

GENERAL INFORMATION

1. Title of Dataset: QuintLISANordicDataSet

2. Author Information

A. Principal Investigator Contact Information

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3. Description of this dataset

Linking Instruction and Student Achievement in Nordic Schools (LISA Nordic) is a large-scale video study, investigating the quality of teaching in Nordic classrooms. The project is set in lower secondary school (grades 7-9 in Sweden, Denmark and Finland and grades 8 - 10 in Norway and Iceland), targeting instruction in language arts, mathematics, and social science in all the five Nordic countries.

Included data in this dataset: from the project period 2016-2022

PLATO scores and Log data scores (activity format, learning resources, content domain)

Student perception survey scores

Teacher background data

School background data

Videodata

Primary data in Scandinavian languages, some of the videos are transcribed to English

4. Geographic location of data collection: Norway, Iceland, Sweden, Denmark, Finland.

5. Information about funding sources that supported the collection of the data: Quality in Nordic Teaching (QUINT) is a Nordic Centre of Excellence financed by NordForsk under the Nordic programme on educational research, Education for Tomorrow, grant number 87663 and Research Council of Norway, 222620.

SHARING/ACCESS INFORMATION

Licenses/restrictions placed on the data:

Restrictions: These data are available upon request to researchers who fulfill mandatory requirements for access to these data.

List of prerequisites and instructions for applying for access:
<https://www.uv.uio.no/quint/english/projects/lisa-nordic/instructions/>

As some of the data is personal data - for instance the classroom videos, additional regulations and ethical evaluation of use are in place for this data.

Work on personal data can only be done within QUINT approved data storage and work areas.

The use of this data requires citation and acknowledgement in publications. The correct methods of citation and acknowledgement in publications: "Data were (partly) provided by the QUINT Nordic Center of Excellence, funded by NordForsk, project nr.87663 and Research Council of Norway, 222620", if no other agreement has been made with the principal investigator. Publications that cite or use the data must inform the project by the alternate contact (GENERAL INFORMATION 2c).

It is also a requirement to inform the QUINT project by the alternate contact (GENERAL INFORMATION 2c) of all bibliographic details of any published work based on the LISA Nordic data collections and to inform QUINT Administration of any errors discovered in the data collections.

2. Recommended citation for this dataset:

Recommended APA format

Author/Rightsholder. (Year). Title of data set (Version number) [Description of form]. Retrieved from http:// (Online sources)

OR

Author/Rightsholder. (Year). Title of data set (Version number) [Description of form]. Location: Name of producer. (Printed sources)

Examples:

United States Department of Housing and Urban Development. (2008). Indiana income limits [Data file]. Retrieved from http://www.huduser.org/Datasets/IL/IL08/in_fy2008.pdf

United Nations Statistics Division. (2008). Gender Info 2007. [Data file]. Retrieved from <http://data.un.org/Data.aspx?d=GenderStat&f=inID%3a12>

DATA & FILE OVERVIEW

1. Data Description:

- Fifteen folders of video recordings from Finland, Sweden, Norway, Iceland, Denmark 8th grade (Math, Language Arts and Social Science), in total of 560 lessons.
- Fifteens files containing scores from coding videos of typical classroom instruction. One file for each country (Finland, Sweden, Norway, Iceland, Denmark) and for each subject (Math, First Language, Social Science). Each file contains a spreadsheet containing segment level data, which includes scores from the Protocol for Language Arts Teaching Observation (PLATO) rubric scored for each 15 minute segment of the lesson and scores for the grouping structures used in each segment (whole class, small groups, pairs, individual). Each file also includes a spreadsheet with lesson level data that codes the content of instruction. IDs that allow linking across spreadsheets are included.
- Five files containing student-level scores from the TRIPOD student survey. Each file contains three spreadsheets, one for each subject. Each spreadsheet contains one student per row with responses to each TRIPOD item and relevant ID variables in each row. Each file also contains a spreadsheet that matches question variable names to the specific textual question.
- One file containing teacher level data for each teacher in the study. This file contains one spreadsheet for each country. Each spreadsheet has one row for each teacher that includes information on the subject taught, years of experience, gender, age, teaching certification status, teaching credits, and the relevant IDs.
- One file containing school level data for each school in the study. This file contains one spreadsheet for each country. Each spreadsheet contains one row for each school. Each row contains information on the percentage of immigrants, parents' educational levels, school ownership, and the relevant IDs. For some countries, information on school-average test scores is included.
- One codebook file that describes all of the variables in the other files.

2. Relationship between files, if important:

All files are labeled with a unique set of IDs that allow for easy linking of cases across files. The unique IDs, in order from broadest to narrowest, include school IDs, teacher IDs, classroom IDs, lesson IDs, segment IDs, and student IDs. Each data row contains the ID for the specific data element and all IDs that capture the nesting of data. For example, the segment level scores contain segment IDs, but also lesson, classroom, teacher, and school IDs.

METHODOLOGICAL INFORMATION

1. Description of methods used for collection/generation of data:

Klette, Kirsti; Blikstad-Balas, Marte & Roe, Astrid (2017). Linking instruction and student achievement : research design for a new generation of classroom studies. *Acta Didactica Norge*. ISSN 1504-9922. 11(3). doi: 10.5617/adno.4729.

Technical report: <https://www.uv.uio.no/quint/english/projects/lisa-nordic/instructions/>

2. Methods for processing the data:

Technical report: <https://www.uv.uio.no/quint/english/projects/lisa-nordic/instructions/>

3. Instrument- or software-specific information needed to interpret the data: Microsoft Office Packages (Excel, Word or similar) IBM SPSS Statistics, Video player and analyzing software suitable for MPEG video format/MP4.

4. Standards and calibration information, if appropriate:
Coder reliability check for video data.

5. Environmental/experimental conditions:
Data collected in the field

6. Describe any quality-assurance procedures performed on the data:

Relevant Ethical approvals and consent check.
Data coders has been trained on relevant coding procedures.
Rater training information. Coder reliability check for video data.

7. People involved with sample collection, processing, analysis and/or submission:

Principal Investigators

Professor Kirsti Klette
University of Oslo
Department of Teacher Education and School Research

For updated list of project members:
<https://www.uv.uio.no/quint/english/projects/lisa-nordic/>

Administrative and technical staff for the QUINT project, at University of Oslo, Department of Teacher Education and School Research (<http://www.uv.uio.no/ils/english/people/adm/>)

Administrative contact: Maria Dikova
Data manager: Bjørn Sverre Gulheim
Technical advisor: Torgeir Christiansen

DATA-SPECIFIC INFORMATION FOR:

0. BASIS

4 files with dataset information
Codebook - ca 500 cells
SchoolData - ca 500 cells
SegmentsLessons - ca 100 cells
TeacherData - ca 1000 cells
Total ca 2100 cells with information on the code set

1. FOLDERS

5 folders - per country (DK/FI/IS/NO/SE)
15 folders with video recordings from Finland, Sweden, Norway, Iceland, Denmark 8th grade (Math, Language Arts and Social Science), in total of 560 lessons.

2.SHEET

Each country has 4 - Excel sheets

- a) PLATO LA/MA/SO - 3 sheets
- b) SurveyData 1 sheet

3. CONTEXT EXCEL Sheet

- a) 2 categories with ca 3800 cells
- b) 3 categories 5K-10K cells + 2 with 100cells with information on questions

4. CONTENT INFORMAIION

10 classrooms 3 subject (LA/MA/SO) 5 countries (DK/FI/IS/NO/SE)

5.SOFTWARE NEEDED

Instrument- or software-specific information needed to interpret the data: Microsoft Office Packages (Excel, Word or similar) IBM SPSS Statistics, Video player and analyzing software suitable for MPEG video format/MP4