



Agenda
PIAAC International Database Training
May 13 – 15, 2014
Prague, Czech Republic

Instructor:

Eugenio Gonzalez, Educational Testing Service

Tuesday May 13th, 2014

08:30 – 09:00	Registration
09:00 – 10:45	Welcome and Introductions Overview of PIAAC and available data
10:45 – 11:00	Break
11:00 – 12:45	PIAAC Sampling and Assessment Design: Implications for the Analysis
12:45 – 14:00	Lunch
14:00 – 15:30	Review of survey materials and preparation of research question
15:30 – 15:45	Break
15:45 – 17:15	Using the IDB Analyzer to Analyze PIAAC Data



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky.

Wednesday May 14th, 2014

09:00 – 10:45	Evaluating statistical significance
10:45 – 11:00	Break
11:00 – 12:45	Using the PIAAC Data Explorer
12:45 – 14:00	Lunch
14:00 – 15:30	Participants work on their own
15:30 – 15:45	Break
15:45 – 17:15	Participants work on their own

Thursday May 15th, 2014

09:00 – 10:45	Participants work on their own
10:45 – 11:00	Break
11:00 – 13:00	Participants present their work
13:00	Adjourn



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Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky.

The goals of the workshop are to:

1. Familiarize participants with the statistical complexities involved in using international large scale assessment databases such as PIAAC
2. Familiarize participants with the data structure of this international assessment
3. Familiarize participants with software currently available to take into account statistical and data complexities of the PIAAC database
4. Prepare participants to take into account the statistical complexities and complex data structure when using the databases with commercially available software.

This workshop will provide an overview of the structure and contents of PIAAC database, as well as an overview of the main design features of these surveys that are relevant for the analysis of their data. The topics covered will be the following:

- Overview of PIAAC and available data
- Review of the background questionnaires
- Sampling and design issues and implications for the analysis
 - Overview of sampling
 - Sampling variance estimation
 - Assessment Design
 - Principles of item response theory
 - Principles of multiple imputations
 - Estimating sampling variance
- Using the IDB Analyzer to analyze data
 - The Merge Module
 - The Analysis Module
- Using the PIAAC Data Explorer
- Evaluating statistical significance with complex designs
 - Working with independent and dependent samples
 - Working with composite statistics



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