

PIAAC DISTANCE LEARNING DATASET TRAINING (DLDT)

A free online training module provided by the National Center for Education Statistics (NCES)

PIAAC Sample Design, Weights, Variance, and Missing Data - Overview of Module Topics

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Overview of Module Topics

- Target Population
- Sample Design
 - Frame, sampling units, sample size, eligibility criteria, quality standards
- Assessment Design
 - Quality standards, overview, eligibility criteria
- Sampling Weights
 - Non-response and other adjustments, the final weight, and corresponding replicate weights
- Proficiency Estimation: Plausible Values (PVs)
 - Estimation of the statistic and variance using PVs
- Missing Data

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PIAAC Sample Design, Weights, Variance, and Missing Data - Missing Data Codes

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Missing Data Codes

Missing Value Codes in SAS and SPSS Datasets		
	SAS missing value code	SPSS missing value code
Valid skip	.V	9-fill ending with 6 (for e.g., 6, 96, 996, ...)
Don't know	.D	9-fill ending with 7 (for e.g., 7, 97, 997, ...)
Refused	.R	9-fill ending with 8 (for e.g., 8, 98, 998, ...)
Not stated or inferred	.N	9-fill ending with 9 (for e.g., 9, 99, 999, ...)

- More information about missing cases is presented in the module [Considerations for Analysis of PIAAC Data](#)

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Considerations for Analysis of PIAAC Data - Step 1: Selecting Analysis File and Type

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Step 1: Selecting Analysis File and Type

Select your PIAAC data

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Learn more about the **Program for the International Assessment of Adult Competencies (PIAAC)** study.

Find out how to access and use PIAAC analytical tools to achieve accurate results.

Train at your own pace.

The PIAAC Distance Learning Dataset Training includes **5 MODULES**.

MODULE 1. Introduction to the PIAAC (25 minutes)

This module introduces users to PIAAC and provides basic information about the study such as target population, sample design, data collection, publications, and other resources.

MODULE 2. Getting Started with the PIAAC Data (15 minutes)

This module provides an overview of the PIAAC micro-level data files and documentation.

MODULE 3. Data Collected Through the PIAAC (42 minutes)

This module provides a description of PIAAC's main components (BQ and assessment domains), the PIAAC assessment design and assessment items, and the scales and proficiency levels used.

MODULE 4. PIAAC Sample Design, Weights, Variance, and Missing Data (32 minutes)

This module demonstrates how to appropriately use weights, variance estimation procedures, standard error computation, and scaling and plausible values.

MODULE 5. Considerations for Analysis of PIAAC Data (25 minutes)

This module demonstrates how to use the powerful IEA IDB Analyzer for merging and analyzing data.