PRESENTING LONGITUDINAL STUDIES TO END USERS EFFECTIVELY USING DDI METADATA



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This paper is part of a series that focuses on DDI usage and how the metadata specification should be applied in a variety of settings by a variety of organizations and individuals. Support for this working paper series was provided by the authors' home institutions; by GESIS - Leibniz Institute for the Social Sciences; by Schloss Dagstuhl - Leibniz Center for Informatics; and by the DDI Alliance.

PRESENTING LONGITUDINAL STUDIES TO END USERS EFFECTIVELY USING DDI METADATA

A METADATA-DRIVEN APPROACH TO DATA DELIVERY

PROBLEM STATEMENT/DESCRIPTION

Longitudinal studies are complex and present unique challenges in documenting and delivering data to end users on the Web. Data and metadata from longitudinal studies can be presented in a variety of ways, and there are currently no commonly accepted standards for providing information that users need. It is important to assist prospective users in exploiting the longitudinal data resource effectively.

Robust metadata are central to understanding complex longitudinal data systems, and DDI provides a standardized, machine-actionable metadata representation that can be leveraged to make longitudinal data easier to understand and use. Further, DDI metadata can serve as a foundation for implementers creating end-user-oriented interfaces (see the DDI Use Case Paper on "Questasy: Documenting and Disseminating Longitudinal Data Online Using DDI 3" for an example).

Time is of course an important issue for any longitudinal study, but other dimensions like geography, cohorts, and multiple languages may also need to be addressed. Longitudinal data users need to be able to determine the degree of comparability across salient dimensions (see the related paper on harmonization and comparability), and DDI can provide a structured way of presenting information to enable researchers to gauge degree of comparability.

This paper is intended to provide implementers and those delivering longitudinal data with recommendations on how to use DDI most effectively to support the presentation of longitudinal studies, most commonly on the Web, and to describe best practice for structuring DDI instances. In addition, the paper suggests improvements to DDI to better support the unique aspects of longitudinal data.

APPROACH

The approach to this paper was informed from the outset by the quality framework for longitudinal data described by Peter Lynn (see references). Lynn provides six indicators of data quality: relevance, accuracy, timeliness, accessibility, interpretability, and coherence. The three latter indicators were of direct relevance to our investigation.

The paper was built on the foundation provided for a previous Best Practice paper: "Data Discovery and Dissemination: User Perspective."

The authors approached this issue from three directions. First, we reviewed several sites delivering and describing longitudinal data to determine what types of components are generally present and how these components help longitudinal data users understand the data.

Second, we created an Entity Relationship Diagram to model the typology of longitudinal data and transferred much of this information to a table containing important longitudinal data components and their correspondence to DDI elements.

Third, we mapped our findings from the first two exercises to the DDI specification itself and built a sample XML instance to reflect the structure of what needs to be presented for an understanding of the complexities of longitudinal data (see Appendix D for this example).

ASSUMPTIONS

The term "longitudinal data" may be interpreted in a variety of ways; for purposes of this paper, we are defining longitudinal data as repeated observations over time. We have attempted to establish best practices that would capture the essential information for users of panel or cohort studies, and repeated cross-sections.

Another assumption we made was that the end user would like to have a full understanding of the longitudinal study before beginning secondary analysis. Further, we assumed that end users have a continuum of skills and knowledge and that implementers will need to consider various use cases in order to build effective sites and interfaces for their target users.

RECOMMENDATIONS

This section of the paper outlines the best practices that emerged from the above.

Presentation of Longitudinal Data

Our review revealed that, as expected, longitudinal data are presented in a myriad of ways across different Web sites and projects. After surveying several sites offering longitudinal data, we suggest that the following types of information be provided in order to fully inform the end user about the specific properties and complexities of the data being described:

High-level information discussing the characteristics of the study

This information is generally textual in nature and presented in human-readable form. It is intended to be read by the prospective data user prior to investigating the study further and actually downloading data.

- Overview of the study from a substantive point of view, including aims of the study, research questions, and objectives, along with information on individuals and organizations involved with the study and changes in study administration, funding, organizational ownership, etc.

- More specific substantive methodological information including:

- Type of data (panel, cohort, repeated cross-sections)
- Sampling procedures and strategies, including oversamples, sample refreshment, etc.
- Periodicity/frequency of waves or cycles and survey administration
- Single vs. multiple cohort design
- Age(s) of respondents at start of the survey if applicable
- Types of measures repeated over waves and any topical modules specific to certain waves
- Whether the same respondents are linked across waves
- Any known discontinuities (irregularity of data collection by design or not)
- Use of weighting

Functionality

Types of functionality provided vary greatly across sites, but the elements listed below are especially helpful to data users.

- Links between survey instruments and codebooks indicating how variables were created from questions
- Representation of the flow of the instrument and the data collection path
- Presentation of the instrument as originally seen by interviewers along with any interviewer instructions and ancillary materials used in interviewing and links to detailed questionnaires
- Search/browse by topic and by waves
- Subject thesaurus leading to variables and questions matching selected terms, showing in turn which waves they are located in
- Use of a controlled vocabulary related to time periods (periodicity). Expressions of time (e.g., "1997") can be ambiguous as to whether they capture the time of data measurement, collection, release, revision, or other elements of the study being undertaken. Those delivering and presenting longitudinal data should take care to be specific about all time references.
- Questionnaires provided in their original languages, with clear linkage of variables to codebooks or other documentation if those are not available in all languages used in questionnaires
- Variable naming conventions used
- Subsetting capability, e.g., using a 'shopping cart' approach to select variables and cases
- Ability to generate statistical software code for reading in data (if not already subsetted), based on scientifically sound bases for analyses (e.g., balanced vs. non-balanced samples)

Variable-level information

This information is particularly valuable for longitudinal data users.

- Mappings or crosswalks between variables across different dimensions, generally time or waves, indicating item correspondence
- Information on how variables have changed over time in terms of name, label, question wording, response categories, coding, etc.
- Mode of data collection (e.g., phone interview) expressed with each variable in multi-mode studies
- Full information about sources and methodologies behind derived and harmonized variables

In terms of the point about variable naming, we discovered that it is common practice for data managers dealing with longitudinal data to embed semantic meaning in variable names, e.g., representing a wave number as a prefix in variables used in that wave. However, because of the complexity of longitudinal studies, variable names may not be sufficient to express such meanings and any relationships between variables. DDI 3.1 has a *VariableDescription* element that may be used to include documentation on the specific handling of variables in a particular project; DDI 3.2 will add a *DataElement* for this purpose.

Other important information

This information is generally made available in the form of additional links on the site, which may be part of the site navigation.

- Instructions on obtaining data if not available for downloading through the Web site, e.g., restricted data with disclosure risk, biomarker data, etc.
- Visible links to documentation, including codebooks, user guides, questionnaires, etc.
- Links to research publications (bibliography) based on the longitudinal study being presented. This is important for prospective users who will want to do a thorough literature review prior to undertaking their own research.
- Persistent identifiers for the data (Digital Object Identifiers, for example). The need for persistent identifiers for datasets to allow data users to reliably cite them is not specific to longitudinal studies, but gains further urgency because these studies may generate, and present to end users, a considerable variety in size and number of individual datasets. Further, longitudinal data may undergo frequent updating.
- Frequently Asked Questions that provide additional detail about aspects of the study and how to use it effectively

Representing Longitudinal Data in DDI

The above information is presented here in the form of a table along with the DDI elements necessary to document that information. See Appendix A for a DDI XML instance describing some aspects of longitudinal data.

Level	Dimension	Description	DDI Tag(s)
Project/Study (highest level)	Management	Executive control, scientific leadership, funding, etc.	Group *Citation* *Purpose* *Abstract* *FundingInformation* Archive Module *Organization* *Individual* *Role* (research, management, funding, etc.) *Location* *Email* *Telephone*
	Access	How to obtain data and any restrictions on access	Group/Subgroup/StudyUnit Archive Module *AccessConditions* *AccessPermissions* *ConfidentialityStatement* *Restrictions* *LifecycleInformation*
Longitudinal Survey	Sample Design and Procedures	Universe: Population being sampled: Refreshment strategy; Replacement strategy; Potential errors	Group ConceptualComponents *Universe* *Concept* DataCollection *Methodology* *SamplingProcedure* *DeviationFromSampleDesign* *ActionToMinimizeLosses*
	Geography	Geographic regions sampled	Group *Spatial Coverage*
	Periodicity	Pattern of repeated surveys: Start/end dates important in all surveys, but intrinsic to analysis of longitudinal data	DataCollection *DataCollectionDate* *StartDate* *EndDate* *Cycle* *DataCollectionFrequency*

	Type	Cohort, panel, repeated cross-section	DataCollection *TimeMethod*
	Weighting	How weights were developed; how to use weights	DataCollection *Weighting*
	Comparability across rounds	Identify comparable items and degree of comparability	Comparison *Item Map* *Commonality* *Difference*
Round/Cycle (Wave or sweep)	Characteristics of the round	To facilitate comparison with other rounds	Repeat from above, placing the information at the appropriate level (*StudyUnit*, or Subgroup, if using Group for entire project)
		Round identifier	*StudyUnitID*
	Current Sample	Actual attrition (compared to previous round)	StudyUnit/Subgroup DataCollection *SamplingProcedure* *DeviationsFromSamplingDesign* *Weighting* *DataAppraisalInformation* *CollectionSituation*
		Actual replacements	see above
		Actual refreshments	see above
		Representativeness of population	see above
	Mode	How data were collected	DataCollection *ModeOfCollection*
	Collection Date(s)	Date or range of dates for specific wave/round	DataCollection *DataCollectionDate* *StartDate* *EndDate* *Cycle* *DataCollectionFrequency*
	Geography	Geographic regions sampled, if specific to wave	StudyUnit/DataCollection/LogicalProduct *Spatial Coverage*
Instrument	Flow control and item ordering	How respondents were routed through the instrument	DataCollection *QuestionConstruct* *ControlConstruct* *InterviewerInstructions*

Question	Questionnaire item	Granular elements of a question	DataCollection *QuestionItem* *QuestionText* *ConceptReference* *QuestionConstruct* *InterviewerInstructionsReference* *QuestionReference* *AnalysisUnit* *Description* *Label* *UniverseReference* *ResponseUnit*
Data model	Dataset(s)	Persistent identifier(s)	PhysicalInstance *DataFileIdentification*
		Variables containing time info: Round info, date/time of interview, etc.	ConceptualComponent *Concept(s)* LogicalProduct *VariableGroup*(s)
	Record	Longitudinal relationships: Between data tables	LogicalProduct *DataRelationship* *LogicalRecord* *CaseIdentification* *Record Relationship*
	Variable	Derived variable	DataCollection *GenerationInstruction* *SourceVariable*
		Round dependence of variable: Contains data specific to a round vs. data that is part of a history	Round-specific variable: Describe at *StudyUnit*/Round level. Repeated across time variables: Describe at Group/*ResourcePackage* level, reference at *StudyUnit* level.
All levels	Literature references	Publications related to the study; indicate specific relationship	OtherMaterial *Citation* *Relationship*
All levels	Concepts, Universes, Questions, Variables, Organizations, etc.	Information that is repeated or reused	Resource Package

Table 1: Representing Longitudinal Data With DDI Elements

CHALLENGES

The authors found that representing the desired functionality and components for effectively presenting information about longitudinal data in DDI required a thorough knowledge of DDI elements. Some important linkages were determined to be missing and are suggested here as improvements to the DDI specification:

1. The current DDI elements concerning sampling procedure should be extended to allow structured description of the refreshment and replacement strategies for panel studies. In addition to the universe description there should be a sample description that holds all sub-elements for this topic. Showing which sample a respondent belongs to should be enabled through variable references. Also, one should be able to specify in a structured way the relations to other samples.

2. It should be possible to describe actual attrition of a sample under the sample description, together with the reasons for it. Actions to minimize attrition may be described with *ActionToMinimizeLosses* under *DataCollection*.

3. Currently, these attributes at the group level exist: Time; Instrument; Panel; Geography; Datasets; Language. The general type of longitudinal study could also be described at the StudyUnit level. Without grouping, there is now no structured way of stating that the study is a cohort, multi-cohort, panel or repeated cross-section study.

4. There should be a structured way to include descriptions of a round (or wave or cycle) and its specifics. Variables containing round-specific information (respondent belongs to round or date/time) should be referenced by the description of the round/wave. The same should be possible for sample-specific variables.

5. Variables that contain preloads, i.e., information about the respondents from previous rounds, should be marked up in a dataset. That would allow users to distinguish them from variables that contain information from the current round.

SUPPORTING DOCUMENTATION/REFERENCES:

A Hitchhiker's Guide to the World's Household Panel Data Sets. http://iibf.ogu.edu.tr/murat/priv/misc_docs/Guide%20to%20Panel%20Data%20Sets.pdf

Amin, Alerk, with Michelle Edwards, Oliver Hopt, Jannik Jensen, Dan Kristiansen, Olof Olsson, and Joachim Wackerow. "Questasy: Documenting and Disseminating Longitudinal Data Online Using DDI 3." DDI Working Paper Series – Use Cases, No. 1. http://dx.doi.org/10.3886/DDIUseCases01.

Dinkelmann, Karl, Michelle Edwards, Jane Fry, Chuck Humphrey, Ron Nakao, and Wendy Thomas. "Work Flows - Data Discovery and Dissemination: User Perspective." DDI Working Paper Series -- Best Practices, No. 2. http://dx.doi.org/10.3886/DDIBestPractices02.

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Hansen, Sue Ellen, Jeremy Iverson, Uwe Jensen, Hilde Orten, and Johanna Vompras. "Enabling Longitudinal Data Comparison and Harmonization Using DDI." DDI Working Paper Series, Longitudinal Data Best Practices, Number 2, 2011. http://dx.doi.org/10.3886/DDILongitudinal02.

Jensen, Uwe, with Sanda Ionescu, Mari Kleemola, Agostina Martinez, Wendy Thomas, Mary Vardigan, and Wolfgang Zenk-Möltgen "Grouping of Survey Series Using DDI 3." DDI Working Paper Series – Use Cases, No. 6. http://dx.doi.org/10.3886/DDIUseCases06.

Lynn, Peter. A Quality Framework for Longitudinal Studies. http://www.iser.essex.ac.uk/files/ulsc/standards/fra me work/2001-09-26.pdf

APPENDIX A

GLOSSARY

Administrative data	Data collected for the administration of government (or other) programs. Examples include: ▪ Economic data ▪ Educational achievement in public schools ▪ Hospital admissions/discharges/outcomes ▪ Income/sales/property tax records (both personal and business) ▪ Immigration applications/approvals/naturalization records ▪ Social Security records ▪ Unemployment Insurance claims/records ▪ Voting records ▪ Workers compensation (for on-the-job injuries)
Biomarker	The official NIH definition of a biomarker is: "a characteristic that is objectively measured and evaluated as an indicator of normal biologic processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention." Ref: Biomarkers Definitions Working Group: "Biomarkers and Surrogate Endpoints: Preferred Definitions and Conceptual Framework." CLIN PHARMACOL THER 2001;69:89-95. http://www.everythingbio.com/glos/definition.php?ID=3716
Cohort/Event-based	Data collected over time about a group of individuals that are connected in some way or have shared some significant experience within a given period. Examples: birth, disease, education, employment, family formation, participation in an event.
Concordance	Tool or table indicating the presence of the same variable or question over waves of a study.
Continuous panel	Reports from a panel collected on a regular basis.
Continuous time series	Phenomena measured at every instant of time. Examples: lie detectors, electrocardiograms, etc.
Cross-sectional	Data about a population obtained only once.
Cross-sectional ad-hoc followup	Data collected at one point in time to complete information collected in a previous cross-sectional study; the decision to collect follow-up data is not included in the study design.

Data harmonization	Data harmonization is the process of bringing variable-level information into alignment to express comparability. This is often done through mapping across various elements of the variables, including variable name, label, categories, codes, etc.
Data life cycle	The whole course of existence of a set of data, from initial conception to ultimate disposal.
DDI	The Data Documentation Initiative (http://www.ddialliance.org/). Also that organization's metadata specification for the social and behavioral sciences.
Digital Object Identifier (DOI)	A character string used to uniquely identify an electronic document or other object. Metadata about the object is stored in association with the DOI name and this metadata may include a location, such as a URL, where the object can be found. The DOI for a document or dataset is permanent, whereas its location and other metadata may change. Referring to an online document by its DOI provides more stable linking than simply referring to it by its URL, because if its URL changes, the publisher need only update the metadata for the DOI to link to the new URL.
Discrete time series	Measurements taken at (usually regularly) spaced intervals.
DSS / HDSS	Health and Demographic Surveillance Systems (HDSS) for longitudinal monitoring of small-area populations by continuous recording of vital events have been set up in many developing countries. HDSS's are based on a data gathering method comprising an initial census of the resident population, followed by multi-round surveys covering all inhabitants of the area. They thus, provide a geographical and temporal observation window on a locally circumscribed population defined using certain rules of residence. Individuals' life events during their period(s) of residence in the survey area are recorded on an individual basis (the minimum data being births, deaths and migration), but sometimes per household or per residential unit. Examples: macroeconomics (weekly share prices, monthly profits, sales); meteorology (daily rainfall, hourly temperature); measurements of individuals (blood pressure, weight, height); sociology (crime figures, employment figures), etc.
Grouping	A DDI mechanism to clearly document the repurposing of aspects of the initial study and the relationships that exists between each of the component studies in the group. The typical use case involves a series or collection of studies which are related in some way or a group of studies which are being compared. A Group can be comprised of StudyUnits and SubGroups. A standard set of attributes describes the following dimensions for grouping: Time, Instrument, Panel, Geography, Datasets, Language.

Instrument	A specific instrument or tool used to collect data. For survey data, the instrument has traditionally been seen as a questionnaire, but devices used to collect biomedical information, e.g., fMRI scanning devices, can also be viewed as instruments.
Interval panel	Measurements taken only when information is needed.
Longitudinal	Data collected repeatedly over time to study change in a population.
Panel	Data collected over time from, or about, the same sample of respondents.
Published	The DDI attribute isPublished is set to true when the metadata are made available outside of the group of original developers. Published metadata must be versioned.
Register data	Data collected and maintained on individuals and businesses to track vital statistics and other information.
Resource package	A means of packaging any maintainable set of DDI metadata for referencing as part of a study unit or group. A resource package structures materials for publication that are intended to be reused by multiple studies, projects, or communities of users. A resource package uses the group module with an alternative top-level element called Resource Package that is used to describe maintainable modules or schemes that may be used by multiple study units outside of a group.
Retrospective study	A study in which data are collected from recollections of past events.
Surveillance study	A study in which data are collected by systematic observation.
Time series	Data collected repeatedly over time to study change in observations. These are typically "objective" measurements of phenomena that can be observed externally, as opposed to attitudes/opinions or feelings. Examples may include economic/financial indicators, natural/ meteorological phenomena, vital statistics, etc.
Trend/Repeated cross-section	The study of different samples/different groups of people from the same population at several points in time, using the same set of questions/variables. Conclusions are drawn for the population. Examples: public opinion polls, elections studies, etc.
Trials / Interventions	A study involving some sort of experimental action usually in comparison to some control condition.
Versioned	Metadata for which any changes will require an update of the version attribute of the metadata.
Wave	One of a sequence of repeated stages of a study.

APPENDIX B

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Workshop Title:
The Data Documentation Initiative (DDI) Standard : Managing Metadata for Longitudinal Data — Best Practices

Link: http://www.dagstuhl.de/10422

Organizers:
Arofan Gregory (Open Data Foundation, Tucson, Arizona, USA)
Mary Vardigan (Inter-university Consortium for Political and Social Research [ICPSR], University of Michigan, USA)
Joachim Wackerow (GESIS, Leibniz Institute for the Social Sciences, Germany)

Participants in the workshop:

- Christian Bilde Andersen, Danish Data Archive (DDA)
- Randy Banks, Institute for Social and Economic Research (ISER), University of Essex
- Bill Block, Cornell Institute for Social and Economic Research (CISER), Cornell University
- Daniel Bontempo, Life Span Institute, University of Kansas
- Fortunato Castillo, MRC Centre of Epidemiology for Child Health, Institute of Child Health, University College London
- Vicky (Huey-Chi) Chang, Wisconsin Longitudinal Study, University of Wisconsin-Madison
- Benjamin Clark, London School of Hygiene and Tropical Medicine, Tazama Project, Tanzania
- Sue Ellen Hansen, Institute for Social Research, Survey Research Operations, University of Michigan
- Stan Howald, Wisconsin Longitudinal Study, University of Wisconsin-Madison
- Larry Hoyle, Institute for Policy and Social Research, University of Kansas
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- Wolfgang Zenk-Möltgen, GESIS - Leibniz Institute for the Social Sciences

APPENDIX C

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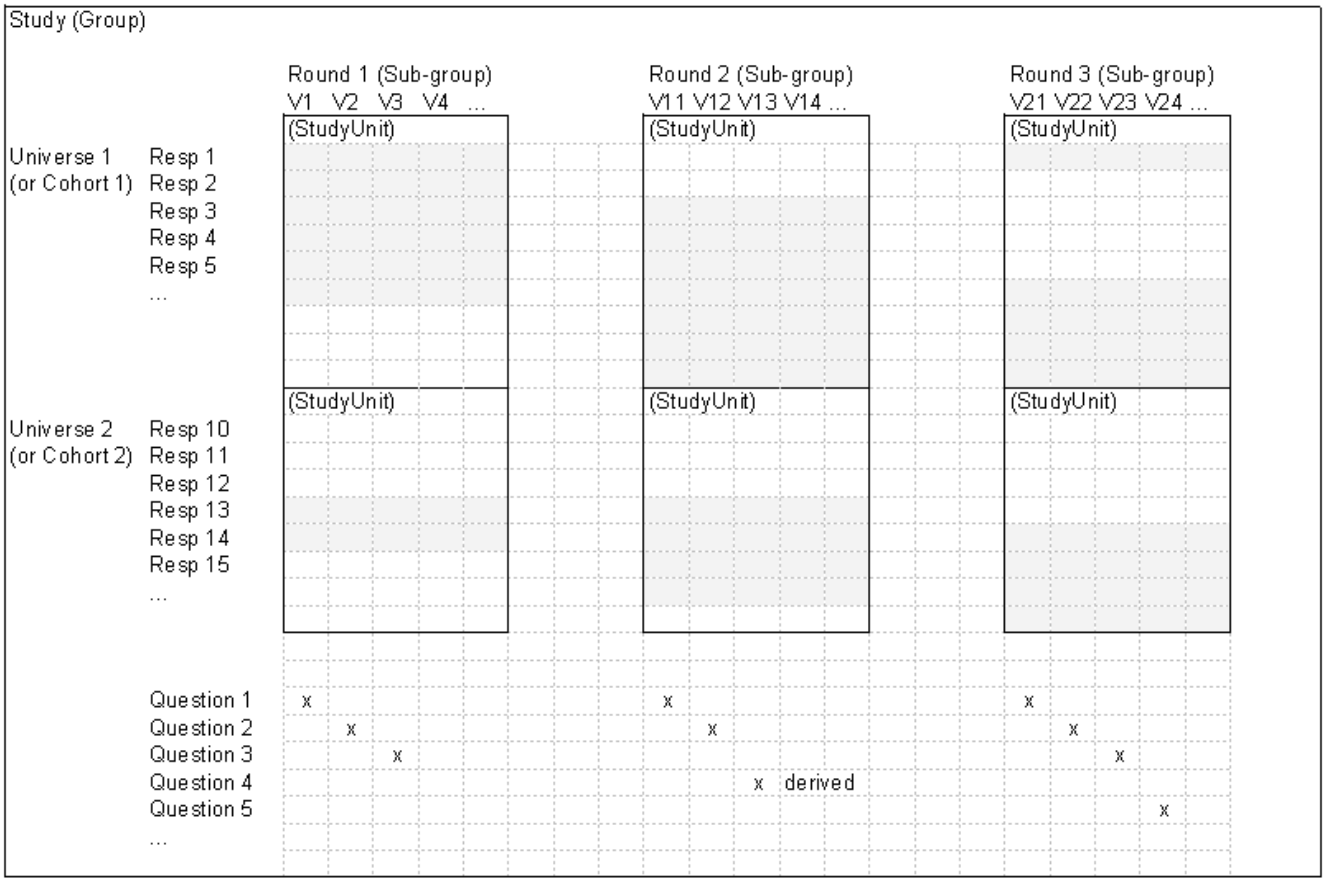
APPENDIX D

DDI EXAMPLE

As an example of longitudinal data markup, we provide here the fictional Dagstuhl Longitudinal Panel Study. The example was created by Wolfgang Zenk-Möltgen and reviewed by Sanda Ionescu.

The approach is that elements that may be re-used in other studies (beyond the example study) must be present in ResourcePackages: Questions, Categories, InterviewerInstructions, CategorySchemes, CodeSchemes, and Organizations and Universes. Common elements within the example study go into the group or subgroup level, and this assumes that they are inherited down to the StudyUnit. Actually, the StudyUnits only contain a reference to different Universes – all the other information is defined at the upper levels. The Variables and the DataCollection time are on the subgroup-level, and the DataCollection methodology and VariableGroups are on the group level.

The structure of the example panel study is shown below:



The coding of DDI elements of this study structure is done within the following DDI structure:

```
<ddi:DDIInstance>
        <g:Group>
                <r:Citation>
                <g:Purpose>
                <r:SeriesStatement>
                <r:UniverseReference>
                <a:Archive>
                <g:DataCollection>
                <g:LogicalProduct>
                <g:SubGroup> Round 1
                        <r:Citation>
                        <g:Purpose>
                        <r:UniverseReference>
                        <a:Archive>
                        <g:DataCollection>
                        <g:LogicalProduct>
                        <g:StudyUnit> Universe 1
                        <g:StudyUnit> Universe 2
                <g:SubGroup> Round 2
                        <r:Citation>
                        <g:Purpose>
                        <r:UniverseReference>
                        <a:Archive>
                        <g:DataCollection>
                        <g:LogicalProduct>
                        <g:StudyUnit> Universe 1
                        <g:StudyUnit> Universe 2
                <g:SubGroup> Round 3
                        <r:Citation>
                        <g:Purpose>
                        <r:UniverseReference>
                        <a:Archive>
                        <g:DataCollection>
                        <g:LogicalProduct>
                        <g:StudyUnit> Universe 1
                        <g:StudyUnit> Universe 2
                <cm:Comparison>
        <g:ResourcePackage> 1: Universes
        <g:ResourcePackage> 2: ControlConstructs and Questions
        <g:ResourcePackage> 3: Organizations
```

Markup Example – Dagstuhl Longitudinal Panel Study

```
<?xml version="1.0" encoding="UTF-16" standalone="no"?>
<ddi:DDIInstance id="gesis_DLPS_Example" agency="gesis.de" version="2.0.0" versionDate="2011-02-28" xmlns:ddi="ddi:instance:3_1"
xmlns:g="ddi:group:3_1" xmlns:s="ddi:studyunit:3_1" xmlns:pd="ddi:physicaldataproduct:3_1" xmlns:pi="ddi:physicalinstance:3_1"
xmlns:c="ddi:conceptualcomponent:3_1" xmlns:l="ddi:logicalproduct:3_1" xmlns:r="ddi:reusable:3_1" xmlns:dc="ddi:datacollection:3_1"
xmlns:cm="ddi:comparative:3_1" xmlns:a="ddi:archive:3_1" xmlns:xhtml="http://www.w3.org/1999/xhtml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="ddi:instance:3_1 http://info1.gesis.org/ddi/3_1/instance.xsd" isPublished="true">
        <!-- Dagstuhl Longitudinal Panel Study                                                    -->
        <!-- This study is a fictive study created as an example panel study for the paper       -->
        <!-- PRESENTING LONGITUDINAL STUDIES TO END USERS EFFECTIVELY USING DDI METADATA         -->
        <!-- By Stefan Kramer, Randy Banks, Vicky Chang, Ingo Sieber, Mary Vardigan, and Wolfgang Zenk-Möltgen  -->
        <!-- Published in the DDI Working Paper Series as Longitudinal Best Practice, No. 4     -->
        <!--                                                                                    -->
        <!-- 2011-02-27                                                                         -->
        <!-- This xml example was created by Wolfgang Zenk-Möltgen and                          -->
        <!-- reviewed by Sanda Ionescu                                                          -->
        <!--                                                                                    -->
        <!--                                                                                    -->
        <!--                                                                                    -->
        <!--                                                                                    -->
        <!-- Group for Dagstuhl Longitudinal Panel Study                                        -->
        <!--                                                                                    -->
        <g:Group id="Gro_0" language="L0" dataSet="D3" panel="P1" geography="G1" instrument="I3" time="T2" isPublished="true" agency="gesis.de"
         version="1.0.0">
                <!-- "L0"  -  No formal relationship - not a factor of grouping  -->
                <!-- "D3"  -  Integration of multiple data sets into a single integrated structure -->
                <!-- "P1"  -  Single panel surveyed multiple times  -->
                <!-- "G1"  -  Single geography surveyed multiple times  -->
                <!-- "I3"  -  Multiple: Base with Topical changes  -->
                <!-- "T2"  -  Multiple Occurrence: Regular Occurrence: Continuing  -->
                <r:Citation>
                        <r:Title>Dagstuhl Longitudinal Panel Study</r:Title>
                </r:Citation>
                <g:Purpose id="Pur_1">
                        <r:Content>Group for Dagstuhl Longitudinal Panel Study (DLPS)</r:Content>
                </g:Purpose>
                <r:SeriesStatement>
                        <r:SeriesName>Dagstuhl Longitudinal Panel Study</r:SeriesName>
                        <r:Abbreviation>DLPS</r:Abbreviation>
                        <r:SeriesDescription>
                        This study is a fictive study created as an example panel study for the paper
                        PRESENTING LONGITUDINAL STUDIES TO END USERS EFFECTIVELY USING DDI METADATA
                        By Stefan Kramer, Randy Banks, Vicky Chang, Ingo Sieber, Mary Vardigan, and Wolfgang Zenk-Möltgen
                        </r:SeriesDescription>
                </r:SeriesStatement>
                <r:UniverseReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P1</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>UniSch_1</r:ID>
                        </r:Scheme>
```

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            <r:ID>Uni_1</r:ID>
            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
            <r:Version>1.0.0</r:Version>
</r:UniverseReference>
<!-- Common archival information for all rounds and universes -->
<a:Archive id="Arc_1">
            <a:ArchiveSpecific>
                        <a:ArchiveOrganizationReference>
                                    <!-- references the Organization in the Resource Package that is the Archive -->
                                    <r:Module>
                                                <r:ID>ResPac_DLPS_P3</r:ID>
                                    </r:Module>
                                    <r:Scheme>
                                                <r:ID>OrgSch_1</r:ID>
                                    </r:Scheme>
                                    <r:ID>Org_4</r:ID>
                                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                    <r:Version>1.0.0</r:Version>
                        </a:ArchiveOrganizationReference>
            </a:ArchiveSpecific>
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                        <a:OrganizationSchemeReference>
                                    <!-- references the Organization Scheme in the Resource Package -->
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                                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                    <r:Version>1.0.0</r:Version>
                        </a:OrganizationSchemeReference>
            </a:OrganizationScheme>
</a:Archive>
<!-- Common Data Collection for all rounds and universes -->
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                        <dc:Methodology id="Met_0">
                                    <dc:DataCollectionMethodology id="DatColMet_1">
                                                <r:Content>Written questionnaire</r:Content>
                                    </dc:DataCollectionMethodology>
                                    <dc:TimeMethod id="TimMet_1">
                                                <r:Content>Letters sent out during one week</r:Content>
                                    </dc:TimeMethod>
                                    <dc:SamplingProcedure id="SamPro_1">
                                                <r:Content>Household sample</r:Content>
                                    </dc:SamplingProcedure>
                                    <dc:DeviationFromSampleDesign id="DevFroSamDes_1">
                                                <r:Content>none</r:Content>
                                    </dc:DeviationFromSampleDesign>
                        </dc:Methodology>
            </dc:DataCollection>
</g:DataCollection>
<!-- Common Variable Groups for all rounds and universes -->
<g:LogicalProduct>
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                                    <l:VariableGroup id="VarGrp_1">
                                                <l:GroupTypeCoded codeListID="Group Type"
                                                codeListAgencyName="DDI">Subject</l:GroupTypeCoded>
```

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        </r:Module>
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                <r:ID>VarSch_1</r:ID>
        </r:Scheme>
        <r:ID>V1</r:ID>
        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
        <r:Version>1.0.0</r:Version>
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        </r:Module>
        <r:Scheme>
                <r:ID>VarSch_1</r:ID>
        </r:Scheme>
        <r:ID>V2</r:ID>
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        <r:Version>1.0.0</r:Version>
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                <r:ID>LogPrd_1</r:ID>
        </r:Module>
        <r:Scheme>
                <r:ID>VarSch_1</r:ID>
        </r:Scheme>
        <r:ID>V3</r:ID>
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        <r:Version>1.0.0</r:Version>
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        </r:Module>
        <r:Scheme>
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        </r:Scheme>
        <r:ID>V11</r:ID>
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        <r:Version>1.0.0</r:Version>
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        </r:Module>
        <r:Scheme>
                <r:ID>VarSch_2</r:ID>
        </r:Scheme>
        <r:ID>V12</r:ID>
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                            <r:ID>VarSch_3</r:ID>
                        </r:Scheme>
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                        <r:Version>1.0.0</r:Version>
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                            <r:ID>LogPrd_3</r:ID>
                        </r:Module>
                        <r:Scheme>
                            <r:ID>VarSch_3</r:ID>
                        </r:Scheme>
                        <r:ID>V22</r:ID>
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                        <r:Version>1.0.0</r:Version>
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                    codeListAgencyName="DDI">Subject</l:GroupTypeCoded>
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                    <l:VariableReference>
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                        </r:Module>
                        <r:Scheme>
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                        <r:Version>1.0.0</r:Version>
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                        </r:Module>
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                            <r:ID>VarSch_2</r:ID>
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                        <r:Version>1.0.0</r:Version>
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        </l:LogicalProduct>
    </g:LogicalProduct>
    <!-- Common Subgroup for round 1 and all universes -->
```

```
<g:SubGroup id="SubGro_1" language="L0" time="T1" panel="P2" dataSet="D3" instrument="I2" geography="G2">
        <!-- "D3"  -  Integration of multiple data sets into a single integrated structure -->
        <!-- "P2"  -  Single panel surveyed once  -->
        <!-- "G2"  -  Single geography surveyed once  -->
        <!-- "I2"  -  Multiple: Integrated set of 2 or more instruments used for different subpopulations  -->
        <!-- "T1"  -  Single Occurrence  -->
        <!-- "L0"  -  No formal relationship - not a factor of grouping  -->
        <r:Citation>
                <r:Title>Dagstuhl Longitudinal Panel Study, Round 1</r:Title>
        </r:Citation>
        <g:Purpose id="Pur_1">
                <r:Content>This Subgroup holds Round 1 of the DLPS with two StudyUnits for the different Universes</r:Content>
        </g:Purpose>
        <r:UniverseReference>
                <r:Module>
                        <r:ID>ResPac_DLPS_P1</r:ID>
                </r:Module>
                <r:Scheme>
                        <r:ID>UniSch_1</r:ID>
                </r:Scheme>
                <r:ID>Uni_1_1</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </r:UniverseReference>
        <a:Archive id="Arc_2">
                <a:ArchiveSpecific>
                        <a:ArchiveOrganizationReference>
                                <!-- references the Organization in the Resource Package that is the Archive -->
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P3</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>OrgSch_1</r:ID>
                                </r:Scheme>
                                <r:ID>Org_4</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </a:ArchiveOrganizationReference>
                </a:ArchiveSpecific>
                <a:OrganizationScheme id="ArcOrgSch_1">
                        <a:OrganizationSchemeReference>
                                <!-- references the Organization Scheme in the Resource Package -->
                                <r:ID>OrgSch_1</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </a:OrganizationSchemeReference>
                </a:OrganizationScheme>
                <r:LifecycleInformation>
                        <r:LifecycleEvent id="LifEve_1">
                                <r:Date>
                                        <r:SimpleDate>1956-11-01</r:SimpleDate>
                                </r:Date>
                                <r:AgencyOrganizationReference>
                                        <!-- references the Organization in the Resource Package -->
                                        <r:Module>
```

```
                                        <r:ID>ResPac_DLPS_P3</r:ID>
                                    </r:Module>
                                    <r:Scheme>
                                        <r:ID>OrgSch_1</r:ID>
                                    </r:Scheme>
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                                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                    <r:Version>1.0.0</r:Version>
                                </r:AgencyOrganizationReference>
                                <r:Description>Study Design</r:Description>
                            </r:LifecycleEvent>
                            <r:LifecycleEvent id="LifEve_2">
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                                    <r:SimpleDate>1956-12-01</r:SimpleDate>
                                </r:Date>
                                <r:AgencyOrganizationReference>
                                    <!-- references the Organization in the Resource Package -->
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                                        <r:ID>ResPac_DLPS_P3</r:ID>
                                    </r:Module>
                                    <r:Scheme>
                                        <r:ID>OrgSch_1</r:ID>
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                                    <r:Version>1.0.0</r:Version>
                                </r:AgencyOrganizationReference>
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                            </r:LifecycleEvent>
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                                        <r:ID>ResPac_DLPS_P3</r:ID>
                                    </r:Module>
                                    <r:Scheme>
                                        <r:ID>OrgSch_1</r:ID>
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                                    <r:ID>Org_4</r:ID>
                                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                    <r:Version>1.0.0</r:Version>
                                </r:AgencyOrganizationReference>
                                <r:Description>Data processing</r:Description>
                            </r:LifecycleEvent>
                        </r:LifecycleInformation>
                    </a:Archive>
                    <!-- specific Data Collection for this round -->
                    <g:DataCollection>
                        <dc:DataCollection id="DatCol_1">
                            <dc:Methodology id="Met_1">
                                <dc:TimeMethod id="TimMet_1">
                                    <r:Content>Letters sent out during two weeks</r:Content>
```

```
                    </dc:TimeMethod>
                </dc:Methodology>
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                        <r:SimpleDate>1957-01</r:SimpleDate>
                    </dc:DataCollectionDate>
                    <dc:DataCollectionFrequency>
                        <r:StartDate>1957-01</r:StartDate>
                        <r:Cycle>1</r:Cycle>
                        <dc:IntendedFrequency>10 years</dc:IntendedFrequency>
                    </dc:DataCollectionFrequency>
                    <dc:ActionToMinimizeLosses id="ActToMinLos_1">
                        <r:Content>Telephone recall</r:Content>
                    </dc:ActionToMinimizeLosses>
                </dc:CollectionEvent>
                <dc:QuestionScheme id="QueSch_1">
                    <dc:QuestionSchemeReference>
                        <!-- refers to QuestionScheme in Resource Package -->
                        <r:ID>QueSch_ResPac1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                        <r:Exclude>
                            <!-- specific elements of the referenced question scheme are excluded here -->
                            <r:ID>QueIte_4</r:ID>
                        </r:Exclude>
                        <r:Exclude>
                            <r:ID>QueIte_5</r:ID>
                        </r:Exclude>
                    </dc:QuestionSchemeReference>
                    <!-- seems to be necessary for a valid xml, but not for content -->
                    <dc:QuestionItem id="QueIte_none1">
                        <dc:NumericDomain type="Count"/>
                    </dc:QuestionItem>
                    <!-- /necessary -->
                </dc:QuestionScheme>
                <dc:Instrument id="Ins_1">
                    <dc:InstrumentName>Written Questionnaire</dc:InstrumentName>
                    <dc:ControlConstructReference>
                        <!-- refers to ControlConstruct in Resource Package -->
                        <r:Module>
                            <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                            <r:ID>ConConSch_1</r:ID>
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                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </dc:ControlConstructReference>
                </dc:Instrument>
            </dc:DataCollection>
        </g:DataCollection>
        <!-- specific Logical Product for this round -->
        <g:LogicalProduct>
            <l:LogicalProduct id="LogPrd_1">
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```
<l:DataRelationship id="DataRel">
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                                <r:Version>1.0.0</r:Version>
                        </l:VariableSchemeReference>
                </l:VariablesInRecord>
        </l:LogicalRecord>
</l:DataRelationship>
<l:VariableScheme id="VarSch_1">
        <l:Variable id="V1">
                <r:UserID type="SPSS Variable Name"> VAR1 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR1: Feel
                good</r:Label>
                <l:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </l:QuestionReference>
                <l:Representation>
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                                <r:CodeSchemeReference>
                                        <r:ID>CodSch_1</r:ID>
                                </r:CodeSchemeReference>
                        </l:CodeRepresentation>
                </l:Representation>
        </l:Variable>
        <l:Variable id="V2">
                <r:UserID type="SPSS Variable Name"> VAR2 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR2: Felt good
                yesterday</r:Label>
                <l:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
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                        <r:Version>1.0.0</r:Version>
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                                </r:CodeSchemeReference>
```

```
                                        </l:CodeRepresentation>
                                    </l:Representation>
                                </l:Variable>
                                <l:Variable id="V3">
                                    <r:UserID type="SPSS Variable Name"> VAR3 </r:UserID>
                                    <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR3: Feel good
                                    tomorrow</r:Label>
                                    <l:QuestionReference>
                                        <r:Module>
                                            <r:ID>ResPac_DLPS_P2</r:ID>
                                        </r:Module>
                                        <r:Scheme>
                                            <r:ID>QueSch_ResPac1</r:ID>
                                        </r:Scheme>
                                        <r:ID>QueIte_3</r:ID>
                                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                        <r:Version>1.0.0</r:Version>
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                                    </l:Representation>
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                            </l:VariableScheme>
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                    </g:LogicalProduct>
                    <!-- specific StudyUnit for this round, universe 1 -->
                    <g:StudyUnit>
                        <s:StudyUnit id="StuUni_1">
                            <r:UserID type="DDI Study Number">DDI_DLPS1</r:UserID>
                            <r:Citation>
                                <r:Title>Dagstuhl Longitudinal Panel Study, Round 1, Universe 1: Dagstuhl Graduates
                                1957</r:Title>
                            </r:Citation>
                            <s:Abstract id="Abs_1">
                                <r:Content>study description</r:Content>
                            </s:Abstract>
                            <r:UniverseReference>
                                <!-- this refers to the Universe in the Resource Package -->
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                                    <r:Version>1.0.0</r:Version>
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                                    <r:Version>1.0.0</r:Version>
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                                <r:Version>1.0.0</r:Version>
```

```
                        </r:UniverseReference>
                        <s:Purpose id="Pur_1">
                                <r:Content>This is Round 1 of DLPS, Universe 1</r:Content>
                        </s:Purpose>
                </s:StudyUnit>
        </g:StudyUnit>
        <!-- specific StudyUnit for this round, universe 2 -->
        <g:StudyUnit>
                <s:StudyUnit id="StuUni_2">
                        <r:UserID type="DDI Study Number">DDI_DLPS2</r:UserID>
                        <r:Citation>
                                <r:Title>Dagstuhl Longitudinal Panel Study, Round 1, Universe 2: Siblings of Dagstuhl Graduates
                                1957</r:Title>
                        </r:Citation>
                        <s:Abstract id="Abs_2">
                                <r:Content>study description</r:Content>
                        </s:Abstract>
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                                <!-- this refers to the Universe in the Resource Package -->
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                                        <r:Version>1.0.0</r:Version>
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                                <r:Scheme>
                                        <r:ID>UniSch_1</r:ID>
                                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                        <r:Version>1.0.0</r:Version>
                                </r:Scheme>
                                <r:ID>Uni_1_1_2</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </r:UniverseReference>
                        <s:Purpose id="Pur_2">
                                <r:Content>This is Round 1 of DLPS, Universe 2</r:Content>
                        </s:Purpose>
                </s:StudyUnit>
        </g:StudyUnit>
</g:SubGroup>
<!-- Common Subgroup for round 2 and all universes -->
<g:SubGroup id="SubGro_2" language="L0" time="T1" panel="P2" dataSet="D3" instrument="I2" geography="G2">
        <!-- "D3"  -  Integration of multiple data sets into a single integrated structure -->
        <!-- "P2"  -  Single panel surveyed once  -->
        <!-- "G2"  -  Single geography surveyed once  -->
        <!-- "I2"  -  Multiple: Integrated set of 2 or more instruments used for different subpopulations  -->
        <!-- "T1"  -  Single Occurrence  -->
        <!-- "L0"  -  No formal relationship - not a factor of grouping  -->
        <r:Citation>
                <r:Title>Dagstuhl Longitudinal Panel Study, Round 2</r:Title>
        </r:Citation>
        <g:Purpose id="Pur_2">
                <r:Content>This Subgroup holds Round 2 of the DLPS with two StudyUnits for the different Universes</r:Content>
        </g:Purpose>
        <r:UniverseReference>
                <r:Module>
```

```
                    <r:ID>ResPac_DLPS_P1</r:ID>
                </r:Module>
                <r:Scheme>
                    <r:ID>UniSch_1</r:ID>
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                <r:Version>1.0.0</r:Version>
            </r:UniverseReference>
            <a:Archive id="Arc_3">
                <a:ArchiveSpecific>
                    <a:ArchiveOrganizationReference>
                        <!-- references the Organization in the Resource Package that is the Archive -->
                        <r:Module>
                            <r:ID>ResPac_DLPS_P3</r:ID>
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                        <r:Scheme>
                            <r:ID>OrgSch_1</r:ID>
                        </r:Scheme>
                        <r:ID>Org_4</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </a:ArchiveOrganizationReference>
                </a:ArchiveSpecific>
                <a:OrganizationScheme id="ArcOrgSch_1">
                    <a:OrganizationSchemeReference>
                        <!-- references the Organization Scheme in the Resource Package -->
                        <r:ID>OrgSch_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </a:OrganizationSchemeReference>
                </a:OrganizationScheme>
                <r:LifecycleInformation>
                    <r:LifecycleEvent id="LifEve_1">
                        <r:Date>
                            <r:SimpleDate>1966-11-01</r:SimpleDate>
                        </r:Date>
                        <r:AgencyOrganizationReference>
                            <!-- references the Organization in the Resource Package -->
                            <r:Module>
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                            <r:Scheme>
                                <r:ID>OrgSch_1</r:ID>
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                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                        </r:AgencyOrganizationReference>
                        <r:Description>Study Design</r:Description>
                    </r:LifecycleEvent>
                    <r:LifecycleEvent id="LifEve_2">
                        <r:Date>
                            <r:SimpleDate>1966-12-01</r:SimpleDate>
                        </r:Date>
```

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                        <r:AgencyOrganizationReference>
                            <!-- references the Organization in the Resource Package -->
                            <r:Module>
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                            </r:Module>
                            <r:Scheme>
                                <r:ID>OrgSch_1</r:ID>
                            </r:Scheme>
                            <r:ID>Org_4</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                        </r:AgencyOrganizationReference>
                        <r:Description>Instrument design</r:Description>
                    </r:LifecycleEvent>
                    <r:LifecycleEvent id="LifEve_3">
                        <r:Date>
                            <r:SimpleDate>1967-05-01</r:SimpleDate>
                        </r:Date>
                        <r:AgencyOrganizationReference>
                            <!-- references the Organization in the Resource Package -->
                            <r:Module>
                                <r:ID>ResPac_DLPS_P3</r:ID>
                            </r:Module>
                            <r:Scheme>
                                <r:ID>OrgSch_1</r:ID>
                            </r:Scheme>
                            <r:ID>Org_4</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                        </r:AgencyOrganizationReference>
                        <r:Description>Data processing</r:Description>
                    </r:LifecycleEvent>
                </r:LifecycleInformation>
            </a:Archive>
            <!-- specific Data Collection for this round -->
            <g:DataCollection>
                <dc:DataCollection id="DatCol_2">
                    <dc:Methodology id="Met_2">
                        <dc:TimeMethod id="TimMet_1">
                            <r:Content>Letters sent out during one day</r:Content>
                        </dc:TimeMethod>
                    </dc:Methodology>
                    <dc:CollectionEvent id="ColEve_2">
                        <dc:DataCollectionDate>
                            <r:SimpleDate>1967-01</r:SimpleDate>
                        </dc:DataCollectionDate>
                        <dc:DataCollectionFrequency>
                            <r:StartDate>1967-01</r:StartDate>
                            <r:Cycle>1</r:Cycle>
                            <dc:IntendedFrequency>10 years</dc:IntendedFrequency>
                        </dc:DataCollectionFrequency>
                        <dc:ActionToMinimizeLosses id="ActToMinLos_1">
                            <r:Content>Telephone recall</r:Content>
                        </dc:ActionToMinimizeLosses>
                    </dc:CollectionEvent>
```

```
<dc:QuestionScheme id="QueSch_2">
        <dc:QuestionSchemeReference>
                <!-- refers to QuestionScheme in Resource Package -->
                <r:ID>QueSch_ResPac1</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
                <r:Exclude>
                        <!-- specific elements of the referenced question scheme are excluded here -->
                        <r:ID>QueIte_3</r:ID>
                </r:Exclude>
                <r:Exclude>
                        <r:ID>QueIte_5</r:ID>
                </r:Exclude>
        </dc:QuestionSchemeReference>
        <!-- seems to be necessary for a valid xml, but not for content -->
        <dc:QuestionItem id="QueIte_none2">
                <dc:NumericDomain type="Count"/>
        </dc:QuestionItem>
        <!-- /necessary -->
</dc:QuestionScheme>
<dc:Instrument id="Ins_2">
        <dc:InstrumentName>Written Questionnaire</dc:InstrumentName>
        <dc:ControlConstructReference>
                <!-- refers to ControlConstruct in Resource Package -->
                <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                        <r:ID>ConConSch_1</r:ID>
                </r:Scheme>
                <r:ID>Seq_2</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </dc:ControlConstructReference>
</dc:Instrument>
<dc:ProcessingEvent id="ProEve_2">
        <dc:Coding id="Cod_1">
                <!-- Coding Instruction is referenced by constructed variable V14-->
                <dc:GenerationInstruction>
                        <dc:SourceVariable>
                                <r:Module>
                                        <r:ID>LogPrd_2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>VarSch_2</r:ID>
                                </r:Scheme>
                                <r:ID>V13</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </dc:SourceVariable>
                        <r:Description>Make Quartiles</r:Description>
                        <r:Command>
                                <r:CommandText>Analyze quartiles of source variable and code
                        target variable into 4 groups, e.g.:
                        FREQUENCIES VARIABLES=V1 /NTILES=4.</r:CommandText>
```

```
                                        </r:Command>
                                    </dc:GenerationInstruction>
                                </dc:Coding>
                            </dc:ProcessingEvent>
                        </dc:DataCollection>
                    </g:DataCollection>
                    <!-- specific Logical Product for this round -->
                    <g:LogicalProduct>
                        <l:LogicalProduct id="LogPrd_2">
                            <l:DataRelationship id="DataRel">
                                <l:LogicalRecord hasLocator="false" id="LogRec_1">
                                    <l:VariablesInRecord allVariablesInLogicalProduct="true">
                                        <l:VariableSchemeReference>
                                            <r:ID>VarSch_2</r:ID>
                                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                            <r:Version>1.0.0</r:Version>
                                        </l:VariableSchemeReference>
                                    </l:VariablesInRecord>
                                </l:LogicalRecord>
                            </l:DataRelationship>
                            <l:VariableScheme id="VarSch_2">
                                <l:Variable id="V11">
                                    <r:UserID type="SPSS Variable Name"> VAR11 </r:UserID>
                                    <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR11: Feel
                                    good</r:Label>
                                    <l:QuestionReference>
                                        <r:Module>
                                            <r:ID>ResPac_DLPS_P2</r:ID>
                                        </r:Module>
                                        <r:Scheme>
                                            <r:ID>QueSch_ResPac1</r:ID>
                                        </r:Scheme>
                                        <r:ID>QueIte_1</r:ID>
                                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                        <r:Version>1.0.0</r:Version>
                                    </l:QuestionReference>
                                    <l:Representation>
                                        <l:CodeRepresentation>
                                            <r:CodeSchemeReference>
                                                <r:ID>CodSch_1</r:ID>
                                            </r:CodeSchemeReference>
                                        </l:CodeRepresentation>
                                    </l:Representation>
                                </l:Variable>
                                <l:Variable id="V12">
                                    <r:UserID type="SPSS Variable Name"> VAR12 </r:UserID>
                                    <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR12: Felt good
                                    yesterday</r:Label>
                                    <l:QuestionReference>
                                        <r:Module>
                                            <r:ID>ResPac_DLPS_P2</r:ID>
                                        </r:Module>
                                        <r:Scheme>
                                            <r:ID>QueSch_ResPac1</r:ID>
                                        </r:Scheme>
```

```
                    <r:ID>QueIte_2</r:ID>
                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                    <r:Version>1.0.0</r:Version>
                </l:QuestionReference>
                <l:Representation>
                    <l:CodeRepresentation>
                        <r:CodeSchemeReference>
                            <r:ID>CodSch_1</r:ID>
                        </r:CodeSchemeReference>
                    </l:CodeRepresentation>
                </l:Representation>
            </l:Variable>
            <l:Variable id="V13">
                <r:UserID type="SPSS Variable Name"> VAR13 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR13: Age
                categorized</r:Label>
                <l:QuestionReference>
                    <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
                    </r:Module>
                    <r:Scheme>
                        <r:ID>QueSch_ResPac1</r:ID>
                    </r:Scheme>
                    <r:ID>QueIte_4</r:ID>
                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                    <r:Version>1.0.0</r:Version>
                </l:QuestionReference>
                <l:Representation>
                    <l:CodeRepresentation>
                        <r:CodeSchemeReference>
                            <r:ID>CodSch_2</r:ID>
                        </r:CodeSchemeReference>
                    </l:CodeRepresentation>
                </l:Representation>
            </l:Variable>
            <l:Variable id="V14">
                <r:UserID type="SPSS Variable Name"> VAR14 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR14: Age in
                quartiles</r:Label>
                <l:Representation>
                    <l:CodingInstructionsReference>
                        <!-- references Coding under Processing Event: make quartiles-->
                        <r:Module>
                            <r:ID>DatCol_2</r:ID>
                        </r:Module>
                        <r:ID>Cod_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </l:CodingInstructionsReference>
                    <l:CodeRepresentation>
                        <r:CodeSchemeReference>
                            <r:ID>CodSch_3</r:ID>
                        </r:CodeSchemeReference>
                    </l:CodeRepresentation>
                </l:Representation>
```

```
                    </l:Variable>
                </l:VariableScheme>
            </l:LogicalProduct>
        </g:LogicalProduct>
        <!-- specific StudyUnit for this round, universe 1 -->
        <g:StudyUnit>
            <s:StudyUnit id="StuUni_3">
                <r:UserID type="DDI Study Number">DDI_DLPS3</r:UserID>
                <r:Citation>
                    <r:Title>Dagstuhl Longitudinal Panel Study, Round 2, Universe 1: Dagstuhl Graduates
                    1967</r:Title>
                </r:Citation>
                <s:Abstract id="Abs_1">
                    <r:Content>study description</r:Content>
                </s:Abstract>
                <r:UniverseReference>
                    <!-- this refers to the Universe in the Resource Package -->
                    <r:Module>
                        <r:ID>ResPac_DLPS_P1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </r:Module>
                    <r:Scheme>
                        <r:ID>UniSch_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </r:Scheme>
                    <r:ID>Uni_1_2_1</r:ID>
                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                    <r:Version>1.0.0</r:Version>
                </r:UniverseReference>
                <s:Purpose id="Pur_1">
                    <r:Content>This is Round 2 of DLPS, Universe 1</r:Content>
                </s:Purpose>
            </s:StudyUnit>
        </g:StudyUnit>
        <!-- specific StudyUnit for this round, universe 2 -->
        <g:StudyUnit>
            <s:StudyUnit id="StuUni_4">
                <r:UserID type="DDI Study Number">DDI_DLPS4</r:UserID>
                <r:Citation>
                    <r:Title>Dagstuhl Longitudinal Panel Study, Round 2, Universe 2: Siblings of Dagstuhl Graduates
                    1967</r:Title>
                </r:Citation>
                <s:Abstract id="Abs_1">
                    <r:Content>study description</r:Content>
                </s:Abstract>
                <r:UniverseReference>
                    <!-- this refers to the Universe in the Resource Package -->
                    <r:Module>
                        <r:ID>ResPac_DLPS_P1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </r:Module>
                    <r:Scheme>
```

```
                                        <r:ID>UniSch_1</r:ID>
                                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                        <r:Version>1.0.0</r:Version>
                                </r:Scheme>
                                <r:ID>Uni_1_2_2</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </r:UniverseReference>
                        <s:Purpose id="Pur_1">
                                <r:Content>This is Round 2 of DLPS, Universe 2</r:Content>
                        </s:Purpose>
                </s:StudyUnit>
        </g:StudyUnit>
</g:SubGroup>
<!-- Common Subgroup for round 3 and all universes -->
<g:SubGroup id="SubGro_3" language="L0" time="T1" panel="P2" dataSet="D3" instrument="I2" geography="G2">
        <!-- "D3"  -  Integration of multiple data sets into a single integrated structure -->
        <!-- "P2"  -  Single panel surveyed once  -->
        <!-- "G2"  -  Single geography surveyed once  -->
        <!-- "I2"  -  Multiple: Integrated set of 2 or more instruments used for different subpopulations  -->
        <!-- "T1"  -  Single Occurrence  -->
        <!-- "L0"  -  No formal relationship - not a factor of grouping  -->
        <r:Citation>
                <r:Title>Dagstuhl Longitudinal Panel Study, Round 3</r:Title>
        </r:Citation>
        <g:Purpose id="Pur_3">
                <r:Content>This Subgroup holds Round 3 of the DLPS with two StudyUnits for the different Universes</r:Content>
        </g:Purpose>
        <r:UniverseReference>
                <r:Module>
                        <r:ID>ResPac_DLPS_P1</r:ID>
                </r:Module>
                <r:Scheme>
                        <r:ID>UniSch_1</r:ID>
                </r:Scheme>
                <r:ID>Uni_1_3</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </r:UniverseReference>
        <!-- specific Data Collection for this round -->
        <g:DataCollection>
                <dc:DataCollection id="DatCol_3">
                        <dc:Methodology id="Met_3">
                                <dc:TimeMethod id="TimMet_1">
                                        <r:Content>Letters sent out during three days</r:Content>
                                </dc:TimeMethod>
                        </dc:Methodology>
                        <dc:CollectionEvent id="ColEve_3">
                                <dc:DataCollectionDate>
                                        <r:SimpleDate>1977-01</r:SimpleDate>
                                </dc:DataCollectionDate>
                                <dc:DataCollectionFrequency>
                                        <r:StartDate>1977-01</r:StartDate>
                                        <r:Cycle>1</r:Cycle>
                                        <dc:IntendedFrequency>10 years</dc:IntendedFrequency>
```

```
                    </dc:DataCollectionFrequency>
                    <dc:ActionToMinimizeLosses id="ActToMinLos_1">
                        <r:Content>Telephone recall</r:Content>
                    </dc:ActionToMinimizeLosses>
                </dc:CollectionEvent>
                <dc:QuestionScheme id="QueSch_3">
                    <dc:QuestionSchemeReference>
                        <!-- refers to QuestionScheme in Resource Package -->
                        <r:ID>QueSch_ResPac1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                        <r:Exclude>
                            <!-- specific elements of the referenced question scheme are excluded here -->
                            <r:ID>QueIte_3</r:ID>
                        </r:Exclude>
                        <r:Exclude>
                            <r:ID>QueIte_4</r:ID>
                        </r:Exclude>
                    </dc:QuestionSchemeReference>
                    <!-- seems to be necessary for a valid xml, but not for content -->
                    <dc:QuestionItem id="QueIte_none3">
                        <dc:NumericDomain type="Count"/>
                    </dc:QuestionItem>
                    <!-- /necessary -->
                </dc:QuestionScheme>
                <dc:Instrument id="Ins_3">
                    <dc:InstrumentName>Written Questionnaire</dc:InstrumentName>
                    <dc:ControlConstructReference>
                        <!-- refers to ControlConstruct in Resource Package -->
                        <r:Module>
                            <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                            <r:ID>ConConSch_1</r:ID>
                        </r:Scheme>
                        <r:ID>Seq_3</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </dc:ControlConstructReference>
                </dc:Instrument>
            </dc:DataCollection>
        </g:DataCollection>
        <!-- specific Logical Product for this round -->
        <g:LogicalProduct>
            <l:LogicalProduct id="LogPrd_3">
                <l:DataRelationship id="DataRel">
                    <l:LogicalRecord hasLocator="false" id="LogRec_1">
                        <l:VariablesInRecord allVariablesInLogicalProduct="true">
                            <l:VariableSchemeReference>
                                <r:ID>VarSch_3</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                            </l:VariableSchemeReference>
                        </l:VariablesInRecord>
                    </l:LogicalRecord>
```

```
</l:DataRelationship>
<l:VariableScheme id="VarSch_3">
        <l:Variable id="V21">
                <r:UserID type="SPSS Variable Name"> VAR21 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR21: Feel
                good</r:Label>
                <l:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </l:QuestionReference>
                <l:Representation>
                        <l:CodeRepresentation>
                                <r:CodeSchemeReference>
                                        <r:ID>CodSch_1</r:ID>
                                </r:CodeSchemeReference>
                        </l:CodeRepresentation>
                </l:Representation>
        </l:Variable>
        <l:Variable id="V22">
                <r:UserID type="SPSS Variable Name"> VAR22 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR22:  Felt good
                yesterday</r:Label>
                <l:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_2</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </l:QuestionReference>
                <l:Representation>
                        <l:CodeRepresentation>
                                <r:CodeSchemeReference>
                                        <r:ID>CodSch_1</r:ID>
                                </r:CodeSchemeReference>
                        </l:CodeRepresentation>
                </l:Representation>
        </l:Variable>
        <l:Variable id="V23">
                <r:UserID type="SPSS Variable Name"> VAR23 </r:UserID>
                <r:Label maxLength="255" type="label"> SPSS Variable Label for VAR23: Take part in
                next survey</r:Label>
                <l:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
```

```
                                        </r:Module>
                                        <r:Scheme>
                                                <r:ID>QueSch_ResPac1</r:ID>
                                        </r:Scheme>
                                        <r:ID>QueIte_5</r:ID>
                                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                        <r:Version>1.0.0</r:Version>
                                </l:QuestionReference>
                                <l:Representation>
                                        <l:CodeRepresentation>
                                                <r:CodeSchemeReference>
                                                        <r:ID>CodSch_1</r:ID>
                                                </r:CodeSchemeReference>
                                        </l:CodeRepresentation>
                                </l:Representation>
                        </l:Variable>
                </l:VariableScheme>
        </l:LogicalProduct>
</g:LogicalProduct>
<!-- specific StudyUnit for this round, universe 1 -->
<g:StudyUnit>
        <s:StudyUnit id="StuUni_5">
                <r:UserID type="DDI Study Number">DDI_DLPS5</r:UserID>
                <r:Citation>
                        <r:Title>Dagstuhl Longitudinal Panel Study, Round 3, Universe 1: Dagstuhl Graduates
                        1977</r:Title>
                </r:Citation>
                <s:Abstract id="Abs_1">
                        <r:Content>study description</r:Content>
                </s:Abstract>
                <r:UniverseReference>
                        <!-- this refers to the Universe in the Resource Package -->
                        <r:Module>
                                <r:ID>ResPac_DLPS_P1</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>UniSch_1</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </r:Scheme>
                        <r:ID>Uni_1_3_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </r:UniverseReference>
                <s:Purpose id="Pur_1">
                        <r:Content>This is Round 3 of DLPS, Universe 1</r:Content>
                </s:Purpose>
        </s:StudyUnit>
</g:StudyUnit>
<!-- specific StudyUnit for this round, universe 2 -->
<g:StudyUnit>
        <s:StudyUnit id="StuUni_6">
                <r:UserID type="DDI Study Number">DDI_DLPS6</r:UserID>
```

```
                    <r:Citation>
                        <r:Title>Dagstuhl Longitudinal Panel Study, Round 3, Universe 2: Siblings of Dagstuhl Graduates
                        1977</r:Title>
                    </r:Citation>
                    <s:Abstract id="Abs_1">
                        <r:Content>study description</r:Content>
                    </s:Abstract>
                    <r:UniverseReference>
                        <!-- this refers to the Universe in the Resource Package -->
                        <r:Module>
                            <r:ID>ResPac_DLPS_P1</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                        </r:Module>
                        <r:Scheme>
                            <r:ID>UniSch_1</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                        </r:Scheme>
                        <r:ID>Uni_1_3_2</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                    </r:UniverseReference>
                    <s:Purpose id="Pur_1">
                        <r:Content>This is Round 2 of DLPS, Universe 2</r:Content>
                    </s:Purpose>
                </s:StudyUnit>
            </g:StudyUnit>
        </g:SubGroup>
        <!-- Comparisons for Dagstuhl Longitudinal Panel Study -->
        <!-- contains optional VariableMaps or QuestionMaps or other Maps with Commonalities or Differences -->
        <cm:Comparison id="Com_1">
            <cm:VariableMap id="VarMap_1">
                <cm:SourceSchemeReference>
                    <r:ID>VarSch_1</r:ID>
                </cm:SourceSchemeReference>
                <cm:TargetSchemeReference>
                    <r:ID>VarSch_2</r:ID>
                </cm:TargetSchemeReference>
                <cm:Correspondence>
                    <cm:Commonality>V1 is equal to V11 and V2 is equal to V12</cm:Commonality>
                    <cm:Difference>V3 is different than V13 and V4 is different than V14</cm:Difference>
                </cm:Correspondence>
                <cm:ItemMap>
                    <cm:SourceItem>V1</cm:SourceItem>
                    <cm:TargetItem>V11</cm:TargetItem>
                    <cm:Correspondence>
                        <cm:Commonality>identical</cm:Commonality>
                        <cm:Difference>none</cm:Difference>
                    </cm:Correspondence>
                </cm:ItemMap>
                <cm:ItemMap>
                    <cm:SourceItem>V2</cm:SourceItem>
                    <cm:TargetItem>V12</cm:TargetItem>
                    <cm:Correspondence>
```

```
                        <cm:Commonality>identical</cm:Commonality>
                        <cm:Difference>none</cm:Difference>
                    </cm:Correspondence>
                </cm:ItemMap>
            </cm:VariableMap>
            <cm:VariableMap id="VarMap_2">
                <cm:SourceSchemeReference>
                    <r:ID>VarSch_2</r:ID>
                </cm:SourceSchemeReference>
                <cm:TargetSchemeReference>
                    <r:ID>VarSch_3</r:ID>
                </cm:TargetSchemeReference>
                <cm:Correspondence>
                    <cm:Commonality>V11 is equal to V21 and V12 is equal to V22</cm:Commonality>
                    <cm:Difference>V13 is different than V23 and V14 is different than V24</cm:Difference>
                </cm:Correspondence>
                <cm:ItemMap>
                    <cm:SourceItem>V11</cm:SourceItem>
                    <cm:TargetItem>V21</cm:TargetItem>
                    <cm:Correspondence>
                        <cm:Commonality>identical</cm:Commonality>
                        <cm:Difference>none</cm:Difference>
                    </cm:Correspondence>
                </cm:ItemMap>
                <cm:ItemMap>
                    <cm:SourceItem>V12</cm:SourceItem>
                    <cm:TargetItem>V22</cm:TargetItem>
                    <cm:Correspondence>
                        <cm:Commonality>identical</cm:Commonality>
                        <cm:Difference>none</cm:Difference>
                    </cm:Correspondence>
                </cm:ItemMap>
            </cm:VariableMap>
            <cm:VariableMap id="VarMap_3">
                <cm:SourceSchemeReference>
                    <r:ID>VarSch_1</r:ID>
                </cm:SourceSchemeReference>
                <cm:TargetSchemeReference>
                    <r:ID>VarSch_3</r:ID>
                </cm:TargetSchemeReference>
                <cm:Correspondence>
                    <cm:Commonality>V1, V2 and V3 are equal to V21, V22 and V23</cm:Commonality>
                    <cm:Difference>V4 and V24 are different </cm:Difference>
                </cm:Correspondence>
                <cm:ItemMap>
                    <cm:SourceItem>V1</cm:SourceItem>
                    <cm:TargetItem>V21</cm:TargetItem>
                    <cm:Correspondence>
                        <cm:Commonality>identical</cm:Commonality>
                        <cm:Difference>none</cm:Difference>
                    </cm:Correspondence>
                </cm:ItemMap>
                <cm:ItemMap>
                    <cm:SourceItem>V2</cm:SourceItem>
                    <cm:TargetItem>V22</cm:TargetItem>
```

```
                        <cm:Correspondence>
                            <cm:Commonality>identical</cm:Commonality>
                            <cm:Difference>none</cm:Difference>
                        </cm:Correspondence>
                    </cm:ItemMap>
                    <cm:ItemMap>
                        <cm:SourceItem>V3</cm:SourceItem>
                        <cm:TargetItem>V23</cm:TargetItem>
                        <cm:Correspondence>
                            <cm:Commonality>identical</cm:Commonality>
                            <cm:Difference>none</cm:Difference>
                        </cm:Correspondence>
                    </cm:ItemMap>
                </cm:VariableMap>
            </cm:Comparison>
</g:Group>
<!--                                                    -->
<!-- Resource Packages for Dagstuhl Longitudinal Panel Study -->
<!--                                                    -->
<!--   Resource Package 1 contains Universes -->
<g:ResourcePackage id="ResPac_DLPS_P1" isMaintainable="true" agency="gesis.de" version="1.0.0" isPublished="true">
            <g:Purpose id="Pur_1">
                <r:Content>This resource package contains all universes needed for Dagstuhl Longitudinal Panel Study </r:Content>
            </g:Purpose>
            <c:UniverseScheme id="UniSch_1">
                <c:Universe id="Uni_1">
                    <c:UniverseName>Dagstuhl Graduates and Siblings of Graduates</c:UniverseName>
                    <c:SubUniverse id="Uni_1_1">
                        <c:UniverseName>Dagstuhl Graduates and Siblings of Graduates 1957</c:UniverseName>
                        <c:SubUniverse id="Uni_1_1_1">
                            <c:UniverseName>Dagstuhl Graduates 1957</c:UniverseName>
                        </c:SubUniverse>
                        <c:SubUniverse id="Uni_1_1_2">
                            <c:UniverseName>Siblings of Dagstuhl Graduates 1957</c:UniverseName>
                        </c:SubUniverse>
                    </c:SubUniverse>
                    <c:SubUniverse id="Uni_1_2">
                        <c:UniverseName>Dagstuhl Graduates and Siblings of Graduates 1967</c:UniverseName>
                        <c:SubUniverse id="Uni_1_2_1">
                            <c:UniverseName>Dagstuhl Graduates 1967</c:UniverseName>
                        </c:SubUniverse>
                        <c:SubUniverse id="Uni_1_2_2">
                            <c:UniverseName>Siblings of Dagstuhl Graduates 1967</c:UniverseName>
                        </c:SubUniverse>
                    </c:SubUniverse>
                    <c:SubUniverse id="Uni_1_3">
                        <c:UniverseName>Dagstuhl Graduates and Siblings of Graduates 1977</c:UniverseName>
                        <c:SubUniverse id="Uni_1_3_1">
                            <c:UniverseName>Dagstuhl Graduates 1977</c:UniverseName>
                        </c:SubUniverse>
                        <c:SubUniverse id="Uni_1_3_2">
                            <c:UniverseName>Siblings of Dagstuhl Graduates 1977</c:UniverseName>
                        </c:SubUniverse>
                    </c:SubUniverse>
                </c:Universe>
```

```
        </c:UniverseScheme>
</g:ResourcePackage>
<!--  Resource Package 2 contains ControlConstructs and Questions -->
<g:ResourcePackage id="ResPac_DLPS_P2" isMaintainable="true" agency="gesis.de" version="1.0.0" isPublished="true">
        <g:Purpose id="Pur_2">
                <r:Content>This resource package contains all ControlConstructSchemes and QuestionSchemes needed for Dagstuhl
                Longitudinal Panel Study </r:Content>
        </g:Purpose>
        <!-- Interviewer Instructions  -->
        <dc:InterviewerInstructionScheme id="IntInsSch_1">
                <dc:Instruction id="Ins_1">
                        <dc:InstructionText>
                                <dc:LiteralText>
                                        <dc:Text>Show card 1</dc:Text>
                                </dc:LiteralText>
                        </dc:InstructionText>
                </dc:Instruction>
        </dc:InterviewerInstructionScheme>
        <dc:ControlConstructScheme id="ConConSch_1">
                <!-- top level sequence for Instrument 1, is referenced by DataCollection/Instrument, and references Question Constructs -->
                <dc:Sequence id="Seq_1">
                        <dc:ControlConstructReference>
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>ConConSch_1</r:ID>
                                </r:Scheme>
                                <r:ID>QueCon_1</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </dc:ControlConstructReference>
                        <dc:ControlConstructReference>
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>ConConSch_1</r:ID>
                                </r:Scheme>
                                <r:ID>QueCon_2</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </dc:ControlConstructReference>
                        <dc:ControlConstructReference>
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>ConConSch_1</r:ID>
                                </r:Scheme>
                                <r:ID>QueCon_3</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </dc:ControlConstructReference>
                        <dc:ConstructSequence>
```

```
                <dc:ItemSequenceType>InOrderOfAppearance</dc:ItemSequenceType>
            </dc:ConstructSequence>
        </dc:Sequence>
        <!-- top level sequence for Instrument 2, is referenced by DataCollection/Instrument, and references Question Constructs -->
        <dc:Sequence id="Seq_2">
            <dc:ControlConstructReference>
                <r:Module>
                    <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                    <r:ID>ConConSch_1</r:ID>
                </r:Scheme>
                <r:ID>QueCon_1</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
            </dc:ControlConstructReference>
            <dc:ControlConstructReference>
                <r:Module>
                    <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                    <r:ID>ConConSch_1</r:ID>
                </r:Scheme>
                <r:ID>QueCon_2</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
            </dc:ControlConstructReference>
            <dc:ControlConstructReference>
                <r:Module>
                    <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                    <r:ID>ConConSch_1</r:ID>
                </r:Scheme>
                <r:ID>QueCon_4</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
            </dc:ControlConstructReference>
            <dc:ConstructSequence>
                <dc:ItemSequenceType>InOrderOfAppearance</dc:ItemSequenceType>
            </dc:ConstructSequence>
        </dc:Sequence>
        <!-- top level sequence for Instrument 1, is referenced by DataCollection/Instrument, and references Question Constructs -->
        <dc:Sequence id="Seq_3">
            <dc:ControlConstructReference>
                <r:Module>
                    <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                    <r:ID>ConConSch_1</r:ID>
                </r:Scheme>
                <r:ID>QueCon_1</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
            </dc:ControlConstructReference>
```

```
                <dc:ControlConstructReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>ConConSch_1</r:ID>
                        </r:Scheme>
                        <r:ID>QueCon_2</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:ControlConstructReference>
                <dc:ControlConstructReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>ConConSch_1</r:ID>
                        </r:Scheme>
                        <r:ID>QueCon_5</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:ControlConstructReference>
                <dc:ConstructSequence>
                        <dc:ItemSequenceType>InOrderOfAppearance</dc:ItemSequenceType>
                </dc:ConstructSequence>
        </dc:Sequence>
        <!-- Question Constructs, referencing Interviewer Instructions and Questions -->
        <dc:QuestionConstruct id="QueCon_1">
                <dc:InterviewerInstructionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>IntInsSch_1</r:ID>
                        </r:Scheme>
                        <r:ID>Ins_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:InterviewerInstructionReference>
                <dc:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_1</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:QuestionReference>
        </dc:QuestionConstruct>
        <dc:QuestionConstruct id="QueCon_2">
                <dc:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
```

```
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_2</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:QuestionReference>
        </dc:QuestionConstruct>
        <dc:QuestionConstruct id="QueCon_3">
                <dc:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_3</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:QuestionReference>
        </dc:QuestionConstruct>
        <dc:QuestionConstruct id="QueCon_4">
                <dc:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_4</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:QuestionReference>
        </dc:QuestionConstruct>
        <dc:QuestionConstruct id="QueCon_5">
                <dc:QuestionReference>
                        <r:Module>
                                <r:ID>ResPac_DLPS_P2</r:ID>
                        </r:Module>
                        <r:Scheme>
                                <r:ID>QueSch_ResPac1</r:ID>
                        </r:Scheme>
                        <r:ID>QueIte_5</r:ID>
                        <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                        <r:Version>1.0.0</r:Version>
                </dc:QuestionReference>
        </dc:QuestionConstruct>
</dc:ControlConstructScheme>
<!-- Questions, referencing Answer Categories -->
<dc:QuestionScheme id="QueSch_ResPac1">
        <dc:QuestionItem id="QueIte_1">
                <dc:QuestionText>
                        <dc:LiteralText>
                                <dc:Text>Do you feel good?</dc:Text>
```

```
                </dc:LiteralText>
            </dc:QuestionText>
            <dc:CategoryDomain>
                <r:CategorySchemeReference>
                    <r:ID>CatSch_1</r:ID>
                </r:CategorySchemeReference>
            </dc:CategoryDomain>
        </dc:QuestionItem>
        <dc:QuestionItem id="QueIte_2">
            <dc:QuestionText>
                <dc:LiteralText>
                    <dc:Text>Will you feel good tomorrow?</dc:Text>
                </dc:LiteralText>
            </dc:QuestionText>
            <dc:CategoryDomain>
                <r:CategorySchemeReference>
                    <r:ID>CatSch_1</r:ID>
                </r:CategorySchemeReference>
            </dc:CategoryDomain>
        </dc:QuestionItem>
        <dc:QuestionItem id="QueIte_3">
            <dc:QuestionText>
                <dc:LiteralText>
                    <dc:Text>How did you feel yesterday?</dc:Text>
                </dc:LiteralText>
            </dc:QuestionText>
            <dc:CategoryDomain>
                <r:CategorySchemeReference>
                    <r:ID>CatSch_1</r:ID>
                </r:CategorySchemeReference>
            </dc:CategoryDomain>
        </dc:QuestionItem>
        <dc:QuestionItem id="QueIte_4">
            <dc:QuestionText>
                <dc:LiteralText>
                    <dc:Text>How old are you?</dc:Text>
                </dc:LiteralText>
            </dc:QuestionText>
            <dc:CategoryDomain>
                <r:CategorySchemeReference>
                    <r:ID>CatSch_2</r:ID>
                </r:CategorySchemeReference>
            </dc:CategoryDomain>
        </dc:QuestionItem>
        <dc:QuestionItem id="QueIte_5">
            <dc:QuestionText>
                <dc:LiteralText>
                    <dc:Text>Will you take part in the next survey?</dc:Text>
                </dc:LiteralText>
            </dc:QuestionText>
            <dc:CategoryDomain>
                <r:CategorySchemeReference>
                    <r:ID>CatSch_1</r:ID>
                </r:CategorySchemeReference>
            </dc:CategoryDomain>
```

```
            </dc:QuestionItem>
    </dc:QuestionScheme>
    <!-- Answer Category Schemes -->
    <l:CategoryScheme id="CatSch_1">
            <l:CategorySchemeName>Simple yes/no/dk categories</l:CategorySchemeName>
            <l:Category id="Cat_1">
                    <l:CategoryName>Yes</l:CategoryName>
                    <r:Label>Y</r:Label>
            </l:Category>
            <l:Category id="Cat_2">
                    <l:CategoryName>No</l:CategoryName>
                    <r:Label>N</r:Label>
            </l:Category>
            <l:Category id="Cat_3">
                    <l:CategoryName>Don't know</l:CategoryName>
                    <r:Label>DK</r:Label>
            </l:Category>
    </l:CategoryScheme>
    <l:CategoryScheme id="CatSch_2">
            <l:CategorySchemeName>Age in 9 categories</l:CategorySchemeName>
            <l:Category id="Cat_1">
                    <l:CategoryName>under 10 years</l:CategoryName>
                    <r:Label>-9</r:Label>
            </l:Category>
            <l:Category id="Cat_2">
                    <l:CategoryName>10 to 19 years</l:CategoryName>
                    <r:Label>10-19</r:Label>
            </l:Category>
            <l:Category id="Cat_3">
                    <l:CategoryName>20 to 29 years</l:CategoryName>
                    <r:Label>20-29</r:Label>
            </l:Category>
            <l:Category id="Cat_4">
                    <l:CategoryName>30 to 39 years</l:CategoryName>
                    <r:Label>30-39</r:Label>
            </l:Category>
            <l:Category id="Cat_5">
                    <l:CategoryName>40 to 49 years</l:CategoryName>
                    <r:Label>40-49</r:Label>
            </l:Category>
            <l:Category id="Cat_6">
                    <l:CategoryName>50 to 59 years</l:CategoryName>
                    <r:Label>50-59</r:Label>
            </l:Category>
            <l:Category id="Cat_7">
                    <l:CategoryName>60 to 69 years</l:CategoryName>
                    <r:Label>60-69</r:Label>
            </l:Category>
            <l:Category id="Cat_8">
                    <l:CategoryName>70 to 79 years</l:CategoryName>
                    <r:Label>70-79</r:Label>
            </l:Category>
            <l:Category id="Cat_9">
                    <l:CategoryName>80 or more years</l:CategoryName>
                    <r:Label>80-</r:Label>
```

```
            </l:Category>
    </l:CategoryScheme>
    <l:CategoryScheme id="CatSch_3">
            <l:CategorySchemeName>Quartiles</l:CategorySchemeName>
            <l:Category id="Cat_1">
                    <l:CategoryName>1st quartile</l:CategoryName>
                    <r:Label>1st</r:Label>
            </l:Category>
            <l:Category id="Cat_2">
                    <l:CategoryName>2nd quartile</l:CategoryName>
                    <r:Label>2nd</r:Label>
            </l:Category>
            <l:Category id="Cat_3">
                    <l:CategoryName>3rd quartile</l:CategoryName>
                    <r:Label>3rd</r:Label>
            </l:Category>
            <l:Category id="Cat_4">
                    <l:CategoryName>4th quartile</l:CategoryName>
                    <r:Label>4th</r:Label>
            </l:Category>
    </l:CategoryScheme>
    <!-- Code Schemes -->
    <l:CodeScheme id="CodSch_1">
            <l:CodeSchemeName>Yes/No/DK</l:CodeSchemeName>
            <l:Code>
                    <l:CategoryReference>
                            <r:Module>
                                    <r:ID>ResPac_DLPS_P2</r:ID>
                            </r:Module>
                            <r:Scheme>
                                    <r:ID>CatSch_1</r:ID>
                            </r:Scheme>
                            <r:ID>Cat_1</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                    </l:CategoryReference>
                    <l:Value>1</l:Value>
            </l:Code>
            <l:Code>
                    <l:CategoryReference>
                            <r:Module>
                                    <r:ID>ResPac_DLPS_P2</r:ID>
                            </r:Module>
                            <r:Scheme>
                                    <r:ID>CatSch_1</r:ID>
                            </r:Scheme>
                            <r:ID>Cat_2</r:ID>
                            <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                            <r:Version>1.0.0</r:Version>
                    </l:CategoryReference>
                    <l:Value>2</l:Value>
            </l:Code>
            <l:Code>
                    <l:CategoryReference>
                            <r:Module>
```

```
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>CatSch_1</r:ID>
                                </r:Scheme>
                                <r:ID>Cat_3</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </l:CategoryReference>
                        <l:Value>9</l:Value>
                </l:Code>
        </l:CodeScheme>
        <l:CodeScheme id="CodSch_2">
                <l:CodeSchemeName>9 groups for age</l:CodeSchemeName>
                <l:Code>
                        <l:CategoryReference>
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>CatSch_2</r:ID>
                                </r:Scheme>
                                <r:ID>Cat_1</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
                        </l:CategoryReference>
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                        <l:CategoryReference>
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                                </r:Module>
                                <r:Scheme>
                                        <r:ID>CatSch_2</r:ID>
                                </r:Scheme>
                                <r:ID>Cat_2</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
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                </l:Code>
                <l:Code>
                        <l:CategoryReference>
                                <r:Module>
                                        <r:ID>ResPac_DLPS_P2</r:ID>
                                </r:Module>
                                <r:Scheme>
                                        <r:ID>CatSch_2</r:ID>
                                </r:Scheme>
                                <r:ID>Cat_3</r:ID>
                                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                                <r:Version>1.0.0</r:Version>
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```

```
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                </r:Module>
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                        <r:ID>CatSch_2</r:ID>
                </r:Scheme>
                <r:ID>Cat_4</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
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        <l:CategoryReference>
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                        <r:ID>ResPac_DLPS_P2</r:ID>
                </r:Module>
                <r:Scheme>
                        <r:ID>CatSch_2</r:ID>
                </r:Scheme>
                <r:ID>Cat_5</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </l:CategoryReference>
        <l:Value>5</l:Value>
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        <l:CategoryReference>
                <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
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                <r:Scheme>
                        <r:ID>CatSch_2</r:ID>
                </r:Scheme>
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                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </l:CategoryReference>
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<l:Code>
        <l:CategoryReference>
                <r:Module>
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                </r:Module>
                <r:Scheme>
                        <r:ID>CatSch_2</r:ID>
                </r:Scheme>
                <r:ID>Cat_7</r:ID>
                <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                <r:Version>1.0.0</r:Version>
        </l:CategoryReference>
```

```
                <l:Value>7</l:Value>
            </l:Code>
            <l:Code>
                <l:CategoryReference>
                    <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
                    </r:Module>
                    <r:Scheme>
                        <r:ID>CatSch_2</r:ID>
                    </r:Scheme>
                    <r:ID>Cat_8</r:ID>
                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                    <r:Version>1.0.0</r:Version>
                </l:CategoryReference>
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            <l:Code>
                <l:CategoryReference>
                    <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
                    </r:Module>
                    <r:Scheme>
                        <r:ID>CatSch_2</r:ID>
                    </r:Scheme>
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                    <r:Version>1.0.0</r:Version>
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        </l:CodeScheme>
        <l:CodeScheme id="CodSch_3">
            <l:CodeSchemeName>Quartiles</l:CodeSchemeName>
            <l:Code>
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                        <r:ID>ResPac_DLPS_P2</r:ID>
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                    <r:Scheme>
                        <r:ID>CatSch_3</r:ID>
                    </r:Scheme>
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                    <r:IdentifyingAgency>gesis.de</r:IdentifyingAgency>
                    <r:Version>1.0.0</r:Version>
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                <l:Value>1</l:Value>
            </l:Code>
            <l:Code>
                <l:CategoryReference>
                    <r:Module>
                        <r:ID>ResPac_DLPS_P2</r:ID>
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                    <r:Scheme>
                        <r:ID>CatSch_3</r:ID>
                    </r:Scheme>
```

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                        <r:Scheme>
                            <r:ID>CatSch_3</r:ID>
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                        <r:Scheme>
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                        <r:Version>1.0.0</r:Version>
                    </l:CategoryReference>
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                </l:Code>
            </l:CodeScheme>
        </g:ResourcePackage>
        <!--  Resource Package 3 contains Organizations -->
        <g:ResourcePackage id="ResPac_DLPS_P3" isMaintainable="true" agency="gesis.de" version="1.0.0" isPublished="true">
            <g:Purpose id="Pur_3">
                <r:Content>This resource package contains all organization names needed for Dagstuhl Longitudinal Panel Study </r:Content>
            </g:Purpose>
            <a:OrganizationScheme id="OrgSch_1">
                <a:Organization id="Org_1">
                    <a:OrganizationName>Cornell University, US</a:OrganizationName>
                </a:Organization>
                <a:Organization id="Org_2">
                    <a:OrganizationName>ISER, UK</a:OrganizationName>
                </a:Organization>
                <a:Organization id="Org_3">
                    <a:OrganizationName>ICPSR, US</a:OrganizationName>
                </a:Organization>
                <a:Organization id="Org_4">
                    <a:OrganizationName>GESIS, Germany</a:OrganizationName>
                </a:Organization>
                <a:Organization id="Org_5">
```

```
                        <a:OrganizationName>DIW SOEP, Germany</a:OrganizationName>
                    </a:Organization>
                    <a:Organization id="Org_6">
                        <a:OrganizationName>University of Wisconsin, US</a:OrganizationName>
                    </a:Organization>
                </a:OrganizationScheme>
            </g:ResourcePackage>
</ddi:DDIInstance>
```