

Attributes in the Nordic SQL Data Model

Introduction

The Nordic data model has been expanded to comply with the demands set by EuroStat concerning data linked to data cells.

Two new tables

Attribute

Column name	Data type	Compulsory	Description
Maintable	varchar (20)	Yes	Primary key. The main table that the attribute is linked to.
Attribute	varchar (20)	Yes	Name of the attribute
AttributeColumn	varchar(41)	Yes	Name of the column. The length is set accommodate to future use of prefixes
PresText	varchar (250)	No	Presentation text used by GUI
SequenceNo	smallint	Yes	The attributes place in the data table Column or the place within the column
Description	varchar (200)	No	Description of the attribute
ValueSet	varchar (30)	No	Links a list of approved codes to the attribute. Can be omitted – for example if the attribute contains a comment.
ColumnLength	smallint	Yes	Maximum length of the attribute

The pretext is included since not all attributes will be linked to a value set. Either the presentation text or the value set must be set.



Attribte_eng (or other secondary language)

Column name	Data type	Compulsory	Description
Maintable	varchar (20)	Yes	Primary key. Main table that the attribute is linked to.
Attribute	varchar (20)	Yes	Primary key. Name of the attribute
PresText	Varchar(250)	No	
Description	varchar (200)	No	Description of the attribute

Datatable design

Variable 1	Variable n	Content 1	Content m	Attribute 1	Attribute 2	Attribute n

The attributes 1-n is linked to all contents. If different attribute codes are needed for content 1 and n then these must be placed in different tables or they must be structured as a variable in one table if the type and other meta data is the same.

Example

1 – more than one attribute

Attribute table

MainTable	Attribute column	Attribute	PresText	SequenceNo	Description	Value set	Column length
Bef54	Obs_Status	OBS_STATUS	Observationsstatus	1	Text ...	ATTstatus	1
Bef54	Obs_Note	OBS_NOTE	Comment	2	Text ...	<i>null</i>	100

Data table

Region	Age	Time	Persons	Obs_Status	Obs_Note
0180	44	2009	14679	A	Not reliable due to large losses in the collection of the data
0180	45	2009	10765	X	

2 – one attribute column that contains more than one attribute

Attribute table

MainTable	Attribute column	Attribute	PresText	SequenceNo	Description	Value set	Column length
Bef54	Attribut	OBS_STATUS	<i>null</i>	1	Text ...	ATTstatus	1
Bef54	Attribut	OBS_NOTETE	Kommentar	2	Text ...	<i>null</i>	100

Data table

Region	Age	Time	Persons	Attribute
0180	44	2009	14679	A: Not reliable due to large losses in the collection of the data
0180	45	2009	10765	X:

All attributes are stored in the same column and are separated by colon (:); which must be present even if the attribute lacks a value.

Example 1 and 2 cannot be combined.