

# LIBECON Comparative Guidance



# Introductory Page

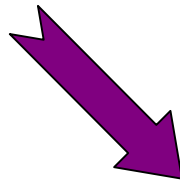
## LibEcon - Public Libraries

The data in this database comes from returns at 30/09/02, and relates to the years 1996 to 2000.

Scatter plots, histograms, rankings, editing data, peer groups, are all possible using this database. See the Help sheet for instructions.

Martin Jennings  
2002

Start



## Comparator Selection

Year of Public Libraries Data: 2000 Grossed

Y value: Recurrent Expenditure (Euros) - Staff

X value: Library Staff FTE - Total Staff

Identify: Spain

Comparison type 1: CEE

Comparison type 2: EU

Comparison type 3: World - B

Plot y/x

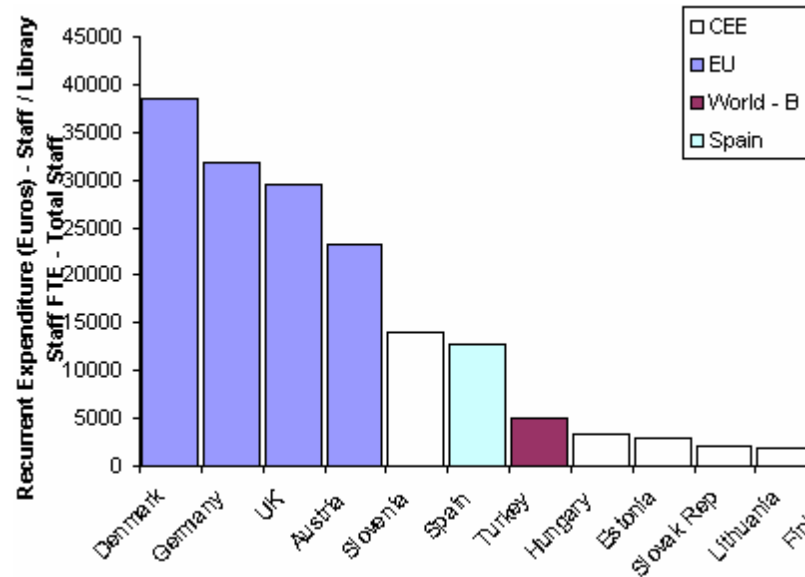
Scatter

Histogram

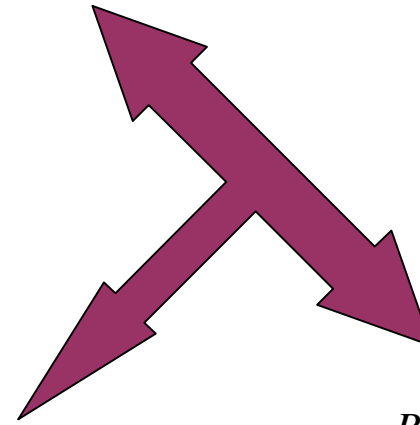
Goto Help

Update Types

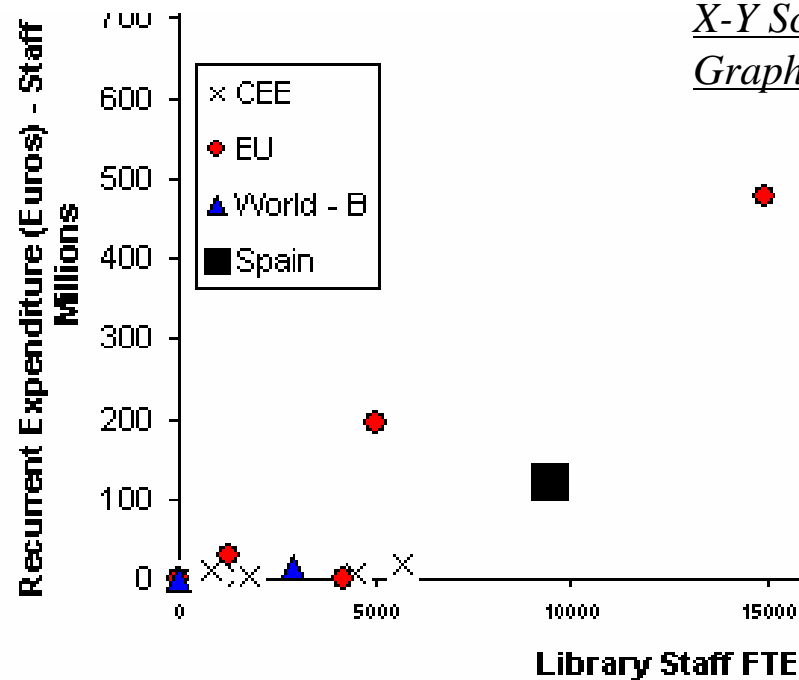
## Format of Results



Histogram



Rankings



X-Y Scatter Graph

Rank	Country	Recurrent Expenditure (Euros) - Staff / Library Staff FTE - Total Staff
1	Denmark	38,417.761
2	Germany	31,839.961
3	UK	29,591.103
4	Austria	23,128.365
5	Slovenia	13,968.269
6	Spain	12,804.203
7	Turkey	4,977.335
8	Hungary	3,438.337
9	Estonia	3,013.901
10	Slovak Rep	2,090.451
11	Lithuania	1,987.31

## How to use the comparative tools

Click on 'drop down boxes' to select;

- Year of data to use
- Any X and Y value from the survey questionnaire
- Subject Country
- Up to 3 groups of countries or totals to compare against

The screenshot displays a software interface for data comparison. It features several input fields and buttons on a yellow background. At the top, a dropdown menu is open for 'Year of Public Libraries Data', showing years from 1996 to 2000, with '2000' selected. Below this, the 'Y value' field is set to 'Recurrent Expenditure (Euros) - Staff' and the 'X value' field is set to 'Library Staff FTE - Total Staff'. An 'Identify' dropdown is set to 'Spain'. At the bottom, three 'Comparison type' dropdowns are set to 'CEE', 'EU', and 'World - B'. A 'Plot y/x' checkbox is checked. Buttons for 'Scatter', 'Histogram', 'Goto Help', and 'Update Types' are also visible.

Year of Public Libraries Data

Y value

Recurrent Expenditure (Euros) - Staff

X value

Library Staff FTE - Total Staff

Identify

Spain

Comparison type 1

CEE

Comparison type 2

EU

Comparison type 3

World - B

Plot y/x

Scatter

Histogram

Goto Help

Update Types

## How to use the comparative tools

Year of Public Libraries Data: 2000

Y value: Recurrent Expenditure (Euros) - Staff

X value: Library Staff FTE - Total Staff

Identify: Spain

Comparison type 1: CEE

Comparison type 2: EU

Comparison type 3: World - B

Buttons: Goto Help, Update Types, Scatter, Histogram

Plot y/x:

Click on 'Plot y/x' box to display y value divided by x value on the graphs

Once the variables and countries to compare have been selected. Press buttons to display the graph required

A help sheet can also be viewed showing;

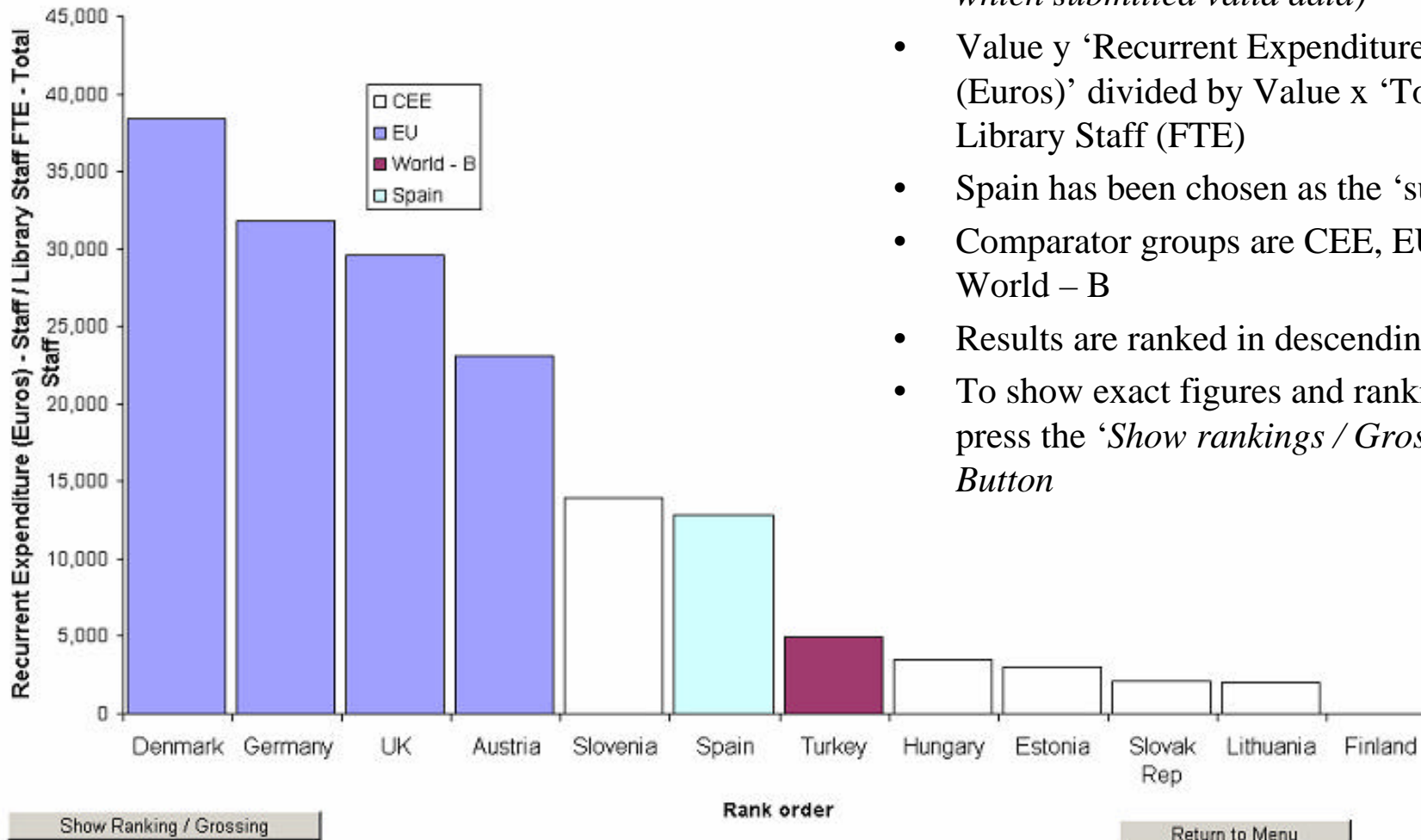
- Data headings available
- Explaining returned and grossed data
- Describing how to personalise the groups of countries available for comparison

Press this button before running comparisons when personalising country types (see in-file help)

## Examples of results - Histogram

The Histogram below shows the following;

- Returned data for the year 2000 (*data is only shown for those countries which submitted valid data*)
- Value y 'Recurrent Expenditure (Euros)' divided by Value x 'Total Library Staff (FTE)
- Spain has been chosen as the 'subject'
- Comparator groups are CEE, EU and World – B
- Results are ranked in descending order
- To show exact figures and rankings press the '*Show rankings / Grossing*' Button



## Example of results - Rankings

Rank	Country	Recurrent Expenditure (Euros) - Staff / Library Staff FTE -	Data
		Total Staff	
1	Luxembourg	41,297.308	Apportioned or estimated from previous years returns
2	Denmark	38,417.761	Returned Data for year 2000
3	Sweden	34,026.009	Apportioned or estimated from previous years returns
4	Germany	31,839.961	Returned Data for year 2000
5	Netherlands	31,722.668	Grossed on regional averages
6	Finland	31,158.851	Apportioned or estimated from previous years returns
7	Italy	30,975.956	Grossed on regional averages
8	Belgium	30,274.257	Apportioned or estimated from previous years returns
9	UK	29,591.103	Returned Data for year 2000
10	France	28,559.509	Apportioned or estimated from previous years returns
11	Austria	23,128.365	Returned Data for year 2000
12	Eire	22,227.962	Apportioned or estimated from previous years returns
13	Spain	21,460.661	Apportioned or estimated from previous years returns
14	Greece	20,782.97	Apportioned or estimated from previous years returns
15	Slovenia	13,968.269	Returned Data for year 2000
16	Portugal	9,241.065	Apportioned or estimated from previous years returns
17	Turkey	4,977.335	Returned Data for year 2000
18	Mexico	4,977.314	Grossed on regional averages
19	Poland	3,666.804	Grossed on regional averages
20	Hungary	3,438.337	Returned Data for year 2000
21	Czech Republic	3,427.8	Apportioned or estimated from previous years returns
22	Estonia	3,013.901	Returned Data for year 2000
23	Latvia	2,481.873	Apportioned or estimated from previous years returns
24	Slovak Rep	2,090.451	Returned Data for year 2000
25	Lithuania	1,987.31	Returned Data for year 2000
26	Bulgaria	1,163.678	Apportioned or estimated from previous years returns
27	Romania	565.734	Apportioned or estimated from previous years returns

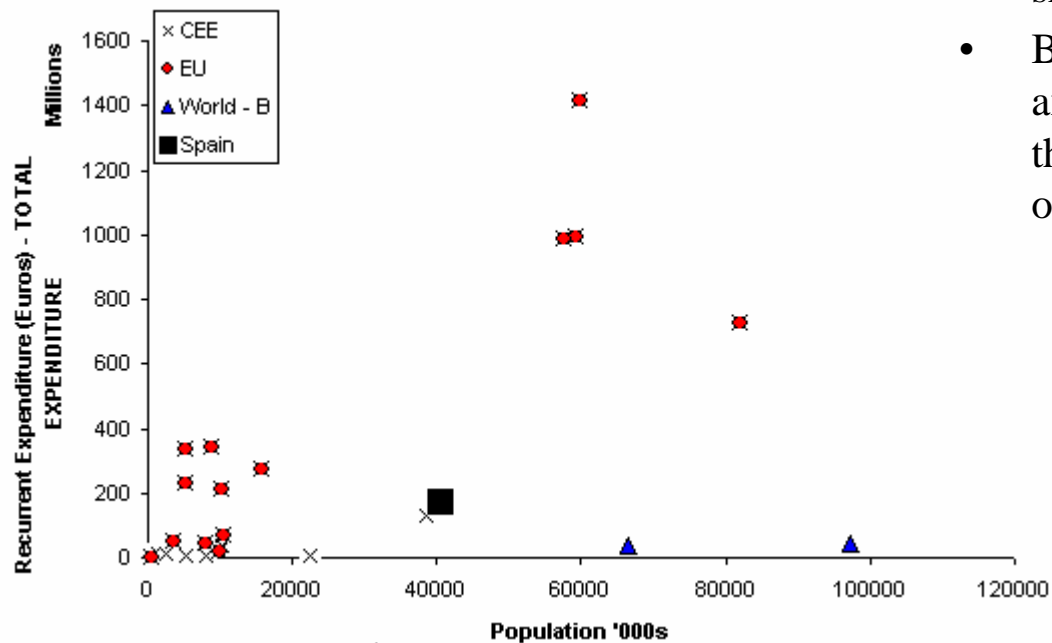
Pressing the Rankings button displays the following;

- Countries are listed in descending order
- Again the example shows  $y = \text{Staff Expenditure} / x = \text{Staff FTE}$
- In this case the grossed figures from the year 2000 have been selected
- The column headed 'Data' is used to indicate whether data is real, apportioned or grossed. See 'in-file Help' for detailed explanation.

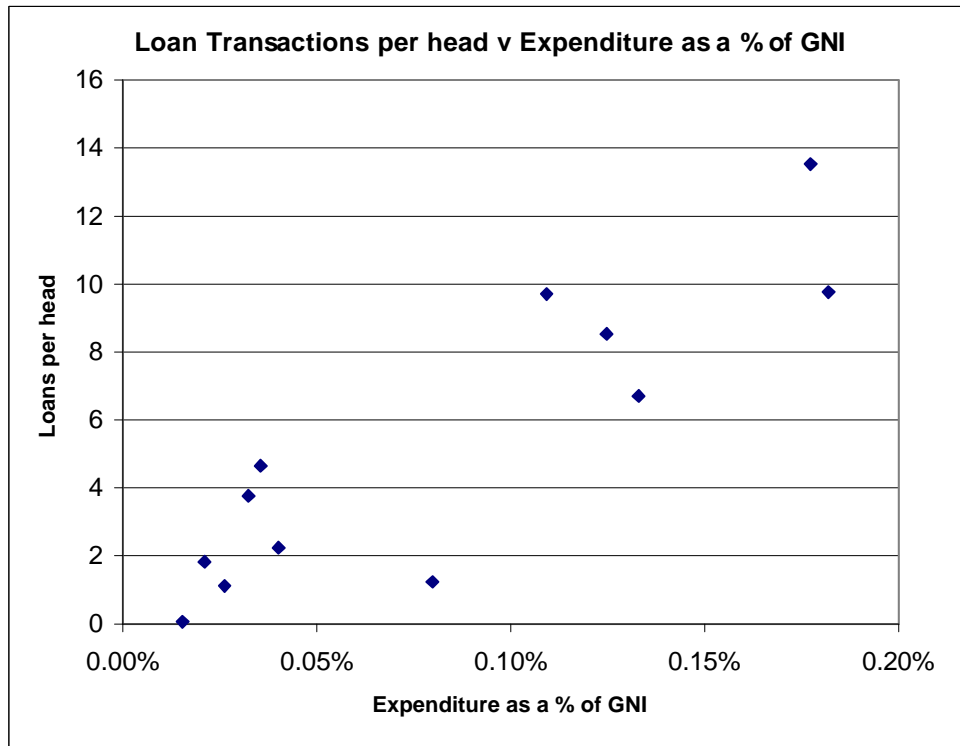
## Example of results – Scatter graph

Pressing the Scatter button displays the following;

- Countries are plotted on x and y axes
- The example shows  $y = \text{Total Expenditure}$  and  $x = \text{population ('000s)}$
- Different comparator groups will be shown with different symbols.
- By ticking the 'Plot  $y/x$ ' box then the y axis will show the value  $y$  divided by  $x$  this will be plotted against the  $x$  value on the x axis



## Adding additional columns to the data



Additional columns of data can be added to the database by adding columns to the end of the data in each datasheet (headed 1996, 1997, 1998, 1999, 2000, 2000 Grossed). The heading will appear at the end of the list in the drop down boxes for x and y values.

This can be used in the following ways;

- For summing together existing lines of data (e.g. adding the data from additions of books and electronic equipment).
- For adding in calculations such as expenditure per 1,000 population
- For adding in additional information, such as Gross National Income
- Further study can then be carried out as shown in the example on the left.

For further information on LIBECON please  
visit the following web address

[www.libecon.org](http://www.libecon.org)

Or contact Martin Jennings on;

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