

The columns in the “\_Coef” Excel file and SPSS dataset are the following:

- Grouping Variables: Grouping variables used in defining the groups in the analysis (only IDCNTRY in this case)
- EQVAR: Variables included in the linear regression equation
- B: Linear regression coefficients (constant for the model and coefficients for each variable in the equation)
- BETA: Standardized linear regression coefficients
- B.SE: Standard errors for the linear regression coefficients
- BETA.SE: Standard errors for the standardized linear regression coefficients
- B.T: t-statistics for the linear regression coefficients
- BETA.T: t-statistics for the standardized linear regression coefficients
- XVAR: The name of the independent variables in the analysis
- DVAR: The name of the dependent variable in the analysis
- WEIGHT: The weighting variable used for the analysis
- METHOD: The method of replication used for the analysis
- MISSOPTN: Whether pairwise, listwise or mean substitution was used to deal with missing data
- DATE: The date the analysis was conducted
- TIME: The time the analysis was conducted
- REPS: The number of replicates used for the analysis
- INFILE: data used for the analysis
- SELCRIT: selection criteria used for the analysis

### **Computing Linear Regression Coefficients with Plausible Values**

To compute linear regression statistics with variables that include plausible values, you need to select “**Linear Regression**” from the **Statistic Type** dropdown menu, and under **Plausible Value Options** select “**Use PVs**”. When selecting “**Use PVs**”, you must select at least one set of plausible values for your dependent or independent variable list. Appendix C describes additional uses and interpretation of linear regression coefficients when using dummy and effect coded variables.

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

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| 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. This is the default option. |
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