

International Data Base (IDB) Analyzer Demonstration

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The International Association for the Evaluation of Educational Achievement (IEA) has developed an SPSS plug-in known as the International Data Base (IDB) Analyzer that enables the correct analysis of IEA Survey data. The program is targeted for applied substantive researchers who wish to answer research questions employing data from IEA international assessments such as TIMSS, PIRLS. In this two hour session we will introduce, and demonstrate the two main modules of the IDB analyzer.

The first module can be used to merge TIMSS and PIRLS student, teacher and school level data files from various countries and prepare them for analysis. The second module allows for various analyses. It can be used to calculate appropriate standard errors, means of background variables and student achievement scores as well as to calculate regressions on both types of variables. The IDB analyzer is important to researchers because the algorithms implemented in SPSS by default will lead to wrong estimates of the standard errors. The analyzer, therefore, is a user friendly tool for researchers interested in secondary analysis of IEA data.