



Africa Centre Demographic Information System (ACDIS)

Dataset Documentation

Bounded Structure Types

Change History

Who

Colin Newell
Colin Newell
Colin Newell

When

25 May 2006
2 August 2007
29 August 2008

What

Original
Enhanced description, added several new variables, all labels
Removed the two VP Date precision variables.

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welcome trust

Dataset name	BSTypes
Description	<p>Describes the Types of Bounded Structures and their changes over time. Most are ‘Homesteads, but there are also shops, churches, schools, clinics etc.</p> <p>Most BS only have one such episode because their Type has never changed since DS Start (or construction), but when there has been a change there will be two or more. In principle the first BS Type for a BS will always have a Start date identical to that of the parent BS. Equally the last BS Type will have an identical End date. Where there are 2+ Types for one BS then the episodes should never overlap, nor should there be any gaps. Any deviations from these principles are dirty data.</p>
Rows/Units of analysis	One row per BS Type Episode..
Unique identifier(s)	BSTId
Approx. number of rows	Approx 15,800 as at June 2011

BS Type information is collected on forms “BSR” Bounded Structure Registration and “BSU” Bounded Structure Update. Images of these forms are included in the Bounded Structures dataset documentation.

BSTypes Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
BSTId	Unique Id of BS Type episode	<i>BSTypeEpisodes.IntId</i>	Integer 1 – 17,300+	Meaningless unique key.
BSIntId	Id of Bounded Structure	<i>BSTypeEpisodes.BoundedStructure</i>	Integer 1 – 17,124 No blanks or missings	Can be used to link to BoundedStructures dataset
BSType	Typee of BS	<i>BSTypeEpisodes.Type</i>	Three-letter code. See list of BS Types in ACDIS Codebook. Examples are HMS Homestead PMS Primary School CRC Church SHP Shop No blanks/missings	Approx 96% are 'Homestead'
BSTypeName	Name of BS Type i.e. label associated with code in previous variable	BSTypes.Name associated with <i>BSTypeEpisodes.Typee</i>	Text string	
BSSStartDate	Start date of episode	The Date of the Event (i.e. <i>Events.AssignedDate</i>) linked to the to <i>BSTypeEpisodes.StartEvent</i>	General date Range is Jan 2000 to present, plus a few missing values as 1 Jan 1798 (Don't Know) 1 Jan 1799 (Missing) No blanks	99.5% have 2000-01-01 i.e. DSS start

BSTypes Dataset Variable List

Variable Name	Description	Source in ACDIS database	Format/Codes/Special values	Notes/comments
BSSStartType	Type of Start Event	The Type of the Event (i.e. <i>Events.Type</i>) linked to the to <i>BSTypeEpisodes.StartEvent</i>	Three-letter code. See next variable for labels. One of DSS DS Start BTC BS Type change CON Construction DFT _Default No blanks	97.5% DS Start
BSSStartTypeName	Name of BSS Start Type i.e. label associated with code in previous variable	<i>EventTypes.Name</i> associated with <i>BSTypeEpisodes.StartEvent</i>	Text string	
BSSEndDate	End date of the episode	The Date of the Event (i.e. <i>Events.AssignedDate</i>) linked to the to <i>BSTypeEpisodes.EndEvent</i>	General date. Range is 1997 to present, plus a few missing values as 1 Jan 1795 (Default) 1 Jan 1797 (Not Applic.) 1 Jan 1798 (Don't Know) 1 Jan 1799 (Missing)	
BSSEndType	Type of End Event	The Type of the Event (i.e. <i>Events.Type</i>) linked to the to <i>BSTypeEpisodes.EndEvent</i>	Three-letter code. See next variable for labels. Mainly BTC BS Type change DFT Default VIS Visit	98% VISit
BSSEndTypeName	Name of BSS End Type i.e. label associated with code in previous variable	<i>EventTypes.Name</i> associated with <i>BSTypeEpisodes.EndEvent</i>	Text string	

SQL

```
/*
<Author>Colin Newell</Author>
<Date>25 May 2006</Date>
<Category>Dataset</Category>
<Notes>
Requested by: Core dataset

Request: To produce a _BSTypes analytical dataset
        The dataset should contain one record for each Bounded Structure Type Episode
</Notes>
<ChangeHistory>
C Newell  25 may 2006  Original coding

C Newell  31 Oct 2006  Turned dates from Text to date (ie. no conversion)

C Newell   2 Aug 2007  Added several label variables e.g. BSStateName

C Newell  29 Aug 2008  Removed the two VP prcision dates

</ChangeHistory>
*/
alter VIEW _BSTypes
AS
SELECT
    bste.IntID AS BSTID,
    bste.BoundedStructure AS BSIntId,
    bste.Type AS BSType,
    bst.Name as BSTypeName,           -- added 2aug07
    se.AssignedDate AS BSTStartDate,
    se.Type AS BSTStartType,
    setp.[Name] AS BSSStartTypeName, -- added 2aug07
    ee.AssignedDate AS BSTEndDate,
    ee.Type AS BSTEndType,
    eetp.[Name] AS BSSEndTypeName    -- added 2aug07
FROM BSTypeEpisodes bste
LEFT JOIN Events se ON se.IntID = bste.StartEvent
LEFT JOIN Events ee ON ee.IntID = bste.EndEvent
LEFT JOIN BSTypes bst ON bste.Type = bst.Code
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```
LEFT JOIN EventTypes setp ON se.Type = setp.Code  
LEFT JOIN EventTypes eetp ON ee.Type = eetp.Code
```