# DataStore:

cdi:DataStore-aboutMissing

cdi:DataStore-allowsDuplicates

cdi:DataStore-catalogDetails

cdi:DataStore-characterSet

cdi:DataStore-dataStoreType The type of datastore. Could be delimited file, fixed record length file, relational database, etc. Points to an external definition which can be part of a controlled vocabulary maintained by the DDI Alliance. {@en}

cdi:DataStore-identifier

cdi:DataStore-name

cdi:DataStore-purpose

cdi:DataStore-recordCount

cdi:DataStore\_has\_LogicalRecord

cdi:DataStore\_has\_LogicalRecordPosition

cdi:DataStore\_has\_RecordRelation

cdi:DataStore\_isDefinedBy\_Concept

## LogicalRecord

cdi:LogicalRecord-identifier

cdi:LogicalRecord\_has\_InstanceVariable

cdi:LogicalRecord\_isDefinedBy\_Concept

cdi:LogicalRecord\_organizes\_DataSet

## PhysicalSegmentLayout

cdi:PhysicalSegmentLayout-allowsDuplicates

cdi:PhysicalSegmentLayout-arrayBase

cdi:PhysicalSegmentLayout-catalogDetails

cdi:PhysicalSegmentLayout-commentPrefix

cdi:PhysicalSegmentLayout-delimiter

cdi:PhysicalSegmentLayout-encoding

cdi:PhysicalSegmentLayout-escapeCharacter

cdi:PhysicalSegmentLayout-hasHeader

cdi:PhysicalSegmentLayout-headerIsCaseSensitive

cdi:PhysicalSegmentLayout-headerRowCount

cdi:PhysicalSegmentLayout-identifier

cdi:PhysicalSegmentLayout-isDelimited

cdi:PhysicalSegmentLayout-isFixedWidth

cdi:PhysicalSegmentLayout-lineTerminator

cdi:PhysicalSegmentLayout-name

cdi:PhysicalSegmentLayout-nullSequence

cdi:PhysicalSegmentLayout-overview

cdi:PhysicalSegmentLayout-purpose

cdi:PhysicalSegmentLayout-quoteCharacter

cdi:PhysicalSegmentLayout-skipBlankRows

cdi:PhysicalSegmentLayout-skipDataColumns

cdi:PhysicalSegmentLayout-skipInitialSpace

cdi:PhysicalSegmentLayout-skipRows

cdi:PhysicalSegmentLayout-tableDirection

cdi:PhysicalSegmentLayout-textDirection

cdi:PhysicalSegmentLayout-treatConsecutiveDelimitersAsOne

cdi:PhysicalSegmentLayout-trim

cdi:PhysicalSegmentLayout\_formats\_LogicalRecord

cdi:PhysicalSegmentLayout\_has\_ValueMapping

cdi:PhysicalSegmentLayout\_has\_ValueMappingPosition

cdi:PhysicalSegmentLayout\_isDefinedBy\_Concept

# DataSet

Organized collection of data based on keys. {@en}

cdi:DataSet-catalogDetails

cdi:DataSet-identifier

cdi:DataSet\_has\_DataPoint Container for an instance value.

cdi:DataSet\_has\_Key Collection of data instances that uniquely identify a collection of data points in a dataset.

cdi:DataSet\_isStructuredBy\_DataStructure

## DataPoint

cdi:DataPoint-catalogDetails

cdi:DataPoint-identifier

cdi:DataPoint\_correspondsTo\_DataStructureComponent

cdi:DataPoint\_isDescribedBy\_InstanceVariable

## Key

cdi:Key-identifier

cdi:Key\_correspondsTo\_Unit

cdi:Key\_correspondsTo\_Universe

cdi:Key\_has\_KeyMember Single data instance that is part of a key. {@en}

cdi:Key\_identifies\_DataPoint

cdi:Key\_represents\_KeyDefinition Collection of concepts that uniquely defines a collection of data points in a dataset. {@en}

## DataStructure

cdi:DataStructure\_has\_ComponentPosition

cdi:DataStructure\_has\_DataStructureComponent

cdi:DataStructure\_has\_ForeignKey

cdi:DataStructure\_has\_PrimaryKey

## DataStructureComponent

cdi:DataStructureComponent-identifier

cdi:DataStructureComponent-semantic

cdi:DataStructureComponent-specialization

cdi:DataStructureComponent\_isDefinedBy\_RepresentedVariable

# ConceptualVariable

cdi:ConceptualVariable-descriptiveText

cdi:ConceptualVariable-unitOfMeasureKind

cdi:ConceptualVariable\_measures\_UnitType

cdi:ConceptualVariable\_takesSentinelConceptsFrom\_SentinelConceptualDomain

cdi:ConceptualVariable\_takesSubstantiveConceptsFrom\_SubstantiveConceptualDomain

# RepresentedVariable

cdi:RepresentedVariable-describedUnitOfMeasure

cdi:RepresentedVariable-hasIntendedDataType

cdi:RepresentedVariable-simpleUnitOfMeasure

cdi:RepresentedVariable\_takesSentinelValuesFrom\_SentinelValueDomain

cdi:RepresentedVariable\_takesSubstantiveValuesFrom\_SubstantiveValueDomain

# InstanceVariable

cdi:InstanceVariable-physicalDataType The data type of this variable. Supports the optional use of an external controlled vocabulary. {@en}

cdi:InstanceVariable-platformType Describes the application or technical system context in which the variable has been realized. Typically a statistical processing package or other processing environment. {@en}

cdi:InstanceVariable-source Reference capturing provenance information. {@en}

cdi:InstanceVariable-variableFunction Immutable characteristic of the variable such as geographic designator, weight, temporal designation, etc. {@en}

cdi:InstanceVariable\_has\_PhysicalSegmentLayout

cdi:InstanceVariable\_has\_ValueMapping

## DescriptorVariable

Variable that provides codes for variable identification in the context of a data structure.

Variable playing the role of a variable descriptor component.

cdi:DescriptorVariable\_takesSubstantiveValuesFrom\_DescriptorValueDomain

## ReferenceVariable

Variable that records values of multiple variables in the context of a data structure. Variable playing the role of a variable value component.

cdi:ReferenceVariable\_takesValuesFrom\_ReferenceValueDomain

### ValueMapping

cdi:ValueMapping-decimalPositions

cdi:ValueMapping-defaultDecimalSeparator

cdi:ValueMapping-defaultDigitGroupSeparator

cdi:ValueMapping-defaultValue

cdi:ValueMapping-format This defines the format of the physical representation of the value. From https://www.w3.org/TR/tabular-metadata/ 5.11.2 format:

cdi:ValueMapping-identifier

cdi:ValueMapping-isRequired

cdi:ValueMapping-length

cdi:ValueMapping-maximumLength

cdi:ValueMapping-minimumLength

cdi:ValueMapping-nullSequence

cdi:ValueMapping-numberPattern

cdi:ValueMapping-physicalDataType

cdi:ValueMapping-scale

cdi:ValueMapping\_formats\_DataPoint

cdi:ValueMapping\_uses\_PhysicalSegmentLocation

# Concept

Unit of thought differentiated by characteristics (from the Generic Statistical Information Model version 1.2: https://statswiki.unece.org/display/clickablegsim/Concept).

cdi:Concept-catalogDetails

cdi:Concept-definition

cdi:Concept-displayLabel

cdi:Concept-externalDefinition A reference to an external definition of a concept (that is, a concept which is described outside the content of the DDI-CDI metadata description). An example is a SKOS concept. The definition property is assumed to duplicate the external one referenced if externalDefinition is used. Other corresponding properties are assumed to be included unchanged if used. {@en}

cdi:Concept-identifier

cdi:Concept-name

cdi:Concept\_uses\_Concept

# PhysicalDataSet

cdi:PhysicalDataSet-allowsDuplicates

cdi:PhysicalDataSet-catalogDetails

cdi:PhysicalDataSet-identifier

cdi:PhysicalDataSet-name

cdi:PhysicalDataSet-numberOfSegments The number of distinct segments (e.g., segments patterns with different structures, identified separately) in a physical dataset. {@en}

cdi:PhysicalDataSet-overview Short natural language account of the information obtained from the combination of properties and relationships associated with an object. {@en}

cdi:PhysicalDataSet-physicalFileName Use when multiple physical segments are stored in a single file. {@en}

cdi:PhysicalDataSet-purpose

cdi:PhysicalDataSet\_correspondsTo\_DataSet

cdi:PhysicalDataSet\_formats\_DataStore Data store physically represented by the structure description. {@en}

cdi:PhysicalDataSet\_has\_InstanceVariable

cdi:PhysicalDataSet\_has\_PhysicalRecordSegment

cdi:PhysicalDataSet\_has\_PhysicalRecordSegmentPosition

cdi:PhysicalDataSet\_isDefinedBy\_Concept The conceptual basis for the collection of members. {@en}