



Getting Started with the ELS:2002 Data

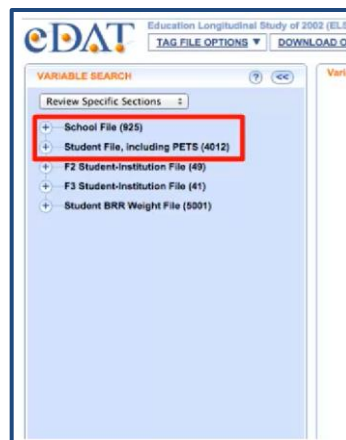
Module Objectives

- Introduce users to the data collected across the data collection rounds of the Education Longitudinal Study of 2002 (ELS:2002)
- Describe the contents of the data files and their variables
- Describe the process of accessing the public-use ELS:2002 data via eDAT
- Describe the process of accessing the restricted-use data via the Electronic Code Book, or ECB
- Provide resources that are available to learn more about the study, the data, and the data file

ELS:2002 Data Files

All public-use data, base year (BY) through third follow-up (F3), are available for download from the [eDAT](#)

- Student-level files
 - Contain questionnaire, composite, and weight variables
 - Contain context variables from parent, school administrators, and teachers
- School-level files
 - Contain questionnaire, composite, and weight variables



ELS:2002 Data Files (Continued)

Some ELS files and variables are not available within eDAT public-use data files and require a restricted-use license

- High school transcripts and school catalog
- Postsecondary Education Transcript Study (PETS)
 - Integrated Postsecondary Education Data System (IPEDS) linked information
- Administrative data files
 - Contain data from Free Application for Federal Student Aid (FAFSA) and National Student Loan Data System (NSLDS)
- Barron's Competitiveness index file
- General Educational Development (GED) testing service file
- Geocode file
- In some cases, NCES creates composite variables of restricted-use data for inclusion in the public-use weights and composites files

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ELS:2002 Variable List

List of All ELS Variables	List of All ELS Data Files	Maps of Data File, School and Student Link IDs
Universe and ID Variables		
Student Level Composites	Student Level Questionnaire Data	Postsecondary Institutions Student Linked Data
BY Weights and Composites	BY Student Questionnaire	F2 Institutions File (Applications, Acceptances, Enrollments, Employment)
F1 Weights and Composites	BY Parent Questionnaire	Student Aid FAFSA Application
F1 Transcript Composites (incl. Transfer Schl IDs)	BY English Teacher Quex	Federal Student Aid Received
F2 Weights and Composites	BY Mathematics Teacher Quex	External Source Postsecondary Student Data (Student Level)
External Source Postsecondary Student Data	BY School Composites	F2.F3 Institution Attendance File
F3 Weights and Composites	BY School Administrator Questionnaire	
PETS, Student Transcript Weights and Composites	BY Library Questionnaire	
School Level Composites	BY Facilities Questionnaire	Postsecondary Institutions IPEDS ID Linked Data
BY School Level Data - By and BY Composites	F1 Student Questionnaire	IPEDS Institutional Data
F1 Composites for BY Schools only	F1 Dropout Questionnaire	Bannon's Competitiveness Index
	F1 Transfer Student Quex	
	F1 Early Graduate Questionnaire	Postsecondary Transcript Data
	F1 New Student Questionnaire	Postsecondary Transcript - Institution File
School Level Questionnaire Data	F1 School Administrator Questionnaire	Postsecondary Transcript - Course File
BY School Admin Questionnaire	F2 Survey (High School)	Postsecondary Transcript - Term File
F1 School Admin Questionnaire (for BY Schools only)	F2 Survey (Postsecondary)	Postsecondary Transcript - Degree/Major File
	F2 Survey (Employment)	Postsecondary Transcript - Test File
	F2 Survey (Community)	Postsecondary Transcript - Student Institution File
School Level External Linked Data	F3 Survey (Current Activities and Education)	
External Source School Data	F3 Survey (Employment History/Future)	General Education Development Test Student-Linked Data
	F3 Survey (Family and Community)	GED Testing Service Data
School Level High School Transcript Data		ELS Geocode Data
High School Transcript School Level File	Balanced Repeated Replication Weights	Census Tract and Block Codes for Residential Address
High School Course Offerings School Level Data	BBR Weights (Student)	
	BBR Weights (School)	
Course Level High School Transcript Data		Maps of Data File Link IDs
High School Transcript Student Course Level Data		Maps of Data File Link IDs

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The ELS:2002 Electronic Code Book (ECB) Description Window

Search Text:

Filter by Section:
 - Applies to variable list (not working tagset)

Variable List: (currently displaying: 4 variables)

Variable Name	Variable Label
BYHUMLANG	Student's native language-composite
BYHOMLANG	Student's home language-composite

Working Tagged: (currently displaying: 3 variables)

Currently Loaded Tagsets: None

Variable Description:

- BYHUMLANG was previously named HOMLANG on the BY QCB.
- On the public use file, native languages were grouped for confidentiality reasons from student questionnaire items BY567 and BY568 to yield the following values: English, Spanish, Other European Language, West/South Asian Language, Pacific Island/Southwest Asian Language, Other language.
- Note: HOMLANG is derived from the unimputed student questionnaire variables BY567, BY568 whereas STLANG includes imputed values for cases in which BY567 was indeterminate.

SAS Code:

```
if BY567=1 then HOMLANG=1; /* English */
else if BY567=2 then HOMLANG=2; /* Spanish */
else if BY568 IN ('AS', 'IS') then HOMLANG=3; /* Other European Language */
else if BY568 IN ('SA', 'SA2', 'SA3') then HOMLANG=4; /* West/South Asian Language */
else if BY568 IN ('SI', 'SI2', 'SI3') then HOMLANG=5; /* Pacific Asian/Southeast Asian Language */
else if BY568 IN ('O') then HOMLANG=6; /* Other */
else HOMLANG=9; /* Missing if a value is not chosen */
Source: ELS2002 Student Questionnaire
```

ELS:2002 Composites

- Types of composite variables available for analysis
 - Combination of data from multiple data sources, such as transcript and instrument data (F2HSSTAT)
 - Combination of data from multiple variables according to some construct (F1SES2)
 - Logically and/or statistically imputed values (F1SEX, F1TXMI1R)
 - Linked data files merged to the student level by STU_ID (F2SWITCH)
 - Recode of verbatim questionnaire responses (F2MAJOR4)
 - Data from survey control system (F2UNIV1)
- The source data for all composite variables is included in the ELS:2002 [data files](#)
- The code to produce the composites, if available, is included in the Electronic Code Book (ECB) or eDAT Description Window

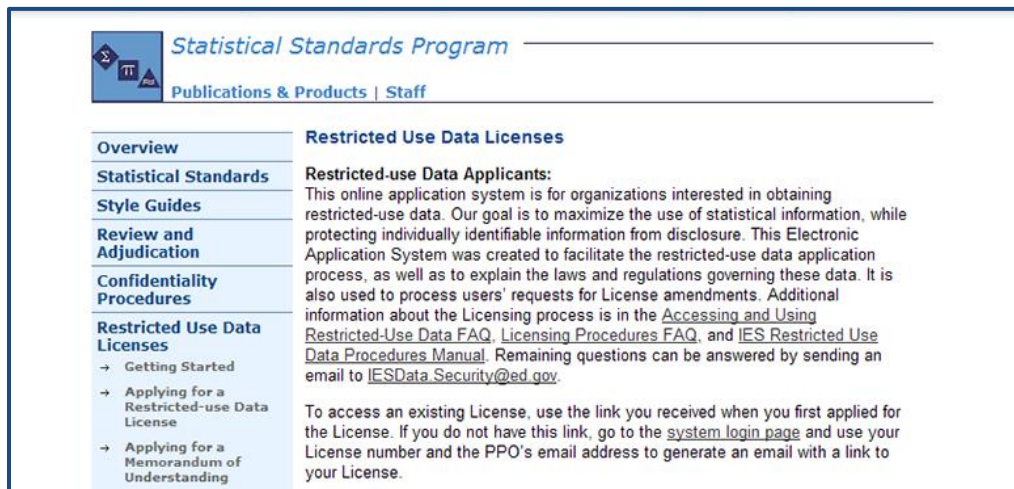
Which data file should I use?

ELS:2002 Base Year to Third Follow-up Data Availability						
	Base Year	First Follow-up	High School transcripts	Second Follow-up	Third Follow-up	Postsecondary transcripts
Year conducted:	2002	2004	2005	2006	2012	2013
Date available:	Now	Now	Now	Now	Now	Now
Restricted-use DVD 2015-035	✓	✓	✓	✓	✓	✓
Public-use (EDAT) 2015-314	✓	✓		✓	✓	Some composite variables available

ELS:2002 Data on CD-ROM, with Electronic Code Book (Restricted-Use)

- These data are available only in the form of an Electronic Codebook (ECB), a Windows application that must be installed on your computer. This ECB performs essentially the same variable selection and analysis file generation functions as the EDAT application.
- Step 1: Obtain a Restricted-use license for the Restricted-use data file: ELS:2002 Base Year to Third Follow-up Postsecondary Transcripts Restricted-use data (NCES 2015-314)
- Step 2: Once a license is granted, the requested data are sent by express mail to the licensee by an IES Security Officer

Restricted-Use ELS:2002 Data



The screenshot shows the 'Statistical Standards Program' website. The header includes the program name and 'Publications & Products | Staff'. A navigation menu on the left lists: Overview, Statistical Standards, Style Guides, Review and Adjudication, Confidentiality Procedures, and Restricted Use Data Licenses. The 'Restricted Use Data Licenses' page content is displayed on the right, featuring a section for 'Restricted-use Data Applicants' with a detailed description of the application system and its goals, and a section for 'Getting Started' with instructions on how to access an existing license.

Statistical Standards Program
Publications & Products | Staff

Overview | **Restricted Use Data Licenses**

Statistical Standards

Style Guides

Review and Adjudication

Confidentiality Procedures

Restricted Use Data Licenses

- Getting Started
- Applying for a Restricted-use Data License
- Applying for a Memorandum of Understanding

Restricted-use Data Applicants:
This online application system is for organizations interested in obtaining restricted-use data. Our goal is to maximize the use of statistical information, while protecting individually identifiable information from disclosure. This Electronic Application System was created to facilitate the restricted-use data application process, as well as to explain the laws and regulations governing these data. It is also used to process users' requests for License amendments. Additional information about the Licensing process is in the [Accessing and Using Restricted-Use Data FAQ](#), [Licensing Procedures FAQ](#), and [IES Restricted Use Data Procedures Manual](#). Remaining questions can be answered by sending an email to IESData.Security@ed.gov.

To access an existing License, use the link you received when you first applied for the License. If you do not have this link, go to the [system login page](#) and use your License number and the PPO's email address to generate an email with a link to your License.

ELS:2002 Weight Variables

- Weights must be used to ensure accurate analysis of ELS data
- Weight variables are found under the Student File within the eDAT
 - Weights and Composites for BY, F1, F2, F3 and PETS variables
 - Files that begin, "Weight Replicates..."
 - ID and Universe Variables

ELS:2002 Reserve Codes

- {-1} Don't know
- {-2} Refused to answer question
- {-3} Item legitimate skip/NA
- {-4} Non-respondent
- {-5} Out of range
- {-6} Multiple response
- {-7} Partial interview breakoff
- {-8} Survey component legitimate skip
- {-9} Missing

ELS:2002 Student-level Analysis Files

- All student-level ELS analysis files will contain the same number of records
- Use the ID and Universe variables to understand the status of sample members across the ELS data collection rounds
- Consider reserve codes carefully as decisions are made regarding recoding missing data

Accessing ELS:2002 Data

- ELS:2002 data are released in two formats
 - eDAT for public-use data
 - Files are output in seven formats
- ECB for restricted-use data (requires a restricted-use license)
 - Files are output in three formats

Module Summary and Resources

Summary

- Introduced users to the data collected across the data collection rounds of the Education Longitudinal Study of 2002 (ELS:2002)
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Resources

- [Education Longitudinal Study of 2002 \(ELS:2002\)](#)
- [eDAT website](#)
- [ELS:2002 Variable List and Available Data page](#)
- [ELS:2002 Data File Documentation](#)
- [Restricted-Use ELS:2002 Data](#)
- [ELS:2002 Sample Design, Weights, Variance, and Missing Data](#)