



**Learn About ANCOVA in SPSS  
With Data From the Early  
Childhood Longitudinal Study  
(1998)**

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# Learn About ANCOVA in SPSS With Data From the Early Childhood Longitudinal Study (1998)

## About This Dataset

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### Data Source Citation

National Center for Education Statistics, United States Department of Education. (2009). *Early Childhood Longitudinal Study, Kindergarten Class of 1998–99 (ECLS-K)* [Data file]. Available from <http://nces.ed.gov/ecls/kindergarten.asp>

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### Full title of originating dataset

Early Childhood Longitudinal Study, Kindergarten Class of 1998–99 (ECLS-K)

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### Data author(s) and affiliations

National Center for Education Statistics, Institute of Education Sciences, United States Department of Education

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### Dataset source website address

<http://nces.ed.gov/ecls/kindergarten.asp>

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### First publication date

2009

## Data Universe

Children entering kindergarten in 1998–99 in the United States

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## Funding sources/suppliers

Administration on Children, Youth and Families (ACYF), U.S. Department of Health and Human Services (HHS)

Economic Research Services (ERS), U.S. Department of Agriculture (USDA)

Office of Special Education Programs (OSEP), U.S. Department of Education

Office of English Language Acquisition (OELA), U.S. Department of Education

Policy and Programs Studies Services, U.S. Department of Education

National Center for Special Education Research (NCSE), IES, U.S. Department of Education

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## Sample/sampling procedures

A multistage probability sample design was employed to select a nationally representative sample of children attending kindergarten from 1998–1999.

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## Data collection dates

1998–1999

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## Unit of analysis

Individual

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## Location covered by data

United States

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## Links to SRM content

- Analysis of covariance (ANCOVA). (2004). In Cramer, D. & Howitt, D. (Eds.), *The SAGE Dictionary of Statistics* (pp. 6–7). London, England: SAGE Publications, Ltd. Retrieved from <http://dx.doi.org/10.4135/9780857020123.n16>
  - Breukelen, G. (2010). Analysis of Covariance (ANCOVA). In N.J. Salkind (Ed.), *Encyclopedia of Research Design* (pp. 21–27). Thousand Oaks, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781412961288.n10>
  - Cortina, J.M. & Nouri, H. (Eds.). (2000). *Effect Size for ANOVA Designs*. Thousand Oaks, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781412984010>
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## List of variables

### **c1r4rscl**

C1 RC4 READING IRT SCALE SCORE

### **c1r4mscl**

C1 RC4 MATH IRT SCALE SCORE

### **c1rgscal**

C1 REC GENERAL KNOWLEDGE IRT  
SCALE SCORE

### **c2r4rscl**

C2 RC4 READING IRT SCALE SCORE

### **c2r4mscl**

C2 RC4 MATH IRT SCALE SCORE

### **c2rgscal**

C2 REC GENERAL KNOWLEDGE IRT  
SCALE SCORE

### **p2income**

P2 PAQ100 TOTAL HOUSEHOLD  
INCOME (\$)

**income1000**

Income in Thousands

**incomecat**

Income Categories