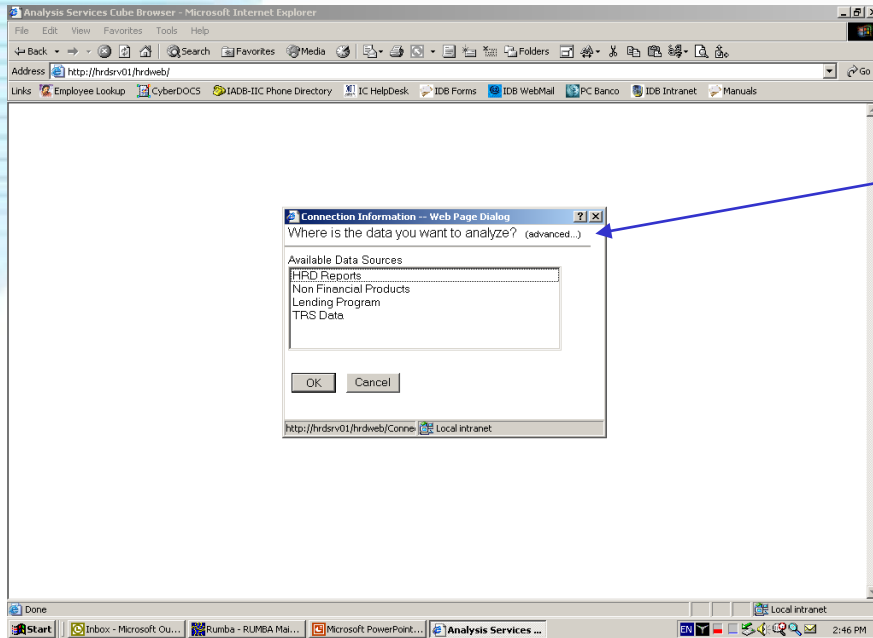


Reporting

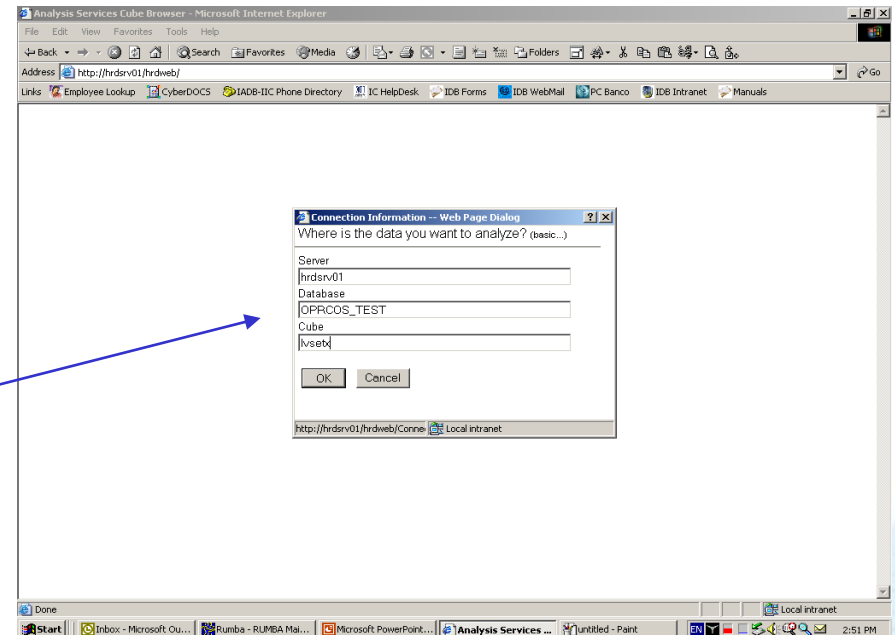
Basic Requirements for Reporting

- Access to an OLAP cube in SQL server
- Internet Explorer
- Excel 2000

Analysis Services Cube Browser



Select Advance



Input Cube location and name

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IAD8-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, Sex

Field List

Query Results

Drop filter fields here

Corporation	Measures
All Corporation	2034

Change Cubes | MDX | Properties

Done Local intranet

Cube's structure
(Dimensions)

Cube's total
number of
elements

(cont.)

Analysis Services Cube Browser

Click on a Dimension →

The screenshot displays the Analysis Services Cube Browser interface within a Microsoft Internet Explorer browser window. The browser's address bar shows the URL `http://hrdsrv01/hrdweb/default.asp`. The interface is divided into several sections:

- Reports:** A tabbed view currently showing the 'Field List'.
- Field List:** A tree view of dimensions. The 'Affinity' dimension is expanded, showing sub-dimensions like '(All)', 'Affinity', and 'Full Name'. Other dimensions listed include 'Birth Country Cd', 'Corporation', 'Employee Number', 'Grade', 'Grade Order', 'Location Cd', 'Lynotes', 'Measures', 'Nationality Cd', 'Operat', 'Org Unit Code', 'Position Cat Cd', and 'Sex'.
- Query Results:** A table displaying the results of a query. The table has a header row with 'Corporation' and 'Measures'. The 'Measures' column is further divided into 'To Of'. The data row shows 'All Corporation' with a value of 2034.

Corporation	Measures
	To Of
All Corporation	2034

(cont.)

Analysis Services Cube Browser

Drag Affinity on top of Corporation

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports

- Affinity
 - (All)
 - Affinity
 - Full Name
- Birth Country Cd
- Corporation
- Employee Number
- Grade
- Grade Order
- Location Cd
- Lvnotes
- Measures
- Nationality Cd
- Operat
- Org Unit Code
- Position Cat Cd
- Sex

Field List

Query Results

Drop filter fields here

Measures	
Corporation	2034
All Corporation	2034

Done Local intranet

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, Sex

Field List

Query Results

Drop filter fields here

Corporation	Affinity	Measures
All Corporation	I	1651
	L	383

Done Local intranet

(cont.)

Analysis Services Cube Browser

Drag All on top of Affinity



Analysis Services Cube Browser - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://hrdsrv01/hrdweb/default.asp>

Links Employee Lookup CyberDOCS IADB-IIC Phone Directory IC HelpDesk IDB Forms IDB WebMail PC Banco IDB Intranet Manuals

Reports Field List **Query Results** Change Cubes | MDX | Properties

Drop filter fields here

Corporation		Affinity		Measures	
					No Of
All Corporation	I				1651
	L				383

Done Local intranet

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, Sex

Field List

Query Results

Drop filter fields here

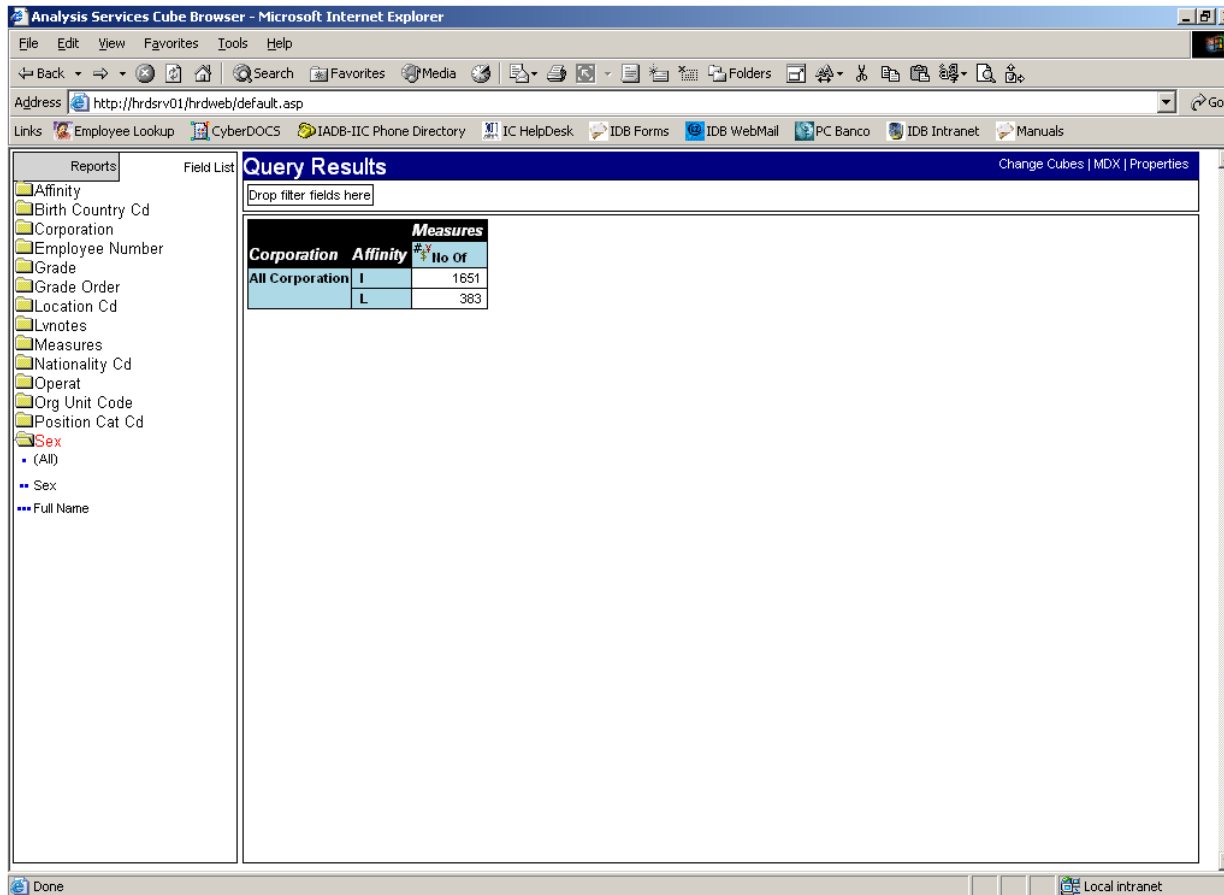
Corporation	Affinity	Measures
		No Of
All Corporation	All Affinity	2034
	I	1651
	L	383

Done Local intranet

(cont.)

Analysis Services Cube Browser

Click on
another
Dimension



Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports

Field List

Query Results

Drop filter fields here

Corporation	Affinity	Measures
		No Of
All Corporation	I	1651
	L	383

Done Local intranet

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Field List

- Reports
- Field List
 - Affinity
 - Birth Country Cd
 - Corporation
 - Employee Number
 - Grade
 - Grade Order
 - Location Cd
 - Lvnotes
 - Measures
 - Nationality Cd
 - Operat
 - Org Unit Code
 - Position Cat Cd
 - Sex
 - (All)
 - Sex
 - Full Name

Query Results

Drop filter fields here

Corporation	Affinity	Measures
All Corporation	I	1651
L	L	383

Done Local intranet

Drag Gender on top of Measures

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: <http://hrdsrv01/hrdweb/default.asp>

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, Sex

Field List

Query Results

Drop filter fields here

Corporation	Affinity	Measures Sex	
		F	M
All Corporation	I	786	865
	L	236	147

Done Local intranet

(cont.)

Analysis Services Cube Browser

Drag All on top of Affinity →

Analysis Services Cube Browser - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://hrdsrv01/hrdweb/default.asp>

Links Employee Lookup CyberDOCS IADB-IIC Phone Directory IC HelpDesk IDB Forms IDB WebMail PC Banco IDB Intranet Manuals

Reports Field List **Query Results** Change Cubes | MDX | Properties

Drop filter fields here

		Measures Sex	
		# of	
Corporation	Affinity	M	F
All Corporation	I	786	865
	L	236	147

Done Local intranet

(cont.)

Analysis Services Cube Browser

The screenshot shows the Analysis Services Cube Browser interface in Microsoft Internet Explorer. The browser window title is "Analysis Services Cube Browser - Microsoft Internet Explorer". The address bar shows "http://hrdsrv01/hrdweb/default.asp". The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help), a toolbar with navigation and utility icons, and a link bar with "Employee Lookup", "CyberDOCS", "IADB-IIC Phone Directory", "IC HelpDesk", "IDB Forms", "IDB WebMail", "PC Banco", "IDB Intranet", and "Manuals".

The main content area is divided into two panes. The left pane, titled "Field List", contains a tree view of dimensions: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lnnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, and Sex. The right pane, titled "Query Results", contains a table with the following data:

		Measures Sex	
		F	M
Corporation	Affinity		
All Corporation	All Affinity	1022	1012
	I	786	865
	L	236	147

A blue arrow points to the "I" row under the "Affinity" column in the table.

(cont.)

Analysis Services Cube Browser

Drag All on top of Gender →

The screenshot shows the Analysis Services Cube Browser interface in Microsoft Internet Explorer. The browser window title is "Analysis Services Cube Browser - Microsoft Internet Explorer". The address bar shows "http://hrdsrv01/hrdweb/default.asp". The main content area is divided into a "Field List" on the left and a "Query Results" pane on the right. The "Field List" contains a tree view of dimensions and measures, including "Sex" with sub-items "(All)", "Sex", and "Full Name". The "Query Results" pane displays a table with the following data:

Corporation	Affinity	Measures: Sex	
		F	M
All Corporation	All Affinity	1022	1012
	I	786	865
	L	236	147

(cont.)

Analysis Services Cube Browser

The screenshot shows the Analysis Services Cube Browser interface in Microsoft Internet Explorer. The browser window title is "Analysis Services Cube Browser - Microsoft Internet Explorer". The address bar shows "http://hrdsrv01/hrdweb/default.asp". The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help), a toolbar with navigation and utility icons, and a link bar with "Employee Lookup", "CyberDOCS", "IADB-IIC Phone Directory", "IC HelpDesk", "IDB Forms", "IDB WebMail", "PC Banco", "IDB Intranet", and "Manuals".

The main content area is divided into three sections: "Reports", "Field List", and "Query Results". The "Reports" section on the left contains a tree view of dimensions: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnates, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, and Sex. The "Field List" section is currently empty. The "Query Results" section displays a table with the following data:

		Measures Sex		
		No Of		
Corporation	Affinity	All Sex	F	M
All Corporation	All Affinity	2034	1022	1012
	I	1651	786	865
	L	383	236	147

A blue arrow points from the text "Report on total staff by Gender and Affinity" to the table. The status bar at the bottom shows "Done" and "Local intranet".

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnets, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, Sex

Field List

Query Results Change Cubes | MDX | Properties

Drop filter fields here

Corporation	Affinity	Measures Sex		
		All Sex	F	M
All Corporation	All Affinity	2034	1022	1012
	I	1651	786	865
	L	383	236	147

Click on MDX

Done Local intranet

(Cont.)

Analysis Services Cube Browser

The screenshot displays the Analysis Services Cube Browser in Microsoft Internet Explorer. The browser window title is "Analysis Services Cube Browser - Microsoft Internet Explorer". The address bar shows "http://hrdsrv01/hrdweb/default.asp". The main content area is divided into "Reports" and "Field List" panes. The "Field List" pane shows a tree view of dimensions: Affinity, Birth Country Cd, Corporation, Employee Number, Grade, Grade Order, Location Cd, Lvnotes, Measures, Nationality Cd, Operat, Org Unit Code, Position Cat Cd, and Sex. A dialog box titled "MDX Update -- Web Page Dialog" is open, displaying an MDX query:

```
SELECT
  {{{[Corporation].[All Corporation]}*{[Affinity].[All Affinity],
  [Affinity].[All Affinity].[I],[Affinity].[All Affinity].[L]}}}
ON ROWS,
  {{{[Measures].[No of]}}*{[Sex].[All sex],[Sex].[All sex].[F],[Sex].[All
  Sex].[M]}}
ON COLUMNS
FROM [LVSETX]
```

An arrow points from the text "Corresponding SQL Statement" to the MDX query text in the dialog box. The dialog box has "OK" and "Cancel" buttons at the bottom. The status bar at the bottom of the browser shows "http://hrdsrv01/hrdweb/showMDX.htm" and "Local intranet". The Windows taskbar at the bottom shows the Start button, several open applications (Inbox - Microsoft..., Rumba - RUMBA..., Microsoft Power..., untitled - Paint), and the Analysis Services... application. The system tray shows the time as 4:42 PM.

(cont.)

Analysis Services Cube Browser

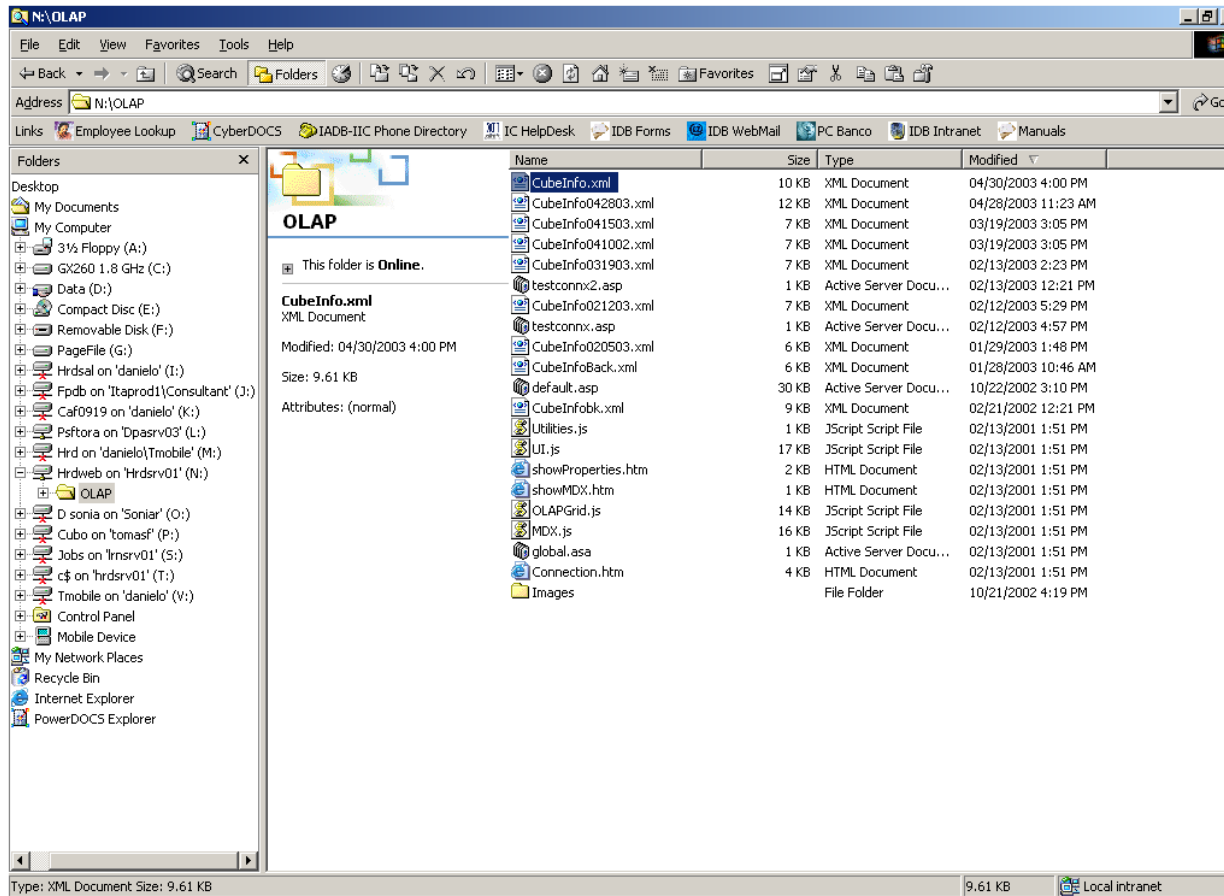
The screenshot displays the Analysis Services Cube Browser in Microsoft Internet Explorer. The browser window shows the URL `http://hrdsrv01/hrdweb/default.asp`. On the left, there is a 'Reports' pane with a tree view containing folders for 'Affinity', 'Birth Country Cd', 'Corporation', 'Employee Number', 'Grade', 'Grade Order', 'Location Cd', 'Lynotes', 'Measures', 'Nationality Cd', 'Operat', 'Org Unit Code', 'Position Cat Cd', and 'Sex'. The main area is titled 'MDX Update -- Web Page Dialog' and contains an MDX query:

```
SELECT
  {[Corporation].[All Corporation]}*{Affinity].[All Affinity],
  [Affinity].[All Affinity].[I],[Affinity].[All Affinity].[L]}
ON ROWS,
  {[Measures].[No of]}*{Sex}.[All Sex],[Sex].[All Sex].[F],[Sex].[All
  Sex].[M]}
ON COL
```

A context menu is open over the query text, with 'Copy' selected. A blue arrow points from the text 'Copy to XML Form into CuboInfo.xml' to the 'Copy' option in the menu. The dialog box has 'OK' and 'Cancel' buttons at the bottom. The status bar at the bottom of the browser shows the URL `http://hrdsrv01/hrdweb/showMDX.htm` and 'Local intranet'.

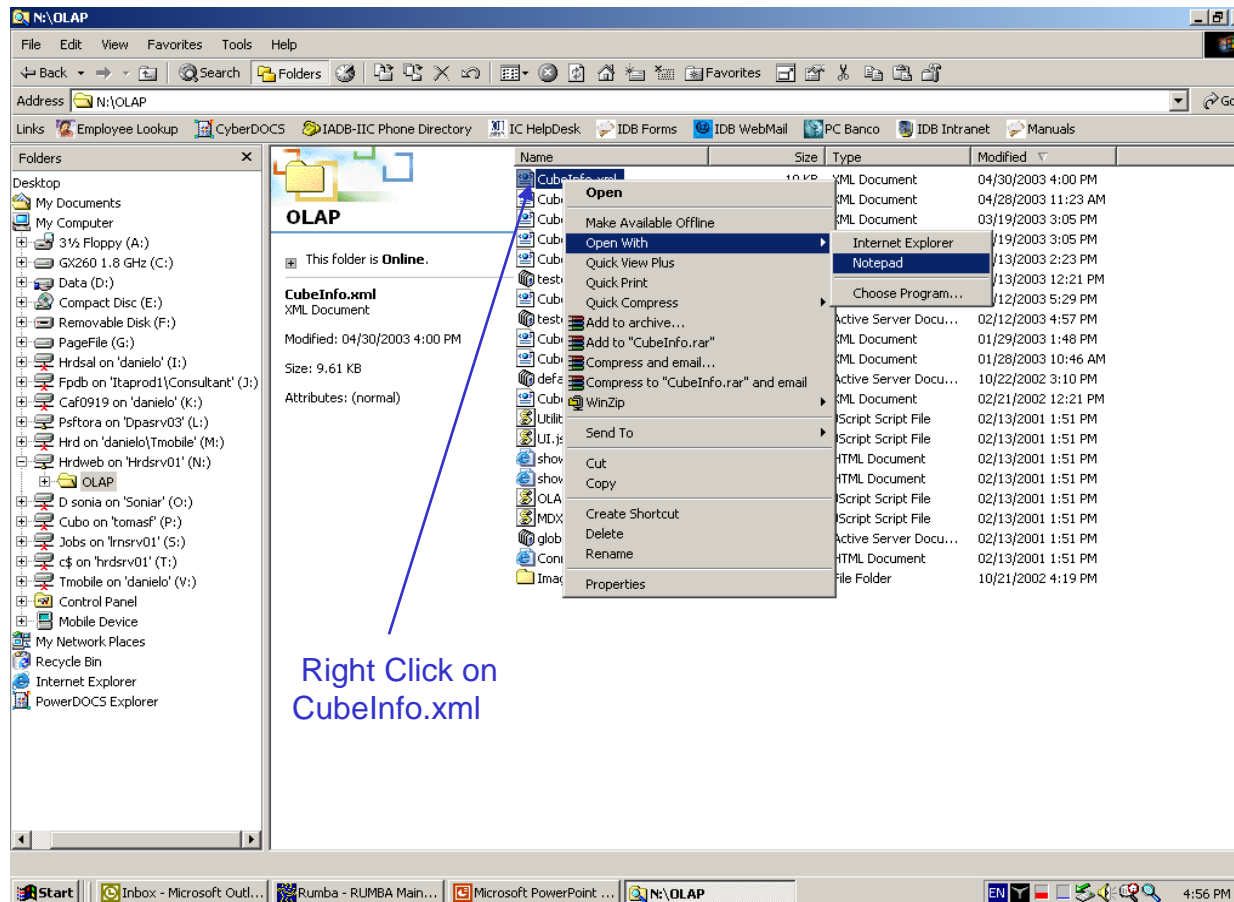
(cont.)

Analysis Services Cube Browser



(cont.)

Analysis Services Cube Browser



Right Click on
CubeInfo.xml

(cont.)

Analysis Services Cube Browser

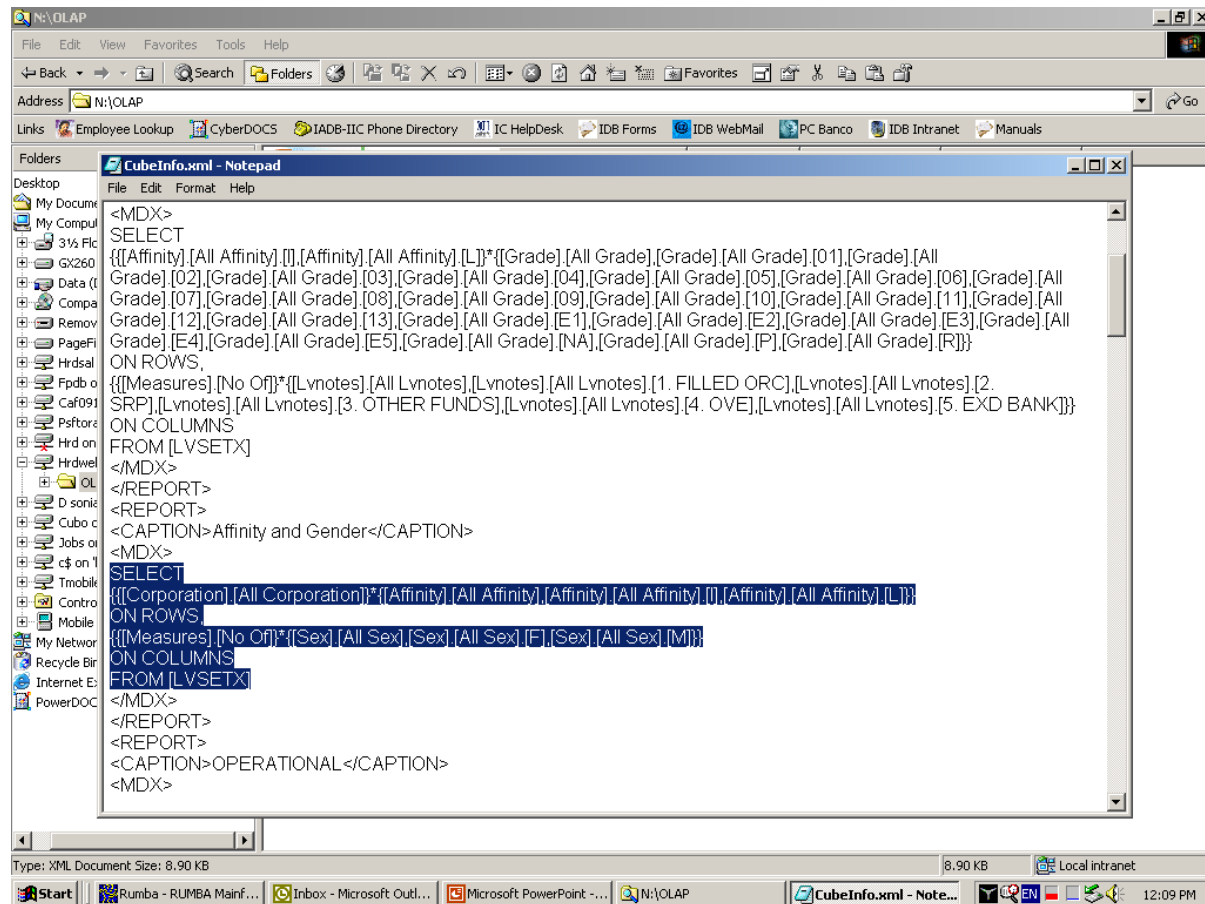
Insert SQL Statement

The screenshot shows a Notepad window titled "CubeInfo.xml - Notepad" with the following content:

```
<NAME>LVSETX</NAME>
<CAPTION>HRD Reports</CAPTION>
<REPORT>
<CAPTION>IDB Staff</CAPTION>
<MDX>
SELECT
{{{Affinity} [All Affinity] [0],[Affinity] [All Affinity] [L]}*[[Grade] [All Grade].[Grade] [All Grade].[01],[Grade] [All
Grade].[02],[Grade] [All Grade].[03],[Grade] [All Grade].[04],[Grade] [All Grade].[05],[Grade] [All Grade].[06],[Grade] [All
Grade].[07],[Grade] [All Grade].[08],[Grade] [All Grade].[09],[Grade] [All Grade].[10],[Grade] [All Grade].[11],[Grade] [All
Grade].[12],[Grade] [All Grade].[13],[Grade] [All Grade].[E 1],[Grade] [All Grade].[E2],[Grade] [All Grade].[E3],[Grade] [All
Grade].[E4],[Grade] [All Grade].[E5],[Grade] [All Grade].[NA],[Grade] [All Grade].[P],[Grade] [All Grade].[R]]}}
ON ROWS,
{{{Measures} [No Of]*[[Lvnnotes] [All Lvnnotes].[Lvnnotes] [All Lvnnotes].[1. FILLED ORC],[Lvnnotes] [All Lvnnotes].[2.
SRP],[Lvnnotes] [All Lvnnotes].[3. OTHER FUNDS],[Lvnnotes] [All Lvnnotes].[4. OVE],[Lvnnotes] [All Lvnnotes].[5. EXD BANK]]}}
ON COLUMNS
FROM [LVSETX]
</MDX>
</REPORT>
<REPORT>
<CAPTION>Affinity and Gender</CAPTION>
<MDX>
</MDX>
</REPORT>
<REPORT>
<CAPTION>OPERATIONAL</CAPTION>
<MDX>
SELECT
```

The Notepad window is overlaid on a web browser window showing the file "N:\OLAP". The browser's address bar contains "N:\OLAP" and the "Folders" pane on the left shows a tree view of the local drive. The taskbar at the bottom includes the Start button and several open applications: Rumba - RUMBA Main..., Inbox - Microsoft Out..., Microsoft PowerPoint..., and N:\OLAP.

Analysis Services Cube Browser



(cont.)

Analysis Services Cube Browser

Menu's
new report

Analysis Services Cube Browser - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://hrdsrv01/hrdweb/default.asp

Links Employee Lookup CyberDOCS IADB-IIC Phone Directory IC HelpDesk IDB Forms IDB WebMail PC Banco IDB Intranet Manuals

Reports Field List

- IDB Staff
- Affinity and Gender
- OPERATIONAL
- NATIONALITY

Query Results

Drop filter fields here

Corporation	Measures
All Corporation	2034

Done

Start Rumba - RUMBA Mainfra... Inbox - Microsoft Outlook Microsoft PowerPoint - [M... Analysis Services Cub... Local Intranet 12:12 PM

(cont.)

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: IDB Staff, **Affinity and Gender**, OPERATIONAL, NATIONALITY

Field List

Query Results

Drop filter fields here

Corporation	Affinity	Measures Sex		
		All Sex	F	M
All Corporation	All Affinity	2034	1022	1012
	I	1651	786	865
	L	383	236	147

New Report "Affinity and Gender"

Done

Local intranet

Start | Rumba - RUMBA Mainfra... | Inbox - Microsoft Outlook | Microsoft PowerPoint - [M... | Analysis Services Cub... | 12:14 PM

Select specific Report →

The screenshot shows a web browser window titled "Analysis Services Cube Browser - Microsoft Internet Explorer". The address bar shows "http://hrdsrv01/hrdweb/default.asp". The main content area is titled "Query Results" and contains a table with the following data:

		Measures Lvnotes					
		No Of					
Affinity Grade	All Lvnotes	1. FILLED ORC	2. SRP	3. OTHER FUNDS	4. OVE	5. EXD BANK	
I	All Grade	1651	1556	11	36	25	23
	01	62	59		2	1	
	02	80	74	1		3	
	03	239	233		3	3	
	04	292	275	1	8	8	
	05	182	175	3	4		
	06	142	131	1	7	2	1
	07	101	100			1	
	08	60	59				1
	09	66	64		2		
	10	183	160	2	3	2	16
	11	108	102	1	2	3	
	12	34	33	1			
	13	1	1				
	E1	1	1				
	E2	1	1				
	E3	15	13		1	1	
	E4	6	6				
	E5	22	19	1	1	1	
	HA	27	21		1		5
	P	1	1				
	R	28	28				
L	All Grade	383	370		13		
	01	2	2				
	02	31	31				
	03	20	20				
	04	46	46				
	05	74	74				

Analysis Services Cube Browser

Analysis Services Cube Browser - Microsoft Internet Explorer

Address: http://hrdsrv01/hrdweb/default.asp

Links: Employee Lookup, CyberDOCS, IADB-IIC Phone Directory, IC HelpDesk, IDB Forms, IDB WebMail, PC Banco, IDB Intranet, Manuals

Reports: IDB Staff, Affinity and Gender, OPERATIONAL, NATIONALITY

Field List

Query Results

Drop filter fields here

Affinity	Grade	Measures Lvnotes					
		All Lvnotes	1. FILLED ORC	2. SRP	3. OTHER FUNDS	4. OVE	5. EXD BANK
I	All Grade	1651	1556	11	36	25	23
	01	52	59		2	1	
	02	30	74	1	2	3	
	03	233	233		3	3	
	04	292	275	1	3	3	
	05	182	175	3	4		
	06	142	131	1	7	2	
	07	101	100		1		
	08	50	59				
	09	56	54		2		
	10	183	160	2	3	2	
	11	108	102	1	2	3	
	12	34	33	1			
	13	1	1				
	E1	1	1				
	E2	1	1				
	E3	15	13		1	1	
	E4	5	5				
	E5	22	19	1	1	1	
	NA	27	21		1		5
	P	1	1				
	R	28	28				
L	All Grade	383	370		13		
	01	2	2				
	02	31	31				
	03	20	20				
	04	48	46				
	05	74	74				

Context Menu: Cut, Copy, Paste, Select All, Print, Highlight, Web Search

Copy to Excel

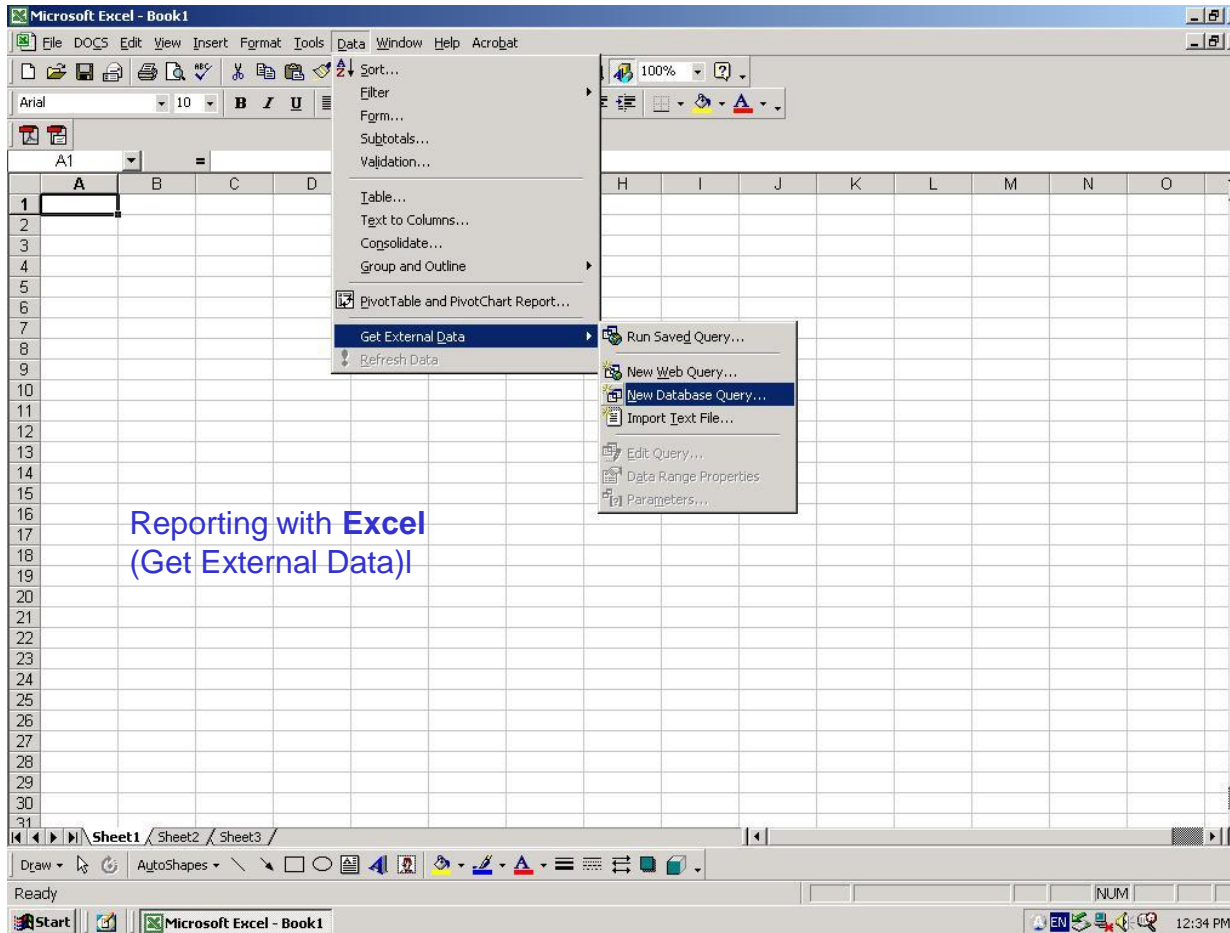
Start | Rumba - RUMBA Mainf... | Inbox - Microsoft Out... | Microsoft PowerPoint... | Analysis Services C... | Local Intranet | 12:39 PM

Analysis Services Cube Browser

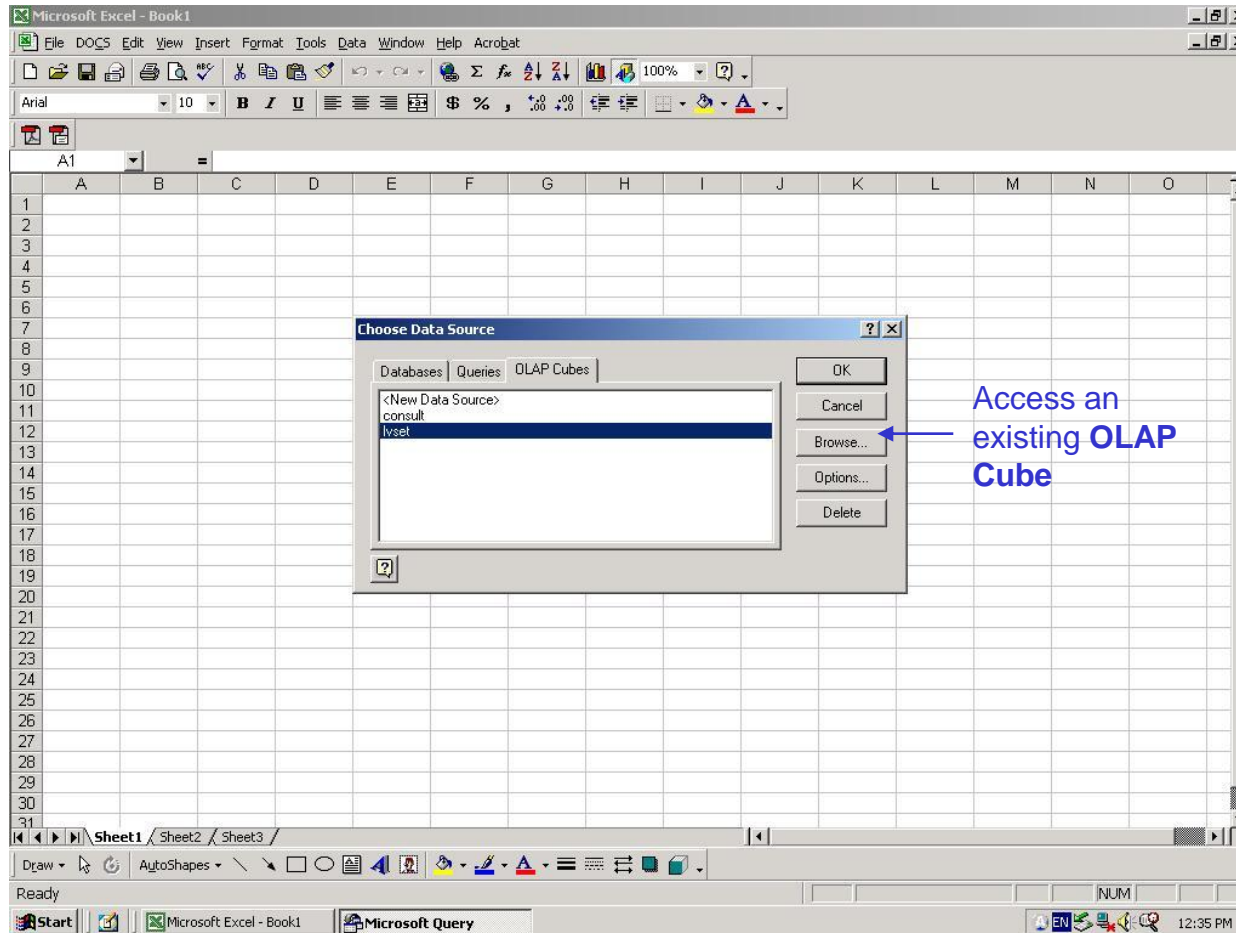
The screenshot shows a Microsoft Excel spreadsheet with the following data:

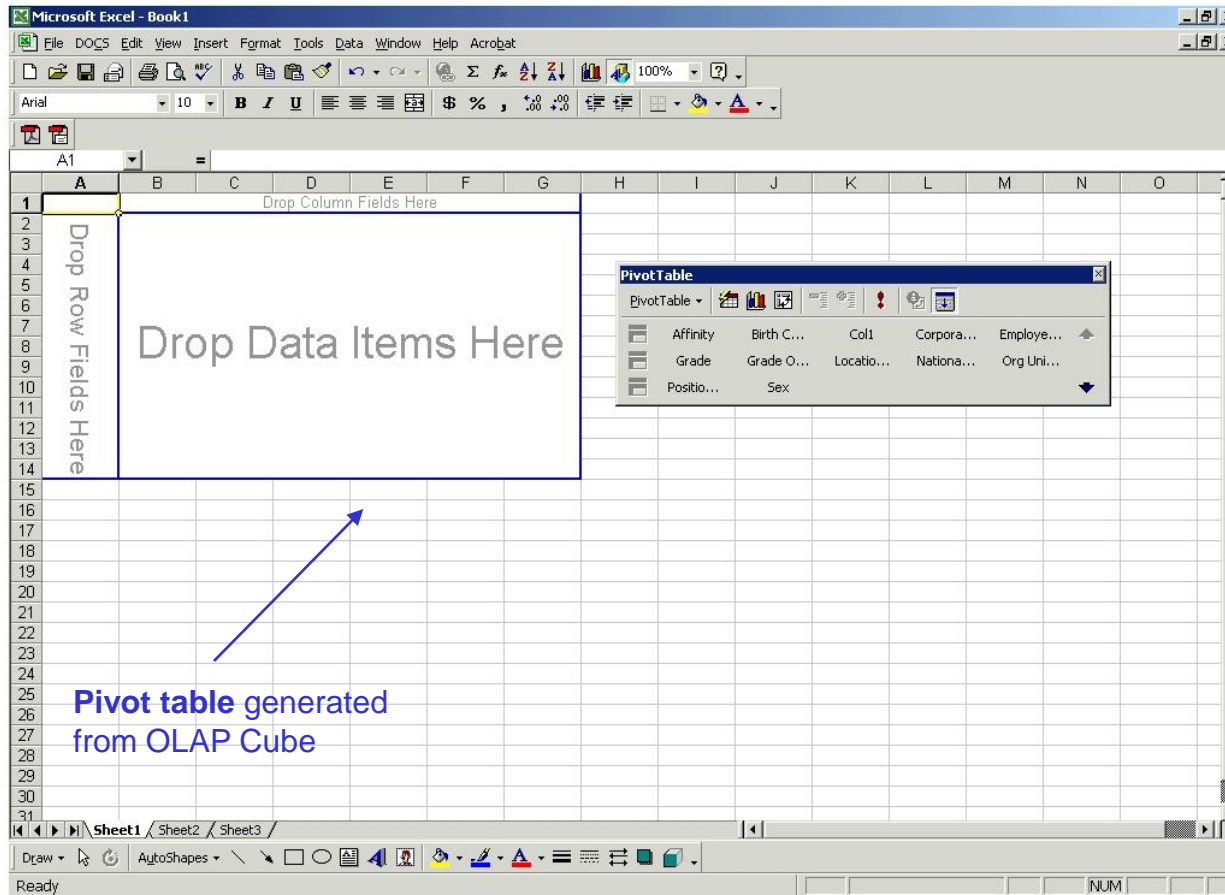
	2. SRP	3. OTHER FUNDS	4. OVE	5. EXD BANK
	11	36	25	23
	2	1		
	1	2	3	
		3	3	
	1	8	8	
	3	4		
	1	7	2	1
			1	
				1
		2		
	2	3	2	16
	1	2	3	
	1			

The Print menu is open, and a blue arrow points to the 'Print...' option with the text 'Report ready to be printed'.



Reporting with Excel
(Get External Data)





Microsoft Excel - Book1

File DOCMS Edit View Insert Format Tools Data Window Help Acrobat

Arial 10 B I U

A1 = No Of

No Of	Sex	Grand Total *	
Grade	F	M	
01	13	47	60
02	12	73	85
03	60	182	242
04	71	217	288
05	76	101	177
06	72	63	135
07	68	33	101
08	41	13	54
09	52	16	68
10	168	18	186
11	101	9	110
12	28	4	32
13	1		1
E1		1	1
E2		1	1
E3	1	14	15
E4	1	4	5
E5	3	18	21
NA	11	13	24
P		1	1
R	2	27	29
Total *	781	855	1636
L	01		2
	02	30	30
	03	9	12
	04	51	1
	05	67	2
	06	48	1
	07	9	

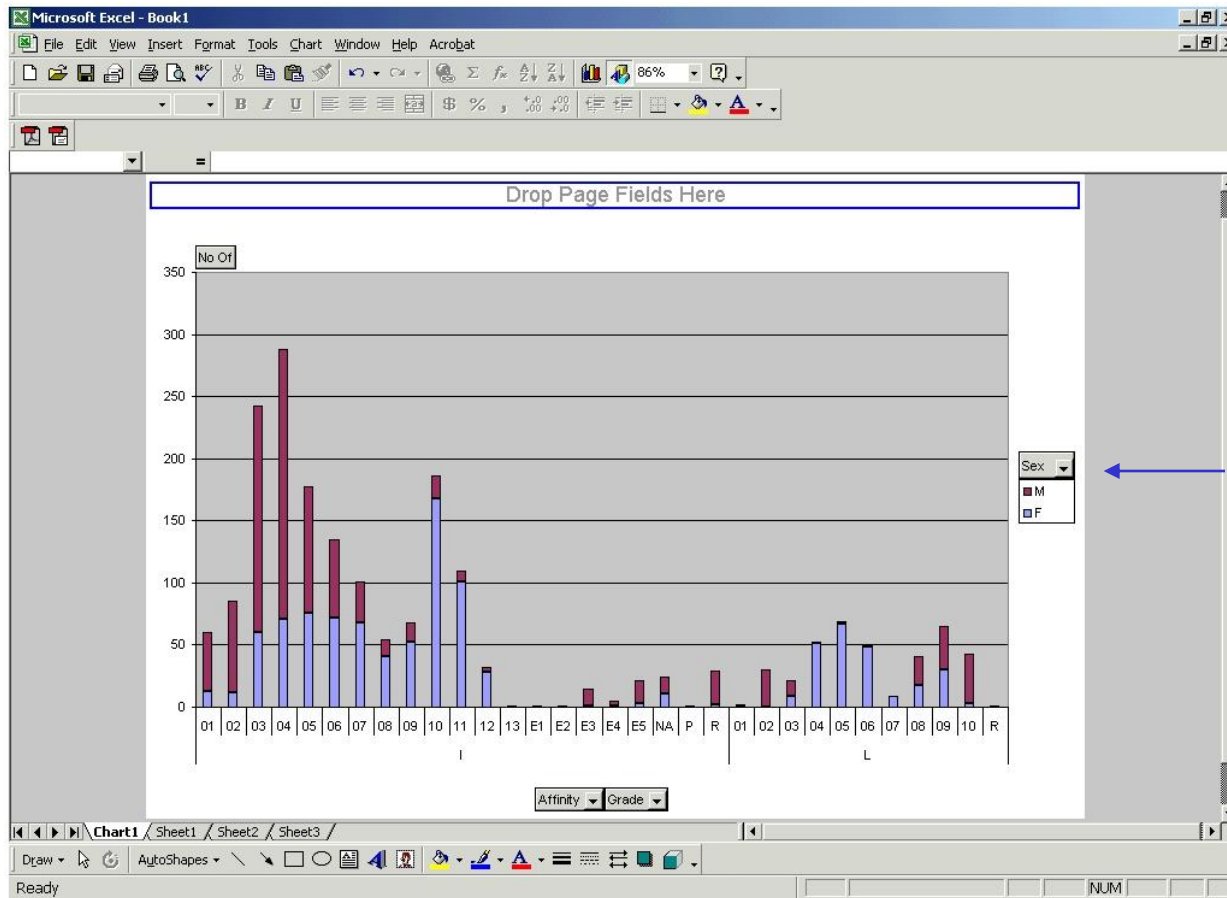
PivotTable

PivotTable -

Position... Sex

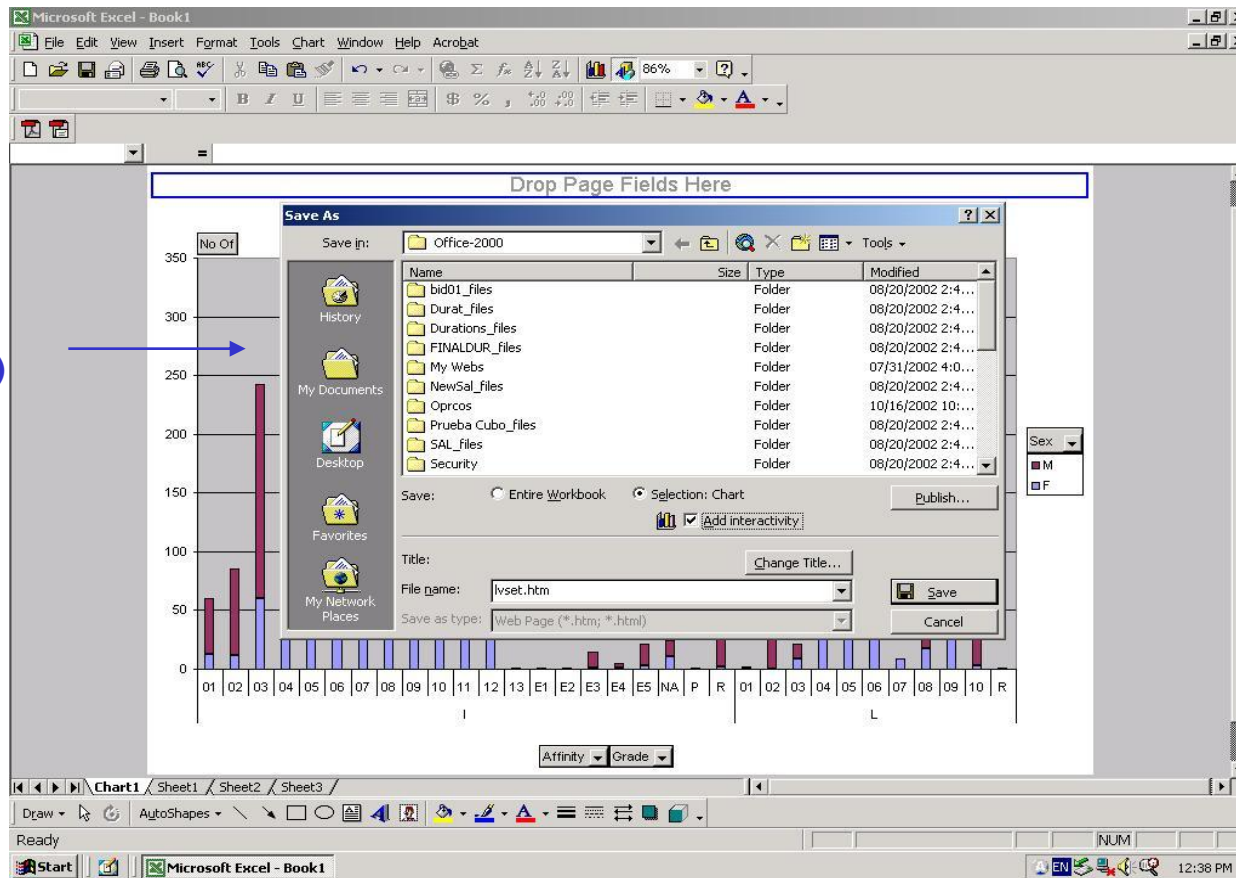
No Of

Report creation (Pivot Table)



Graphic representation (Interactive)

Report creation
(Browser version)



Final Interactive Web Report

