

ICE

Table Generation

**Table Extension
and Update**

Presentation on 29.04.2008

Table extension for better Data Compare

Define Tables that consist of different data stocks and combine data from different statistics

College Staff (Staff at institutions of higher education) nach Staff Groups (Total of scientific and crative arts staff), Year, Functional Structure (Structured by organisational relation)

College Staff	
Staff at institutions of higher education	
Total of scientific and crative arts staff ¹⁾	
Year	Number
2002 ¹⁾	231.542
2003 ¹⁾	237.162
2004 ¹⁾	236.378

Source: Federal Statistical Office Germany; M...

College Staff (Staff at institutions of higher education) nach Staff Groups (Total of scientific and crative arts staff), Year, Functional Structure (Structured by organisational relation)
[TabTeil 2]: Study demand (Enroled students)

College Staff		
Staff at institutions of higher education		Study demand
Total of scientific and crative arts staff ¹⁾		Enroled students
Year	Number	Number
2002 ¹⁾	231.542	1.938.811
2003 ¹⁾	237.162	2.019.465
2004 ¹⁾	236.378	1.963.108

Source: Federal Statistical Office Germany; Main reports

Structure of table extensions

Two or more unit of a table in rows or in columns from different or equal data stocks

Year	College Staff	Study demand
	Staff at institutions of higher education	Enroled students
	Total of scientific and crative arts staff ¹⁾	Number
2002 ¹⁾	231.542	1.938.811
2003 ¹⁾	237.162	2.019.465
2004 ¹⁾	236.378	1.963.108

Source: Federal Statistical Office Germany; Main report

The data can be connected by the topic of the rows ...

College Staff	Staff Groups	Year	Gender		
			Total	Male	Female
Staff at institutions of higher education	Professors	2004	38.443	33.219	5.224
Study demand	Type of Institution (detailed)	Year	Number		
Enroled students	Institutions of higher education (total)	2004	1.963.108	1.026.199	936.909

Source: Federal Statistical Office Germany; Main reports

... e.g. by the topic of the the columns

Extension of rows or of columns?

When you define a table extension look for the common characteristics and attributes

data stock 202 characteristics	attributes
College staff	Scientific and creative art staff
Year	2005
University	Total Colombo Peradeniya Sri Jayawardenepura
Faculty/Academic Stream	... Total Arts & Law Science, Food Sci. & IT Commerce & Management
Staff Groups	... Total Professor Associate Professor
Staff regular/temporary	... Total regular staff temporary staff
	...

data stock 401 characteristics	attributes
Study demand	undergraduate admitted
Year	2005
University	Total Colombo Peradeniya Sri Jayawardenepura
Faculty/Academic stream	... Total Arts & Law Science, Food Sci. & IT Commerce & Management
	...

Choose ,year' or ,University' or ,Faculty/Academic Stream' for the common rows or columns of the extension and the initial table unit.

An Example for table extension

Let's assume that you need a table to compare personnel and students at the university of Colombo

	College Staff
	Scientific and creative arts staff
	Colombo
Year	Number
2005	474

	College Staff
	Scientific and creative arts staff
	Colombo
Year	Number
2005	474
Extension with enroled students	senseless

You are begining with the staff in columns and year in rows...

...the complement with students in rows would be senseless, and so the system would offer no data

	College Staff	Study demand
	Scientific and creative arts staff	Enroled students
	Colombo	Colombo
Year	Number	Number
2005	474	9686

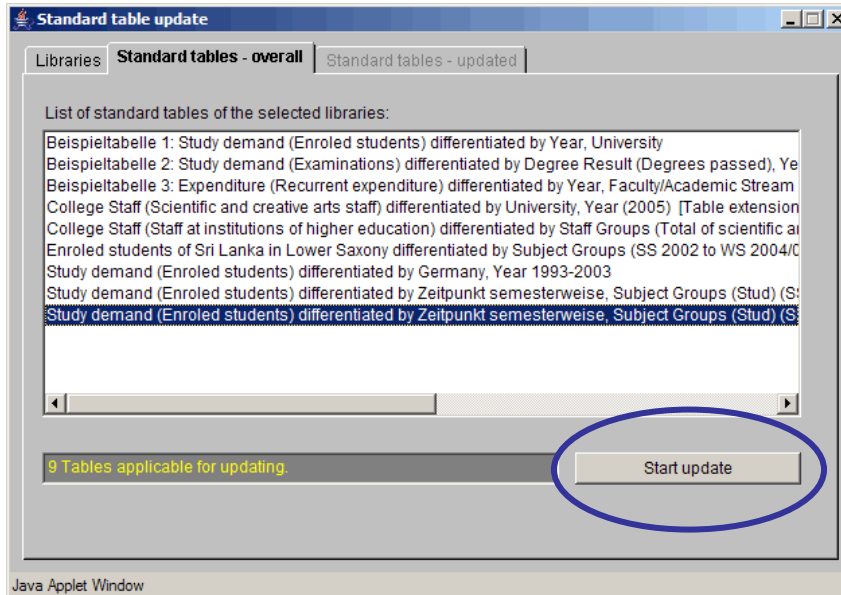
common characteristic

Data stock of staff

Data stock of students

An extension in columns is possible.

Automatic update of standard tables



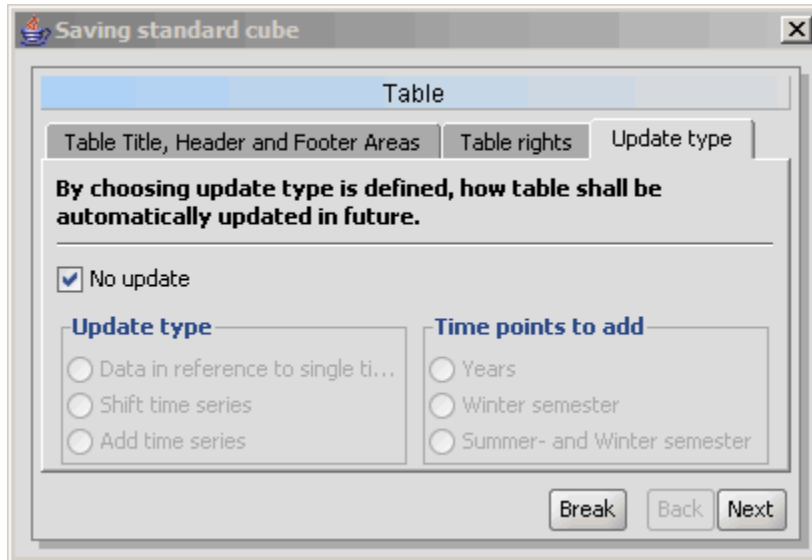
Study demand (Enroled students) nach Zeitpunkt semesterweise (WS 2003/04), Gender, Subject Groups (Stud) (Subject Groups total)

Study demand					
Enroled students					
WS 2003/04					
	Total	Male		Female	
Subject Groups (Stud)	Number(100)	Number	Prozent	Number	Prozent
Subject Groups total	152.058	76.256	50,1	75.802	49,9

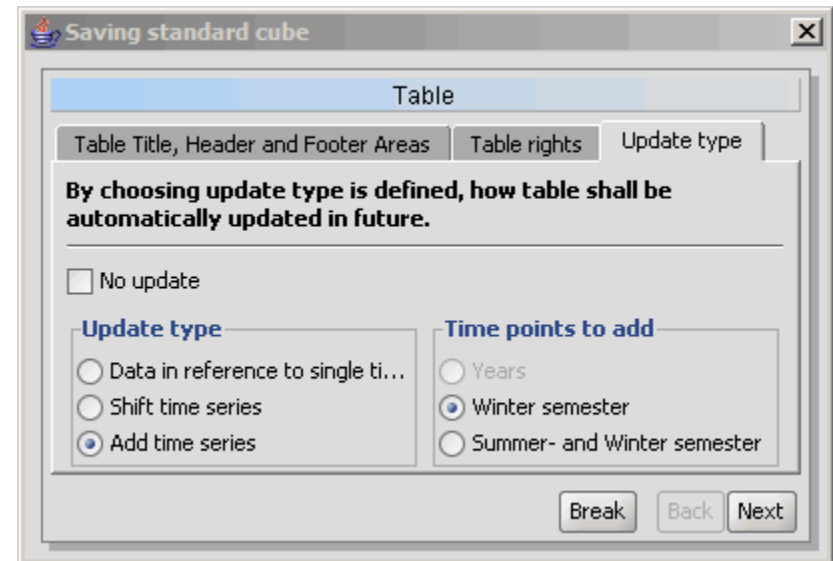
Study demand (Enroled students) differentiated by Zeitpunkt semesterweise (WS 2003/04), Gender, Subject Groups (Stud) (Subject Groups total)

Study demand										
Enroled students										
WS 2003/04						WS 2004/05				
	Total	Male		Female		Total	Male		Female	
Subject Groups (Stud)	Number(100)	Number	Prozent	Number	Prozent	Number(100)	Number	Prozent	Number	Prozent
Subject Groups total	152.058	76.256	50,1	75.802	49,9	154.722	77.234	49,9	77.488	50,1

Choose an update type when you save standard tables



You find the update types on the third tab of the 'Saving standard cube' dialogue. The default setting of the system is „No update“.



Choose the right update type for you.

Which update type is right?

When you appoint the **type of update** you have to ask yourself:

1. Would I like to have a time series?

		Study demand		
		Enroled students		
		2002	2003	2004
Subject Groups (Stud)	Number			
Subject Groups (total)	1.938.811	2.019.465	1.963.108	

Then you have to choose “shift time series”

		Study demand			
		Enroled students			
		2002	2003	2004	2005
Subject Groups (Stud)	Number				
Subject Groups (total)	1.938.811	2.019.465	1.963.108	1.985.765	

2. Or would I like to have only the newest data?

When there is more than one time point in the table, you have to choose “add time series”

		Study demand		
		Enroled students		
		2003	2004	2005
Subject Groups (Stud)	Number			
Subject Groups (total)	2.019.465	1.963.108	1.985.765	

When there is only one time point in the table, you can choose “Data in reference to single time point”

		Study demand
		Enroled students
		2004
Subject Groups (Stud)	Number	
Subject Groups (total)	1.963.108	

		Study demand
		Enroled students
		2005
Subject Groups (Stud)	Number	
Subject Groups (total)	1.985.765	

Change the update type at a later point of time

You can change the update types of standard tables anytime with the Table Management.

- Show the tables and
- click on the button „Structural info“.
- On the tab „Data source/update“ click on the button „Edit type“

The screenshot displays two overlapping windows from a Java Applet. The main window, titled "Standard table management", has three tabs: "Libraries", "Tables", and "Update types". The "Tables" tab is active, showing a list of tables under the heading "Tables of the library: Frie (5)". One table is selected and highlighted in blue. Below the list are buttons for "Structural info" and "Show table", both circled in blue. A "Select alteration type:" dropdown menu is also visible. The second window, titled "Structural table data", has four tabs: "Library / Field", "Authorisations", "Data source / Update", and "Header / Footer". The "Data source / Update" tab is active and circled in blue. It contains a "Data source" field with the value "Statistisches Bundesamt", an "Active update" section with a "Type:" field containing "Zeitreihenergänzung um Daten aus allen Folgesemestern" (circled in blue), and an "Edit type" button (circled in blue). A "Description:" field contains the text "Die Zeitreihe wird fortgesetzt um die vorfindbaren Daten der darauffolgenden Winter- und Sommerseme:", with an "Edit description" button below it.