ISSP DataWizard

Computer-assisted Merging and Archiving of Distributed International Comparative Data

Robert Strötgen, IZ, Bonn - Rolf Uher, ZA, Köln
presented at the IASSIST / IFDO Conference,
Amsterdam, May 2001
Merging process

Standard Setup
SPSS

- country 1 setup
  - country 1 data
- country 2 setup
  - country 2 data
- country n setup
  - country n data
# of data-sets to be merged per year

![Bar chart showing the number of data-sets to be merged per year from 1985 to 1998. The number of data-sets increases significantly over the years.](chart.png)
Documents needed for processing

- ISSP basic questionnaire
- standard setup
- standard background variables
- codebooks of earlier ISSP modules
- frequencies of original data
- original questionnaire
- dictionaries
- english documentation
- re-coding documentation
- frequencies of re-coded data
- other sources: internet, statistical yearbooks, ISCO etc.
# of recodes by country
ISSP DataWizard

- maps original with standard setup
- comparative view
- assigns variables and values to standard
- re-codes data to standard
- allows for individual data-processing
- reports steps of processing
Further steps

- prototype testing
- 'real' test with 2000 ISSP data
- preparing DataWizard for external use

possible: introducing further elements of artificial intelligence to check data-quality and plausibility
ISSP DataWizard
Part II: Software Presentation

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Java Application

- Java-Application
  (JDK 1.2/1.3, Swing/JFC)
- Developed using IBM Visual Age
- Platform independent
- Oracle DBMS (via JDBC)
- DBMS independent
- More information:
  http://www.gesis.org/Forschung/Informationstechnologie/ISSPWizard.htm
Management of Modules

Select or create a module for module management.

<table>
<thead>
<tr>
<th>Module Title</th>
<th>Module Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Inequality II</td>
<td>1992</td>
</tr>
<tr>
<td>Environment I</td>
<td>1993</td>
</tr>
<tr>
<td>Family &amp; Changing Gender Roles II</td>
<td>1994</td>
</tr>
<tr>
<td>National Identity</td>
<td>1995</td>
</tr>
<tr>
<td>Role of Government III</td>
<td>1996</td>
</tr>
<tr>
<td>Work Orientations II</td>
<td>1997</td>
</tr>
</tbody>
</table>
Management of Study Descriptions

Study Description (new): Work Orientations II (1997) / Germany

- Title: ISSP Germany: "Work Orientations"
- Principle Investigator: J. Harringa, F. Mochler, ...
- Sample Type: Names and addresses...
- Fieldwork Methods: Mail survey
- Context of ISSP Questionnaire: stand-alone study
- Sample Size: 3,711
- Language(s): DE

Module Titles and Year:
- Social Inequality II: 1992
- Environment I: 1993
- Family & Changing Gender Roles II: 1994
- National Identity: 1995
- Role of Government III: 1996
- Work Orientations II: 1997

Select a module and a country for study management.

Countries:
- Brazil
- Denmark
- Germany
- Great Britain
- Portugal
- Spain
- Venezuela
Management of Setups
Mapping of Modules
Management of Rules
Other Features

• Import/Export: SPSS or DDI XML files
• Complete mapping documentation and concordance reference
• Version for project partners and distributed work on modules in preparation