in the analysis.<sup>10</sup>
- Group differences by performance groups statistic type was added.
- SPSS dynamic tables output is now saved to an external file.

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<sup>10</sup> To conduct Logistic Regression analysis you will need to have access to the Logistic Regression module in SPSS. This is not part of the SPSS Base package.