Business Objects XI – Web Intelligence

Lab Book

Document Revision History

Date	Revision No.	Author	Summary of Changes
11-Aug-2009		Mahesh Dubey	Content Creation
20-Aug-2009		CLS team	Review
20-Apr-2011		Vandana	Review and Revamp
12-Aug-2011		CLS Team	Format Changes

Table of Contents

Getting Started

Overview

This lab book is a guided tour for learning Business Objects XI – Web Intelligence. It comprises solved examples and 'To Do' assignments. Follow the steps provided in the solved examples and work out the given 'To Do' assignments.

Setup Checklist for Business Objects XI – Web Intelligence

Here is what is expected on your machine in order for the lab to work.

Minimum System Requirements

- Intel Pentium 90 or higher (P166 recommended)
- Microsoft Windows 95, 98, or NT 4.0, 2k, XP.
- Memory: 32MB of RAM (64MB or more recommended)
- Internet Explorer 6.0 or higher

Please ensure that the following is done:

- NA

Instructions

- Create a directory by your name in drive <drive>. In this directory, create a subdirectory WebI_assgn. For each lab exercise create a directory as lab <lab number>.

Learning More (Bibliography if applicable)

- NA

Lab 1. Creating a Simple Report

Goals	• Create a simple report • Use the Query View • Use the Report View • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	20 minutes

1.1: Create the first report by using eFashion universe.

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

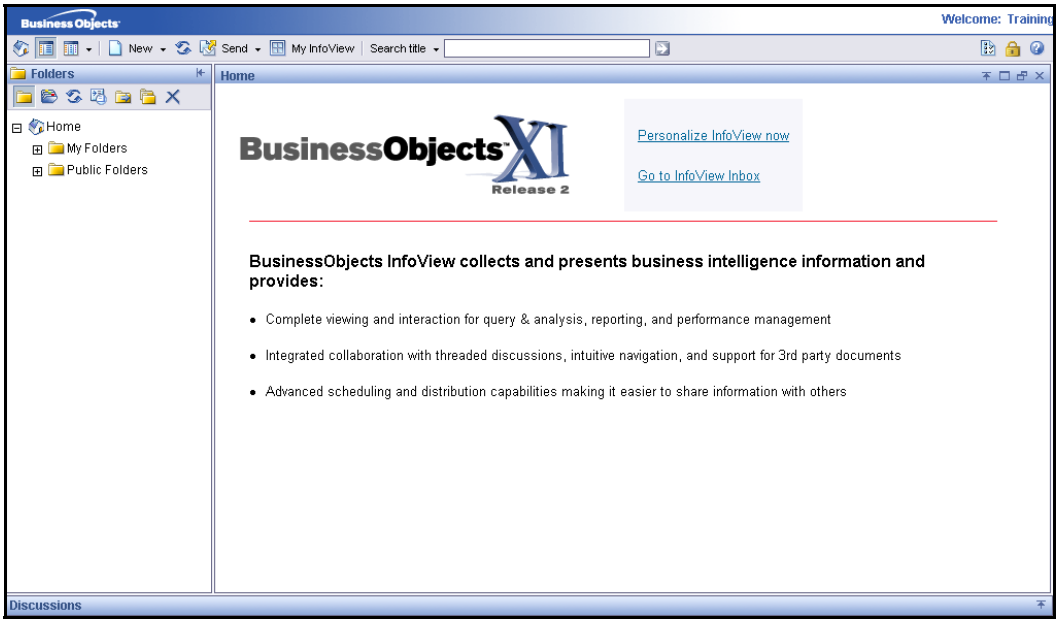


Figure 1: Business Objects XI Welcome screen

Step 2: Click the **New** drop-down arrow 

. Select the **Web Intelligence Document** command to create a new Web Intelligence document.

Step 3: The **New Web Intelligence Document** window displays a list of available universes. Select the **eFashion** universe from the list of available universes.

Step 4: The **Web Intelligence Java Report** panel displays all **Classes** and **Objects** provided by the eFashion universe.

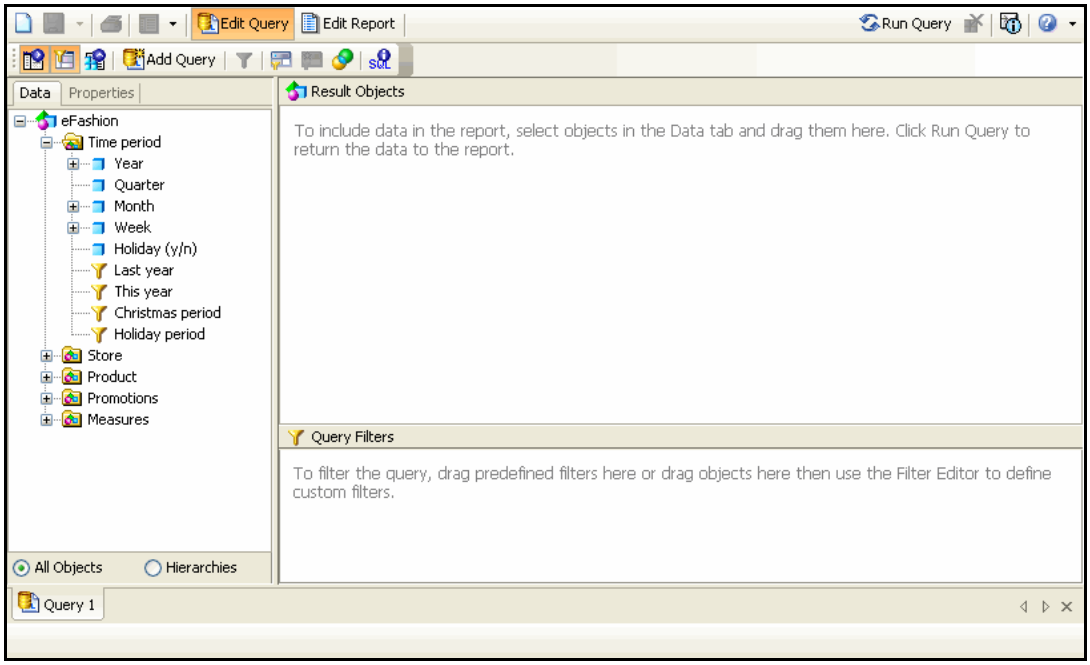


Figure 2: The Web Intelligence Java Report panel

Step 5: In the **Web Intelligence Java Report** panel, drag the objects from the **Classes and Objects** pane and drop them in the **Result** pane. The objects that have to be dragged are:

- Time period \ Year
- Products \ Lines
- Measures \ Sales revenue

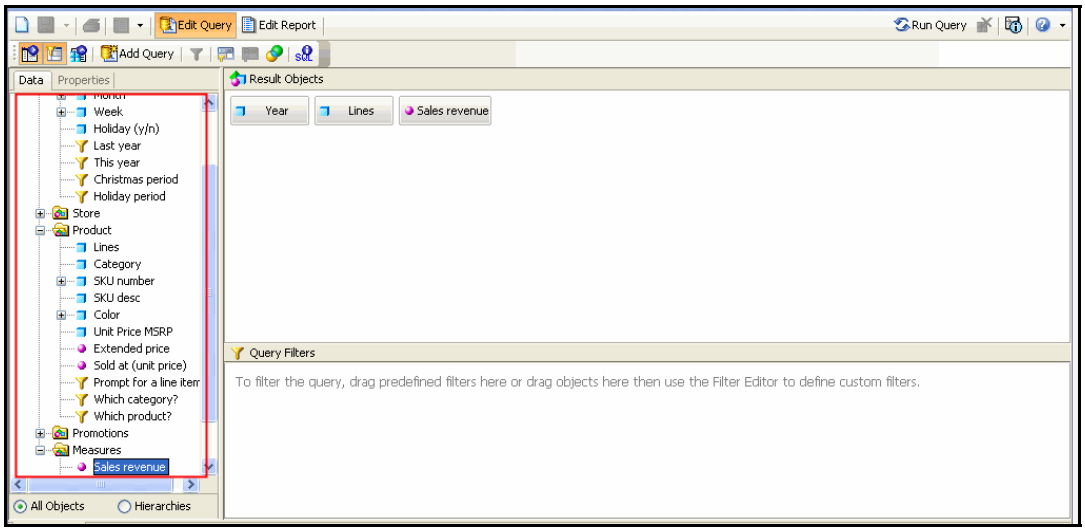


Figure 2: Web Intelligence Java Report panel

Step 6: Click **Run Query** to view the document.

Step 7: View the Report. Double-click the **Report Title** cell to add the title **Year Wise**, **Product Lines Sales revenue** as shown in the figure given below.

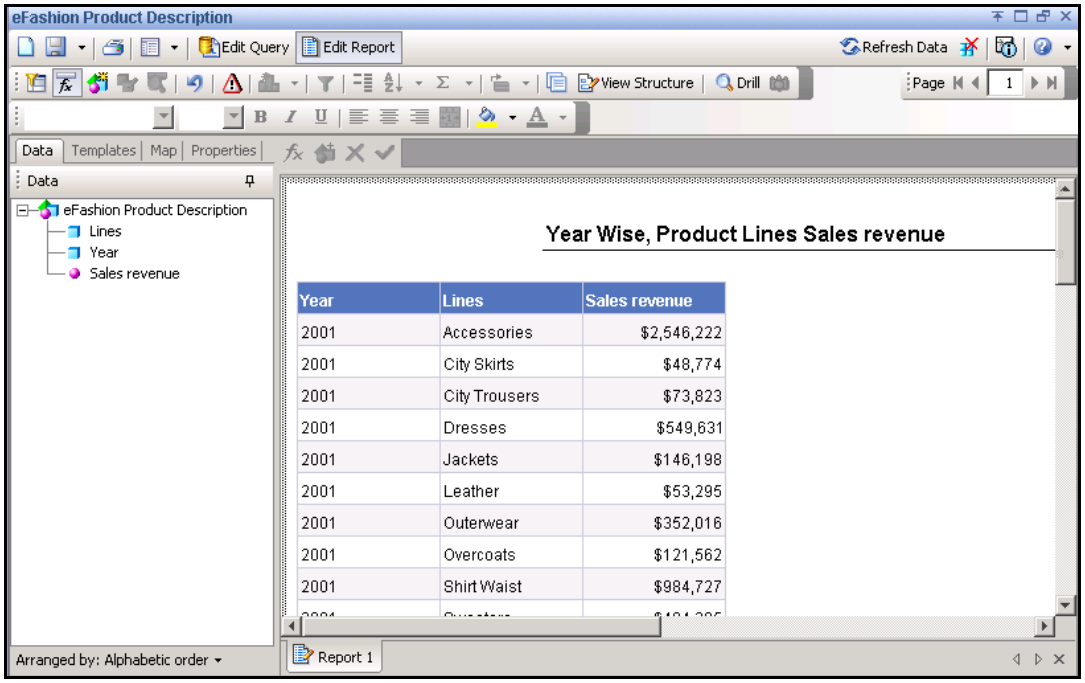


Figure 3: eFashion Product Description report

Step 8: Save the document in the **Public Folders\Batch Code\Emp code** location with the **name as "*Year Wise, Product Lines Sales revenue*"** and **Description** as ***"To show how a user can generate simple report by dragging and dropping objects"***.

Step 9: Log off by clicking the  icon available on the upper right portion of the document.

Lab 2. Creating Filters

Goals	• Use various types of Filters: o User-defined filter or Document Filter o Report filter o Multiple report filters • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

2.1: Create user defined filters

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Navigate to the **Public Folders\Batch Code\Emp code**. A **Workspace** pane will be displayed.

Step 3: The **Workspace** pane displays a list of existing documents.

Step 4: Select the document **Year Wise, Product Lines Sales revenue**, and open in **Modify** mode to view data.

Step 5: Click **Edit Query** 

on the toolbar.

Step 6: In **Class and Object** pane, go to the **Data** tab and select **Products \ Lines** and drag it to **Query Filters** pane as shown in the figure given below.

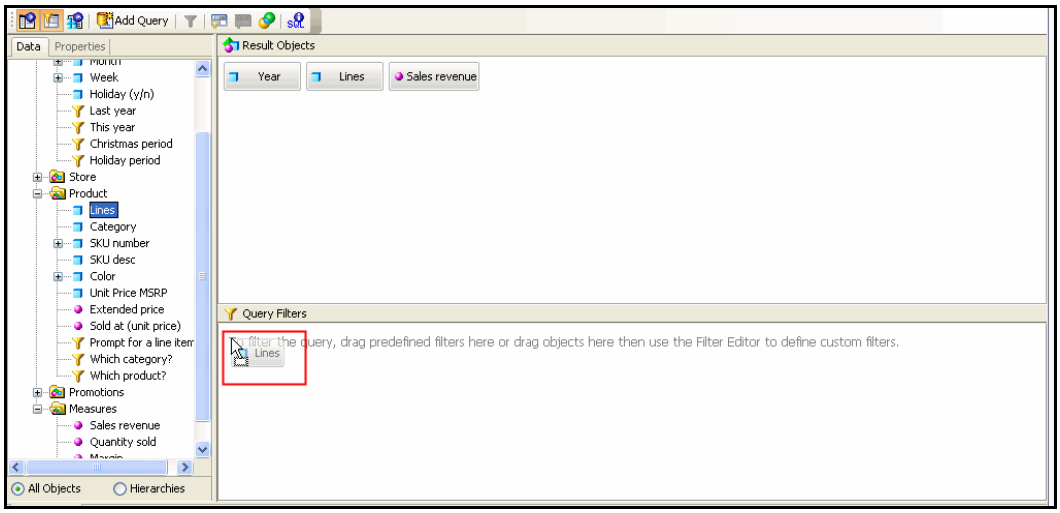


Figure 4: Query Filter

Step 7: In the **Query filter** pane, click a small icon  and select **Value(s) from list** for **Lines** as shown in the figure given below.

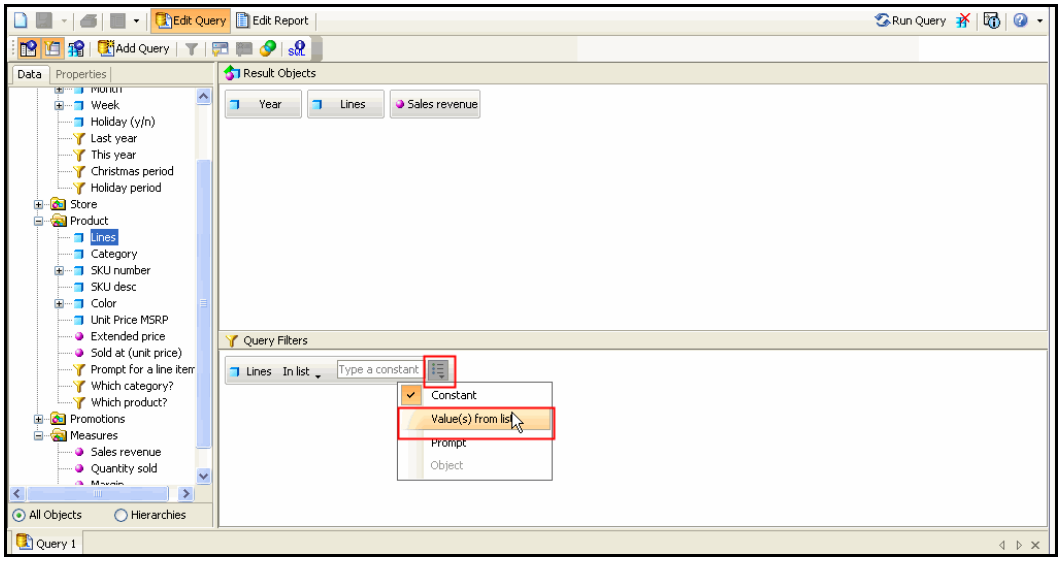


Figure 5: Query Filter

Step 8: It displays a **List of Values** Select the option **City Trousers** for **Lines**. Click **OK**.

Step 9: Click **Run Query**. It displays an output as shown in the figure given below.

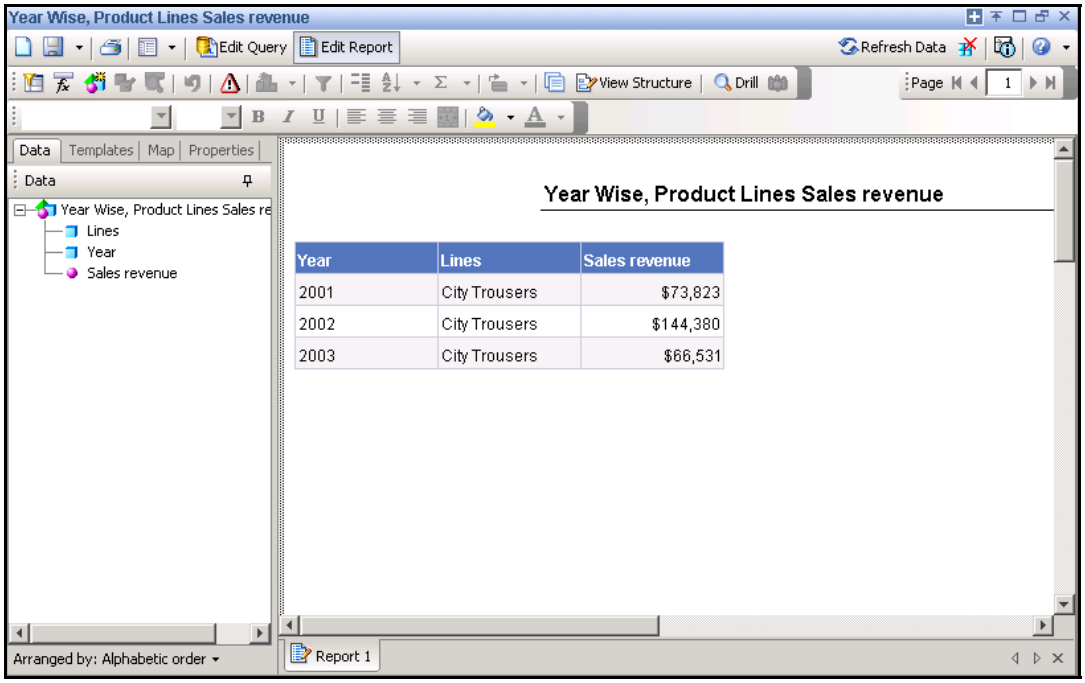


Figure 6: Year Wise, Product Lines Sales revenue

Step 10: Click the **Save** drop-down arrow  , select the **Save as** option to save the document.

Step 11: Save the document as "***Year Wise Sales revenue for City Trousers***" in **Public Folders\Batch Code\Emp code** folder.

2.2: Create report level filters.

Solution:

There are two methods for creating these filters.

Method 1: Use the Add Quick Filter icon on the toolbar.

Step 1: Click the **Year Wise, Product Lines Sales revenue** document in the **Modify** mode to view the data in **Workspace** pane. Select the **Lines** column, and click the **Add Quick Filter** icon on the toolbar as shown in the figure given below.

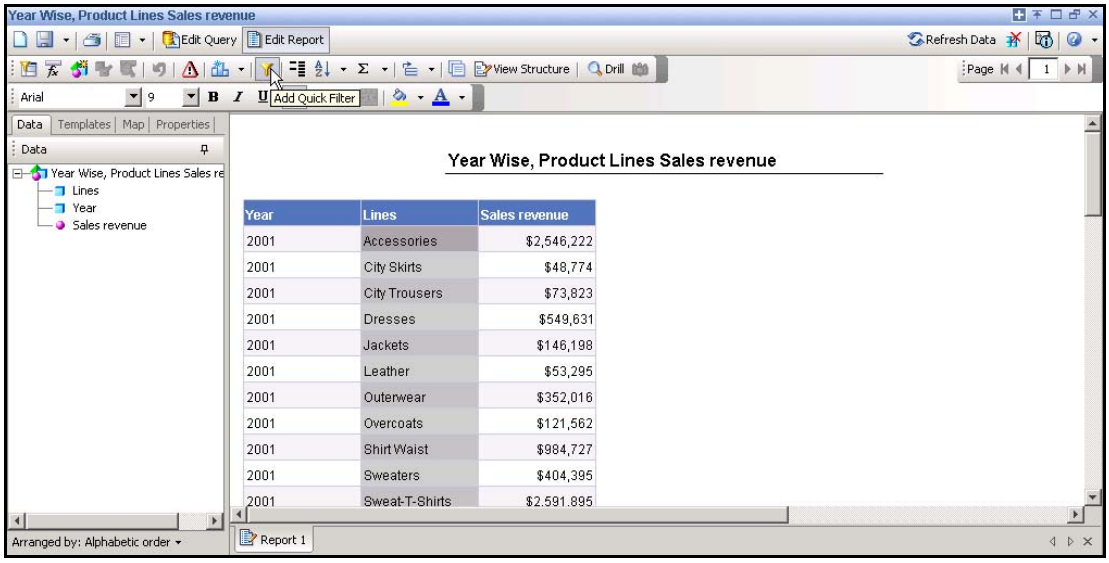


Figure 7: Year Wise, Product Lines Sales revenue report

Step 2: The **List of Values** dialog box is displayed. Select the value **City Trousers** and click the **OK** button.

Step 3: The document will be displayed as shown in the figure given below.

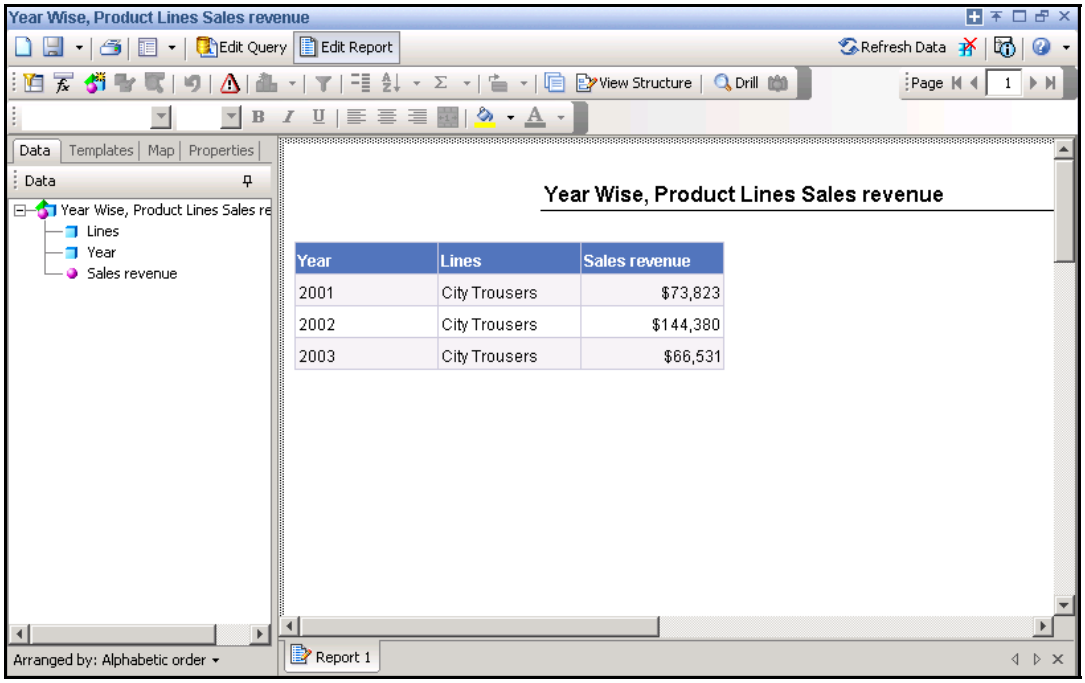


Figure 8: Year Wise, Product Lines Sales revenue report

Step 4: Click the **Save** drop-down arrow  , and select the **Save as** option to save the document

Step 5: Save the document as **Year Wise Sales revenue for City Trousers Report Level** in **Public Folders\Batch Code\Emp code** folder.

Method 2: **Use the Show/Hide Filter Pane**  **icon on the toolbar.**

Step 1: Open the **Year Wise, Product Lines Sales revenue** document in **Modify** mode to view the data. Click the **Show/Hide Filter Pane**  icon.

Figure 9: Year Wise, Product Lines Sales revenue report

Step 2: Drag the **Lines** object from the **Class and object** pane to the **Report Filters** pane.

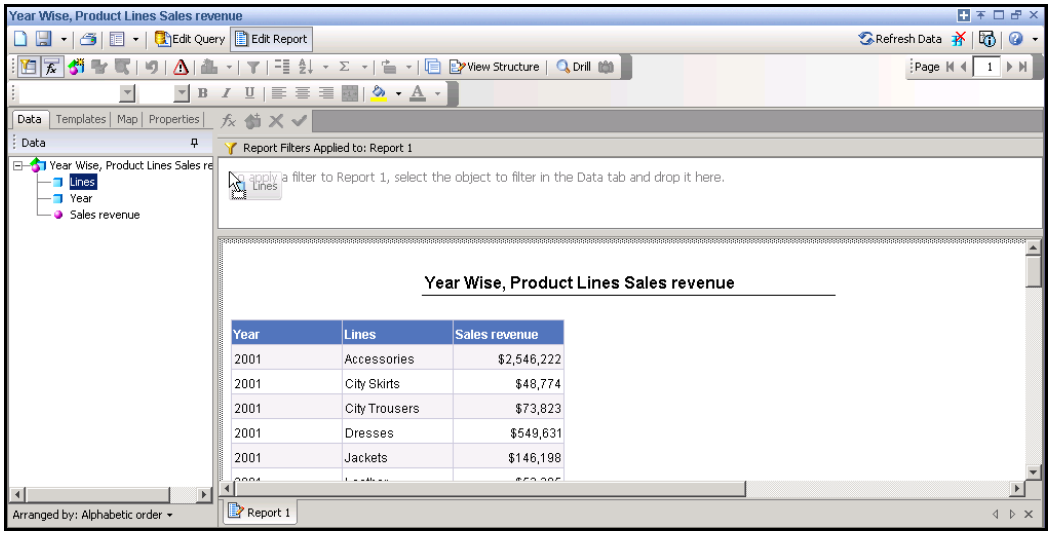


Figure 10: Year Wise, Product Lines Sales revenue report

Step 3: In the **Filter Editor** window,.select the **Operator** as "***Equal to***" and in the **Type a Value** text box key in the value as "***City Trousers***" as shown in the figure given below. Click **OK**.

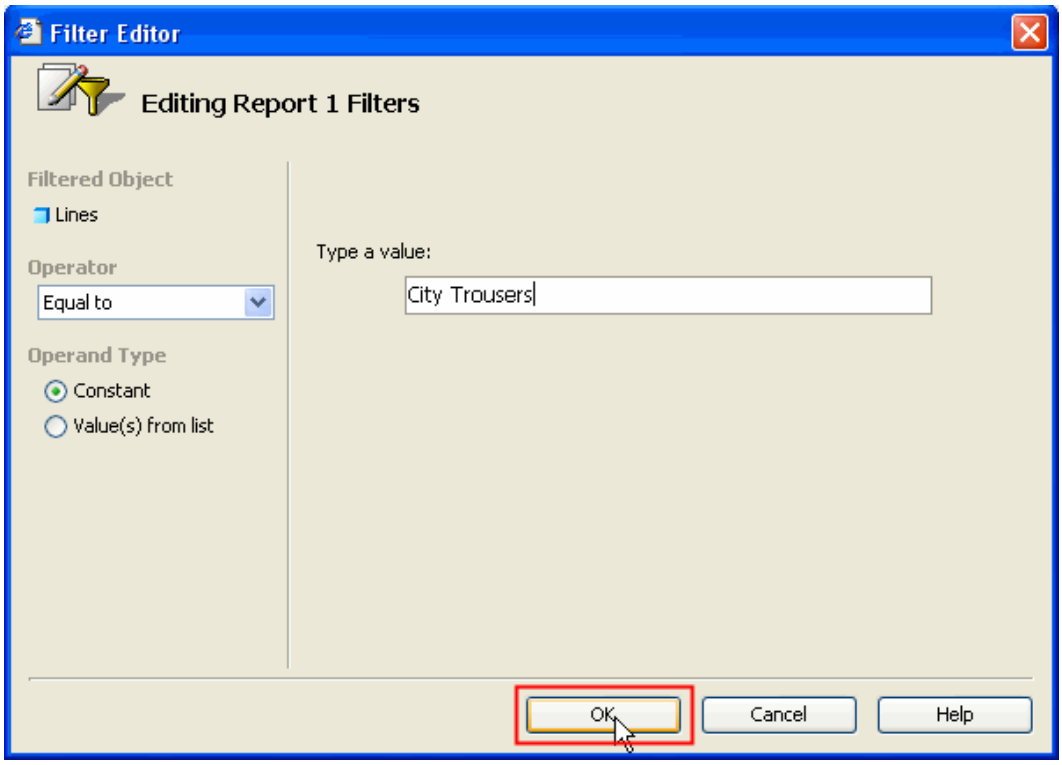


Figure 11: Filter Editor

The system will display an output as shown in the figure given below.

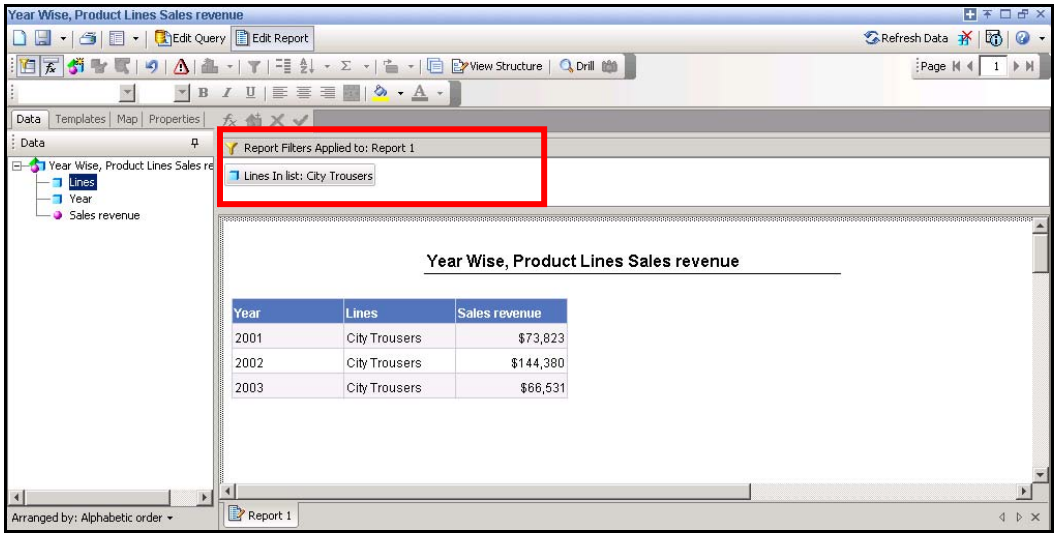


Figure 12: Output

Step 4: Save the document with the title **Year Wise Sales revenue for City Trousers Report Filter** in **Public Folders\Batch Code\Emp code** folder.

2.3: Apply multiple report filters.

Solution:

Step 1: Open the **Year Wise Sales revenue for City Trousers Report Filter** in **Modify** mode to view the data.

Step 2: To view the report filters applied to the document, click the table, and then click the **Show\Hide Filters** icon  . A list of report filters will be displayed in **Report Filters** pane.

Step 3: Drag **Year** to the **Report Filters** pane. Select the value as **2001** from the list of values.

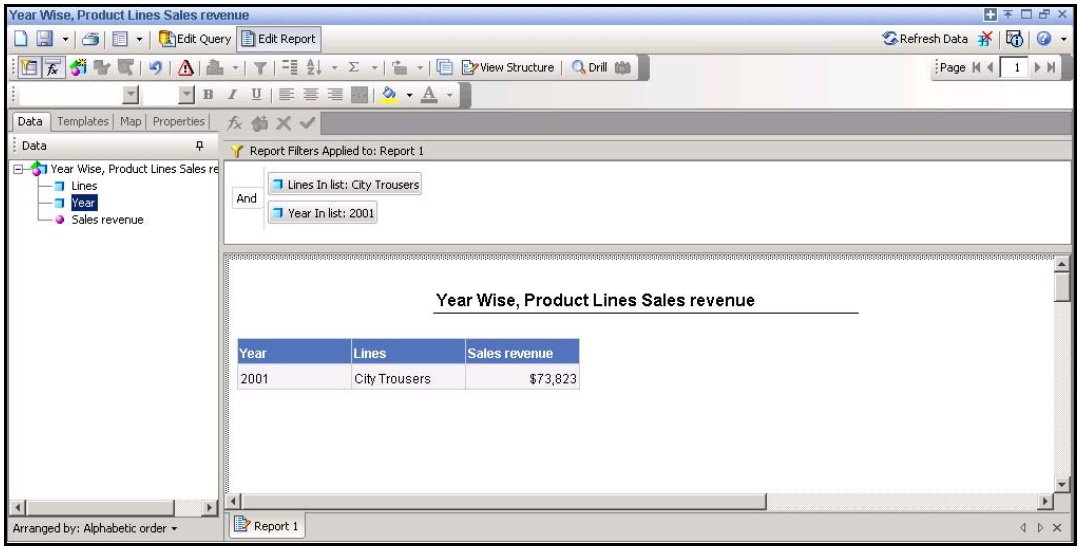


Figure 13: Year Wise, Product Lines Sales revenue report

Step 4: Save the document as **Year Wise Sales revenue With Multiple Filters**.

Step 5: Log off by clicking  icon on upper right portion of the document.

Lab 3. Using Prompts

Goals	• Use various types of Prompts o Predefined Prompts o User Defined Prompts • Apply Prompt Filters • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

3.1: Predefined prompts

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Navigate to in **Public Folders\Batch Code\Emp code**. A **Workspace** pane will be displayed.

Step 3: Open the **Year Wise, Product Lines Sales revenue** document in **Modify** mode.

Step 4: Click **Edit Query** 

on the toolbar.

Step 5: Drag the pre-defined Filter object **Christmas period** from **Time period** class to the **Query Filters** pane of the document.

Step 6: Drag the pre-defined prompt **Prompt for a Line Item?** from the **Product** class in **Query Filter** pane.

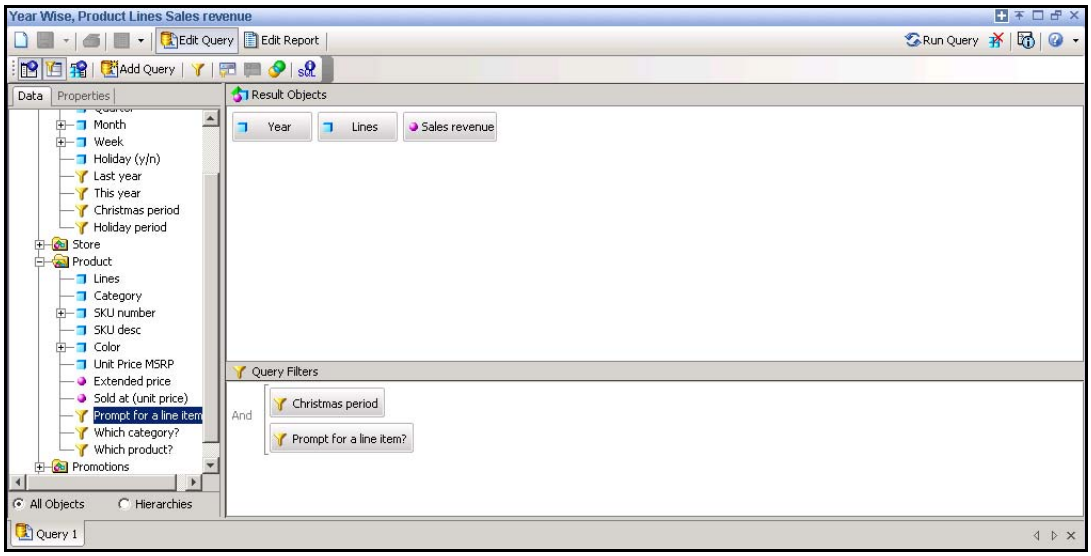


Figure 14: Year Wise, Product Lines Sales revenue report

Step 7: In the **Prompts** dialog box, select **City Trousers** for **Lines**. Click the **Run Query** button.

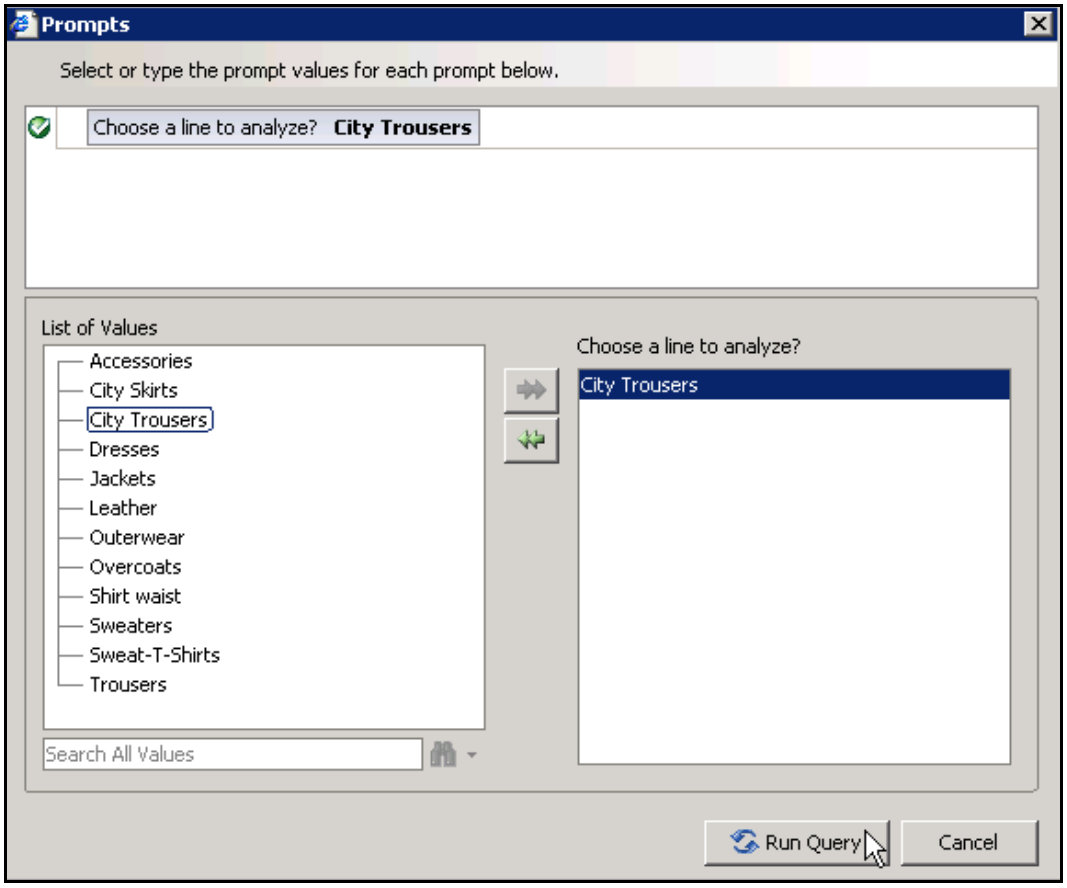


Figure 15: Prompts

The output will be displayed with the **Year Wise, Product Lines Sales revenue** for selected **Lines**.

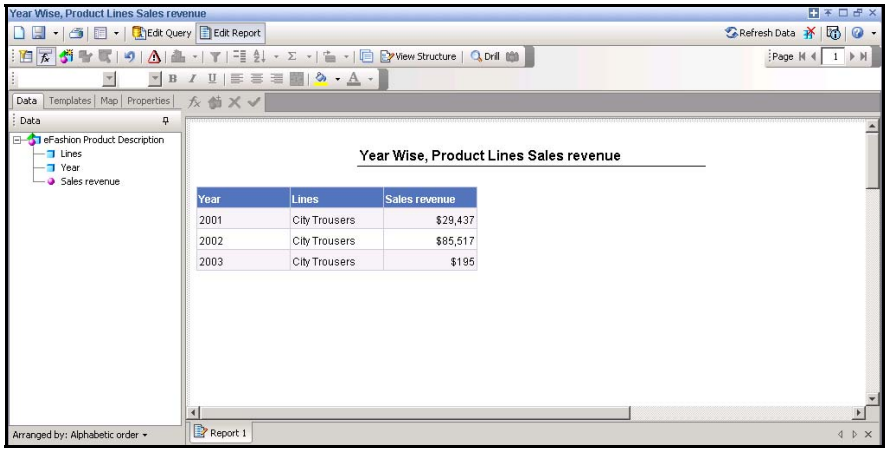


Figure 16: Year Wise, Product Lines Sales revenue report

Step 8: Save the document as **Year Wise Sales Revenue** for **Lines**.

3.2: User-defined prompts

Solution:

Step 1: Open the **Year Wise, Product Lines Sales revenue** document in **Modify** mode to view the data.

Step 2: Drag the pre-defined Filter object **Christmas period** from **Time period** class to the **Query Filters** pane of the document.

Step 3: Drag the **Lines** object to the **Query Filters** pane, click the small icon  and select "**Prompt"** and click **Run Query**.

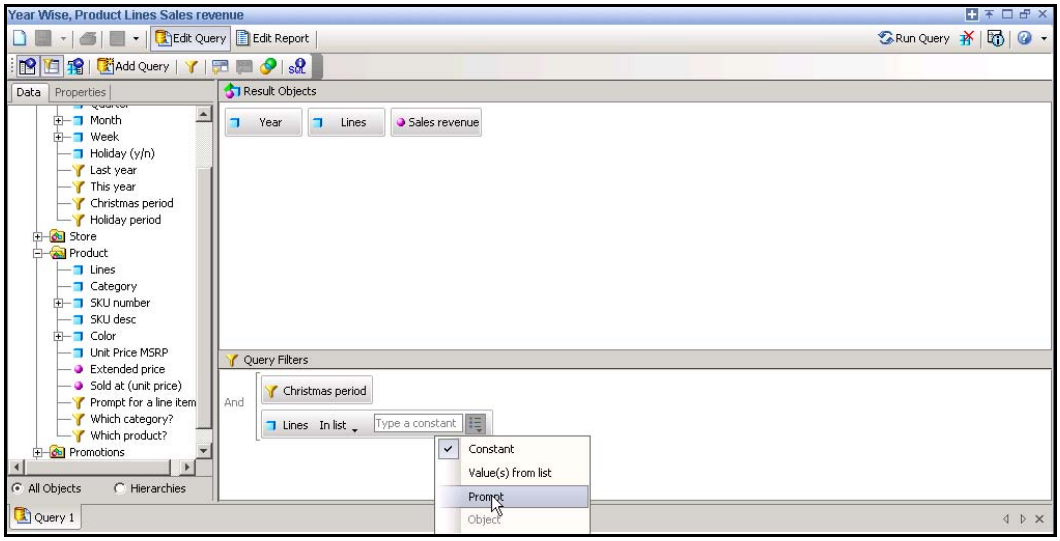


Figure 17: Year Wise, Product Lines Sales revenue

Step 4: In the **Prompts** window, select **Lines** as **Accessories** as shown in the figure given below.

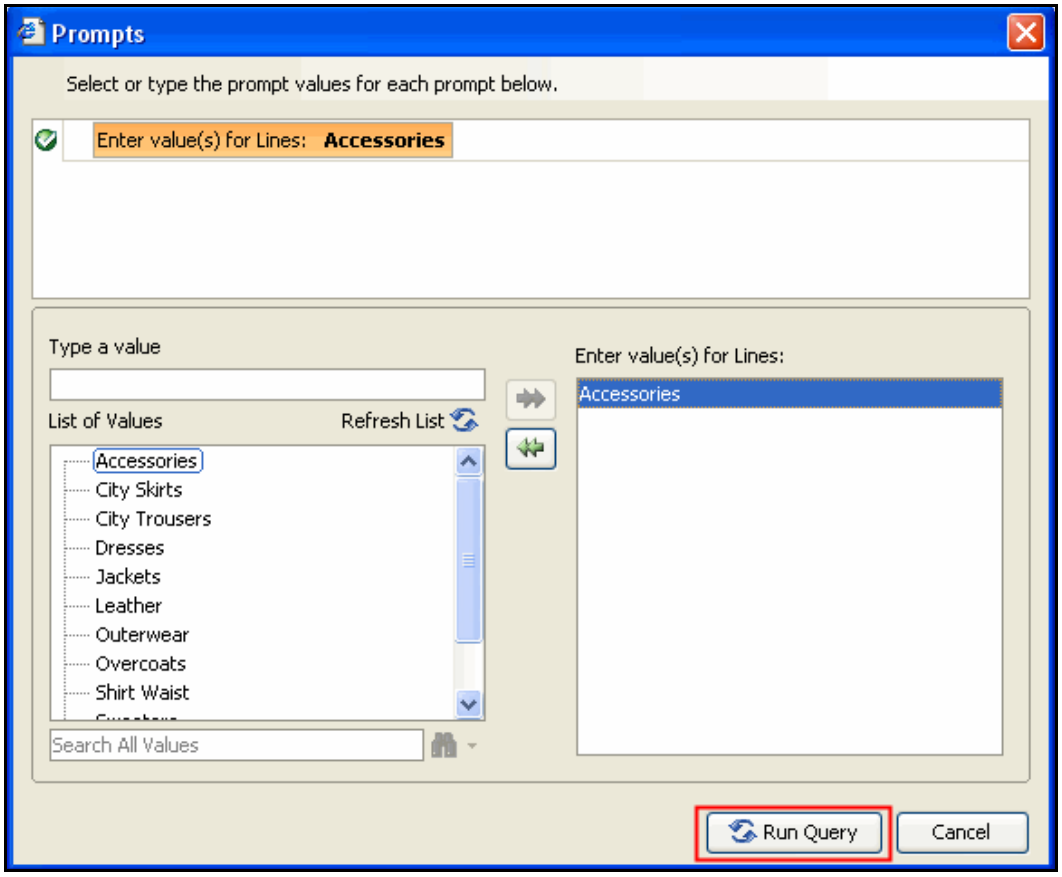


Figure 18: Prompts window

Step 5: To view the report, click the **Run Query** button. It displays the output as shown in the figure given below.

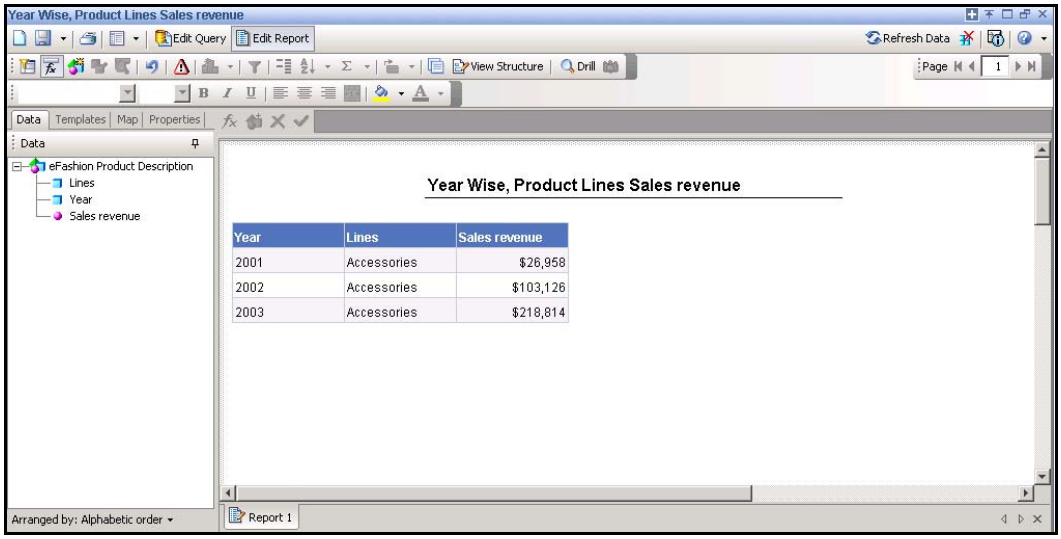


Figure 19: Year Wise, Product Lines Sales revenue report

Step 6: Save the document as **Year Wise, Product Lines Sales revenue on Selection** and log off by clicking icon.

Lab 4. Working with Tables

Goals	• Work with the various table templates: o Vertical Table o Horizontal Table o Forms • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

4.1: Table templates

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Time period \ Quarter

Measures \ Sales revenue

Step 5: Add the following filter in the **Filter** pane:

Time period \ Quarter

Step 6: Create a prompt based condition on **Quarter**, which will prompt the user to select a **Quarter**. Select **Equal To → Type a new prompt**. Key in the prompt as "**Enter Quarter"**.

Step 7: Click **Run Query**. Select **Q1** in the prompt as the selected values. View the document.

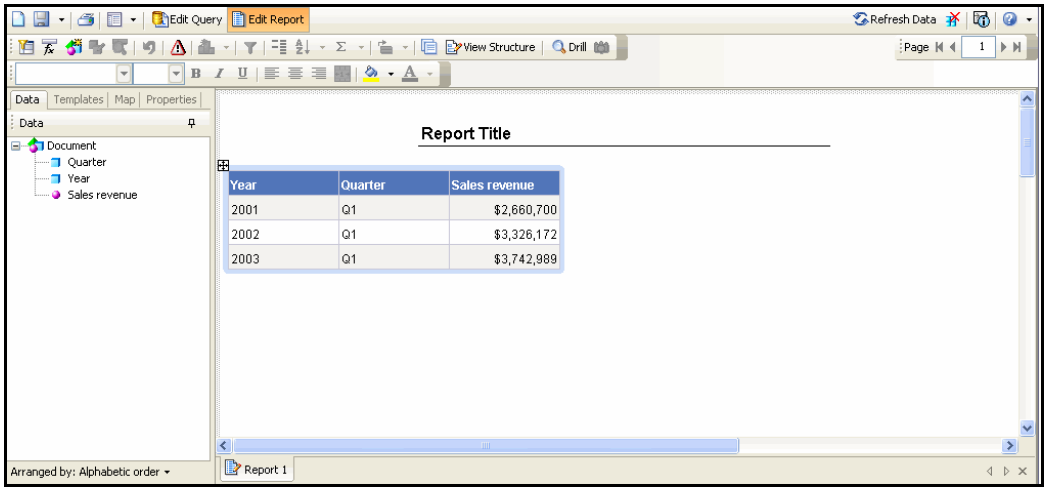


Figure 20: Year Wise, Product Lines Sales revenue report

Step 8: The default table template is a vertical table. Remove all the columns from the document, select the table border and drag it to the **Data** tab.

Step 9: The **Report** view should be as shown below:

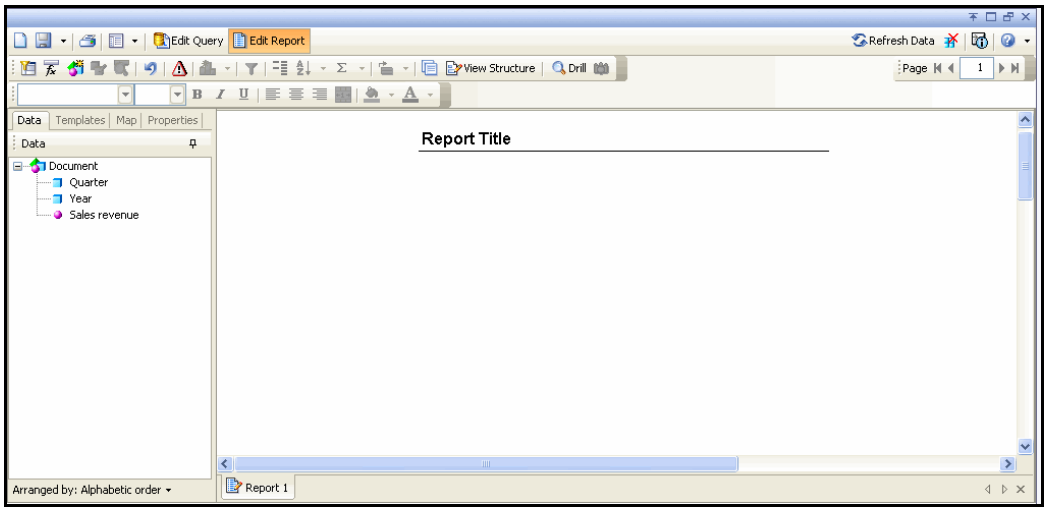
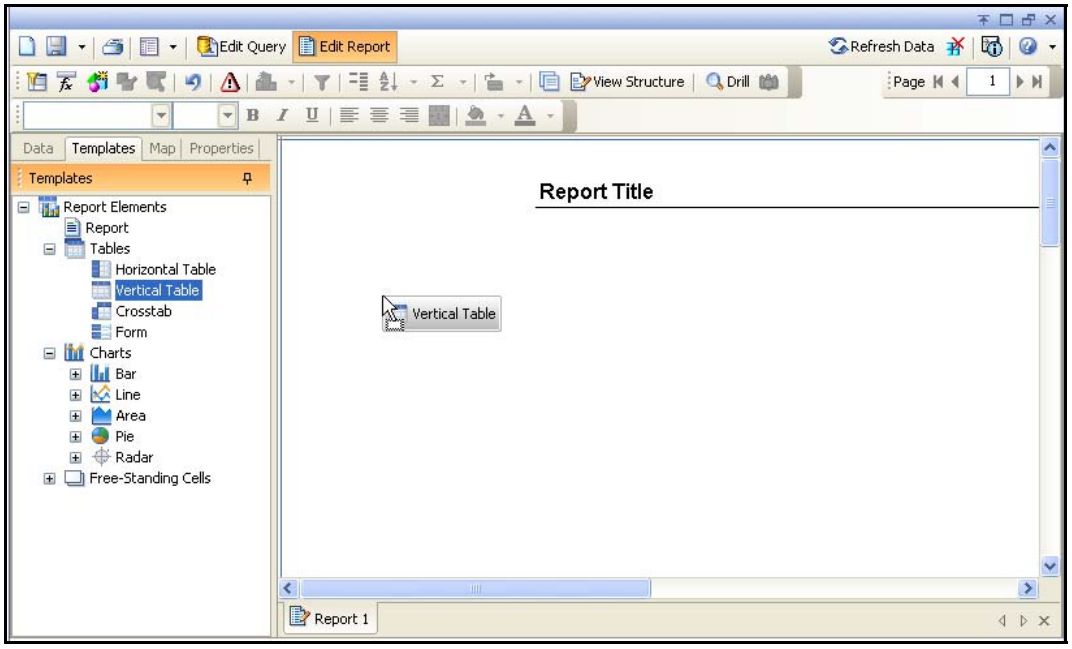


Figure 21: Report

Step 10: Select the **Templates** tab in the **Data Manager** pane and expand the **Tables**. Select **Vertical Table** and drag it to the **Workspace** pane.



Step 11: Click the **Data** tab and then drag the **Year** object into the **Vertical Table** template. Drop it to replace the cell.

Step 12: Similarly, drag the remaining objects from the **Data** tab and drop them when the "***Drop here to insert cell***" message is displayed.

Step 13: The document will be displayed as shown below:

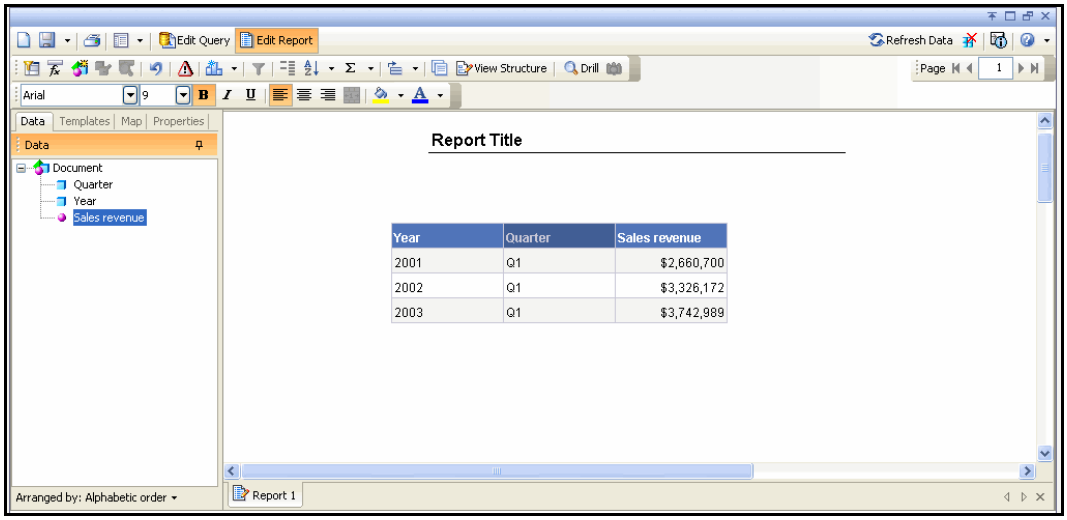


Figure 22: Output

Step 14: In a similar manner, change the table template to **Horizontal Table** and view the document.

Step 15: Change the table template to **Form** and view the document.

Step 16: Change the **Report Title** to **Different Types of Tables**.

Step 17: Save the document as **Different Types of Tables** and log off.

Lab 5. Formatting Reports

Goals	• Apply various report formats. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

5.1: Format reports

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Product \ Lines

Time Period \ Year

Measures \ Sales revenue

Step 4: Select the **Lines** column. On the **Properties** tab, select **Text Format**.

Step 5: Apply the style specified below to the **Lines** column.

Apply Style	Description
Font	Times New Roman
Font Size	12
Font Style	Italic
Text Color	Red
Vertical Text Alignment	Top
Horizontal Text Alignment	Left
Background Color	Light Yellow
Border Color	Blue
Border Style	Thin

Figure 23: Style specifications

Step 6: Add the Title.

Step 7: View the document. The partial output will be displayed as shown in the figure given below.

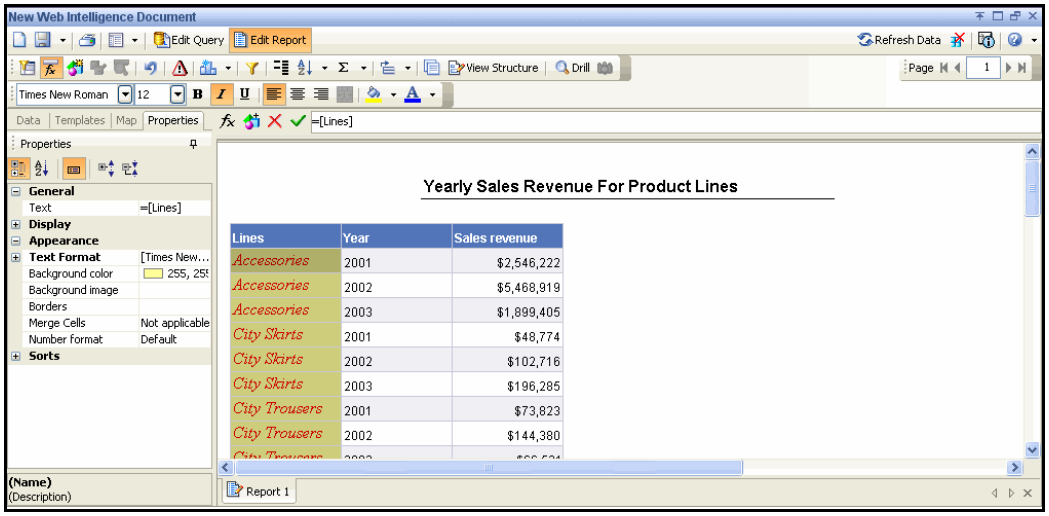


Figure 24: Partial Output

Step 8: Apply the same format to the remaining columns.

5.2: Format header/footer

Solution:

Step 1: Click the **View Page Layout** icon on the toolbar.

Step 2: Select the vertical table displayed in the **Workspace** pane, and click on the uppermost part. A black rectangular border is displayed. This is the **Header/Footer** area.

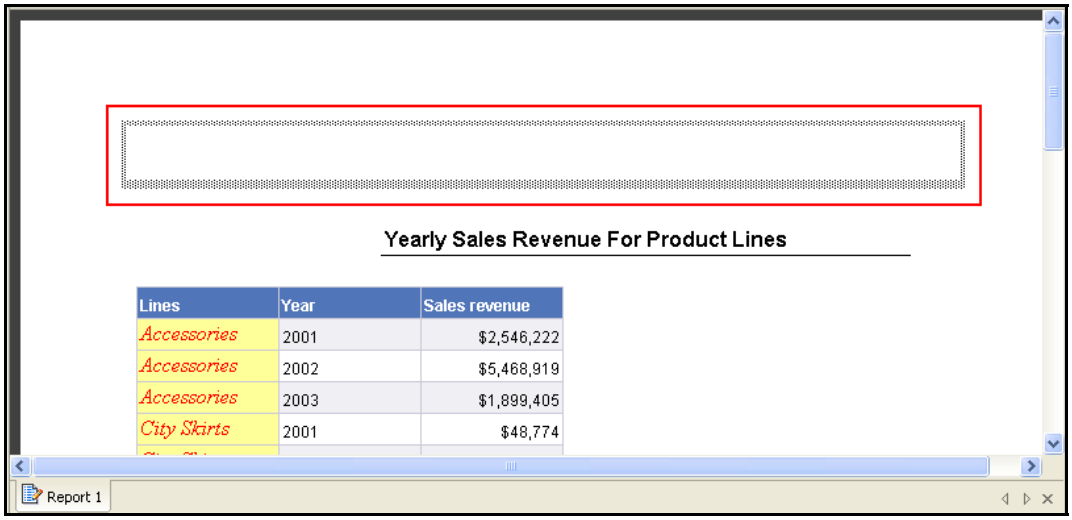


Figure 25: Header / Footer

Step 3: Choose the **Background Color** as *Grey* for this Header/Footer area.

Step 4: On the **Templates** tab, click and expands **Free Standing Cells**.

Step 5: Expand **Formula and Text Cells**. Click **Blank Cell** and drag it into the header section.

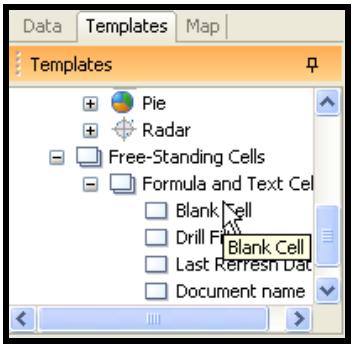


Figure 26: Templates tab

Step 6: Select **Blank Cell**, and then click the **Properties** tab. Key in the text **eFashion** in the text box.

Step 7: Save the document.

Step 8: The final output of the report will be displayed as shown below.

eFashion

Yearly Sales Revenue For Product Lines

Lines	Year	Sales revenue
Accessories	2001	$2,546,222
Accessories	2002	$5,468,919
Accessories	2003	$1,899,405
City Skirts	2001	$48,774
City Skirts	2002	$102,716
City Skirts	2003	$196,285
City Trousers	2001	$73,823
City Trousers	2002	$144,380
City Trousers	2003	$66,531
Dresses	2001	$549,631

Figure 27: Final Output

Step 9: Log off by clicking the  icon on upper right part of **InfoView** portal.

Lab 6. Master-Detail Report

Goals	• Create Master Detail report. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	60 minutes

6.1: Create Master Detail Report

Solution:

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document by using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Store \ State

Product \ Lines

Measures \ Quantity sold

Add the following filter in the **Filter** pane:

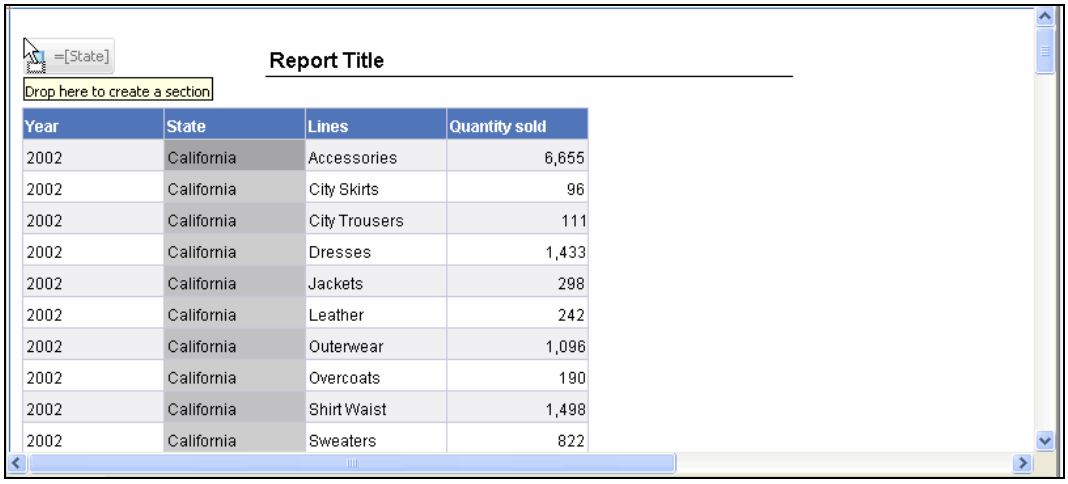
Time period \ Year

Step 4: Create a prompt condition on **Year**, which will prompt the user to select a **Year**. Select **Equal To → Type a new prompt**. Key in the prompt as "***Enter Year***".

Step 5: Click **Run Query** to view the report.

Step 6: Select **Year** as "***2002*****"** and click **Run Query**.

Step 7: Drag the **State** to the **Workspace** pane to add a column just above the report and create a section.

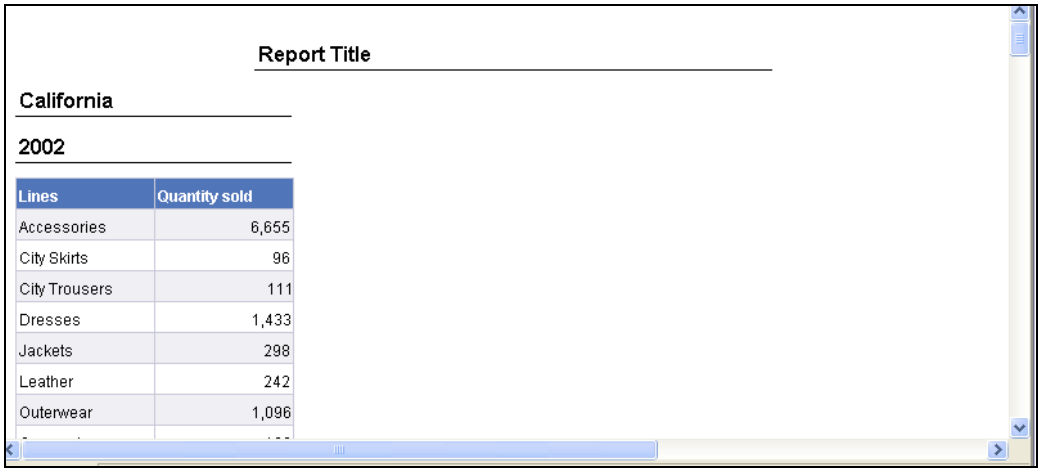


Year	State	Lines	Quantity sold
2002	California	Accessories	6,655
2002	California	City Skirts	96
2002	California	City Trousers	111
2002	California	Dresses	1,433
2002	California	Jackets	298
2002	California	Leather	242
2002	California	Outerwear	1,096
2002	California	Overcoats	190
2002	California	Shirt Waist	1,498
2002	California	Sweaters	822

Figure 28: Report

Step 8: To create a sub-section, select **Year** column. Display the shortcut menu and select the **Set as Section** option.

Step 9: The final output will be displayed as shown in the figure given below.



Lines	Quantity sold
Accessories	6,655
City Skirts	96
City Trousers	111
Dresses	1,433
Jackets	298
Leather	242
Outerwear	1,096

Figure 29: Final Output

Step 10: Add a title to the report, and save it as **Detailed Report for Lines for State**.

Step 11: Log off from **InfoView**.

Lab 7. Breaks

Goals	• Create breaks in a report. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

7.1: Create breaks in a report

Solution:

Step 1: Log in to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Product \ Lines

Product \ Category

Measures \ Sales revenue

Step 4: Create a **Prompt** condition by dragging and dropping **Lines**, which will prompt the user to select **Lines**. Select **In List → Type a new prompt**. Key in the prompt as "***Enter value(s) for Lines***".

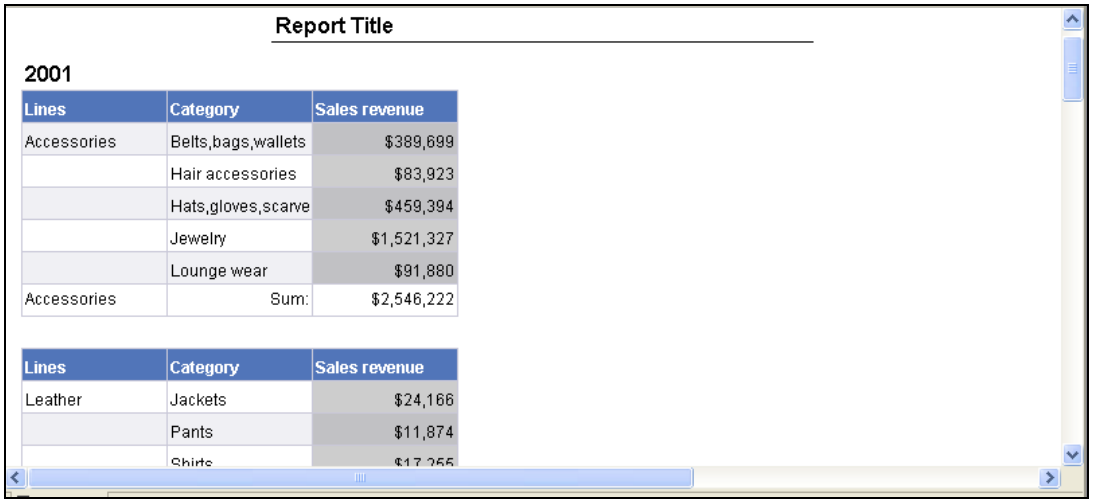
Step 5: Click **Run Query**. Select the **Lines** as ***Accessories***, ***Leather***, ***Trousers***.

Step 6: Select the **Year Column** and set it as a section.

Step 7: Select the **Lines** column. Click the **Breaks** icon on the toolbar.

Step 8: Select the **Result Value** column. Click the **sum** dropdown icon on the toolbar and select **Sum** to calculate the total Sales revenue per Product Line.

Step 9: The report output will be displayed as shown in the figure given below.



Report Title

2001

Lines	Category	Sales revenue
Accessories	Belts,bags,wallets	$389,699
	Hair accessories	$83,923
	Hats,gloves,scarve	$459,394
	Jewelry	$1,521,327
	Lounge wear	$91,880
Accessories	Sum:	$2,546,222

Lines	Category	Sales revenue
Leather	Jackets	$24,166
	Pants	$11,874
	Shirts	$17,266

Figure 30: Report output

Step 10: Save the document as "**Year Wise Lines Wise Sales Revenue with Break**" and then log off.

Lab 8. Alerters

Goals	• Use Alerters in a Report. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	30 minutes

8.1: Use Alerters in a Report.

Solution:

Step 1: Logon to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document by using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Store \ State

Product \ Lines

Measures \ Quantity sold

Add two filters in **Filter** pane. The filters are as follows:

Year – In list – Prompt

State – In list – Prompt

Step 4: Click the **Quantity sold** column. Click the **Alerter** Icon  on the toolbar. The **Alerters** window will be displayed.

Step 5: Click **New** button to add a new Alerter.

Step 6: In **Alerter Editor** window:

a. In **Alerter name** text box, type the name as **Check Alert**.

b. Select the **Operator** as **Greater than**.

c. In the **Operand**, type the value as 1000.

d. Click the **Format** button to change the text color to **Red**.

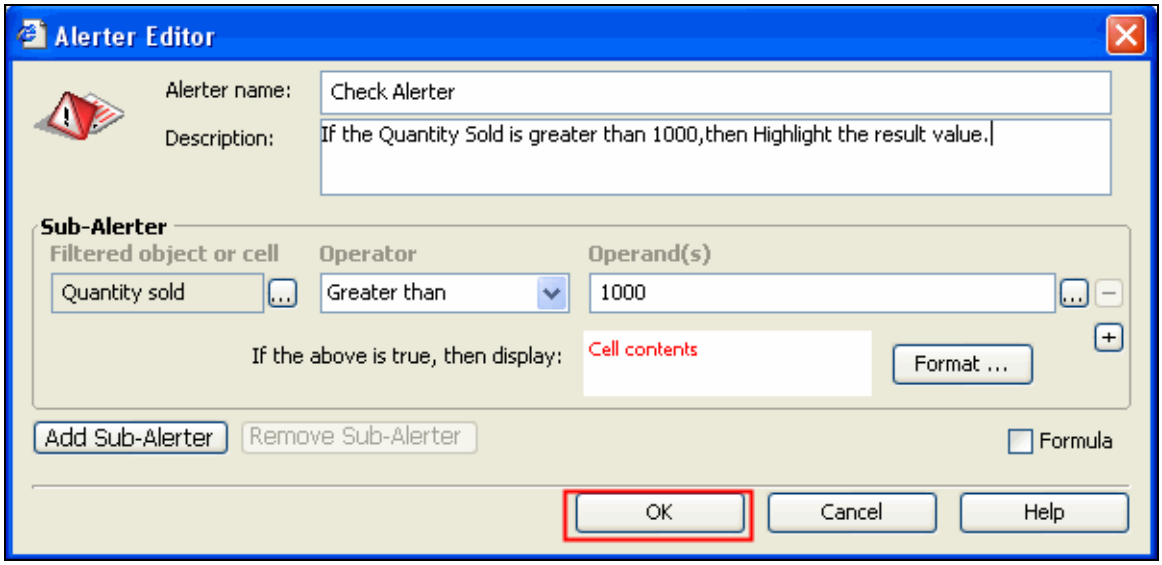
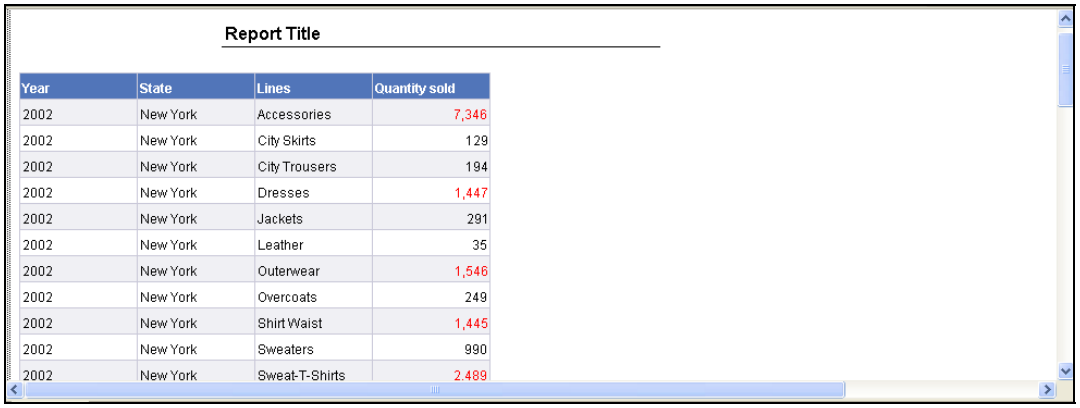


Figure 31: Alerter Editor

Step 7: Click the **OK** button.

Step 8: The output will be similar to the figure shown below.



Year	State	Lines	Quantity sold
2002	New York	Accessories	7,346
2002	New York	City Skirts	129
2002	New York	City Trousers	194
2002	New York	Dresses	1,447
2002	New York	Jackets	291
2002	New York	Leather	35
2002	New York	Outerwear	1,546
2002	New York	Overcoats	249
2002	New York	Shirt Waist	1,445
2002	New York	Sweaters	990
2002	New York	Sweat-T-Shirts	2,489

Figure 32: Output

Step 9: Save the document as **eFashion Alerter for Quantity Sold**.

Step 10: Log off from the **InfoView**.

Lab 9. Crosstab Reports

Goals	• Create Crosstab reports. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	30 minutes

Solution:

9.1: Create a crosstab report.

Step 1: Log on to **InfoView**. A **Welcome screen** will be displayed.

Step 2: Create a new Web Intelligence Document by using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Time period \ Quarter

Products \ Lines

Products \ Category

Measures \ Sales Revenue

Step 4: Click **Run Query** to view the report.

Step 5: The **Workspace** pane displays the output as shown in the figure given below. This is termed as the **Report View**.

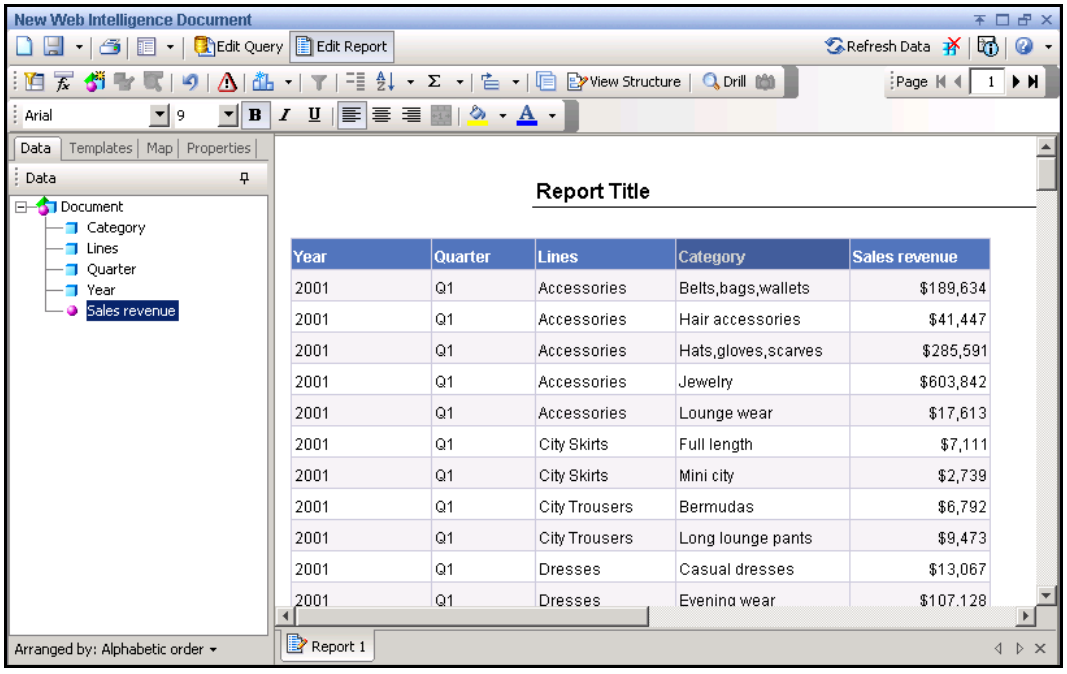


Figure 33: Report View

Step 6: The report will be displayed in a vertical tabular format. Click **Years** and drag it to the top edge of the table form a cross-tab. Drop the object on the report when a tool tip "***Drop here to create a Crosstab***" is displayed. The report will change to crosstab.

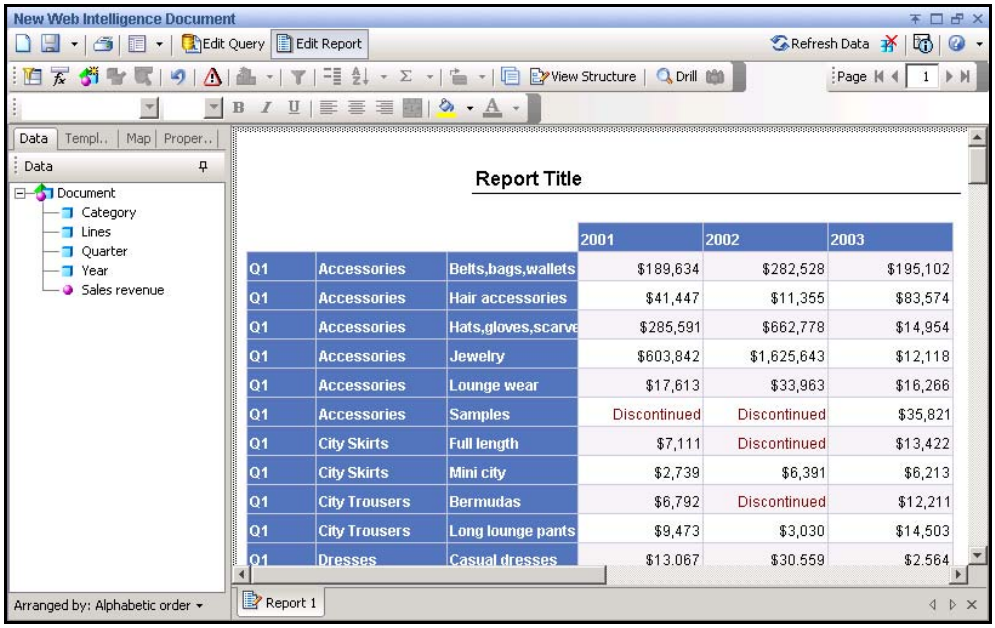


Figure 34: Crosstab

Step 7: Perform the necessary steps and apply appropriate formatting option to get the output as shown in the figure given below.

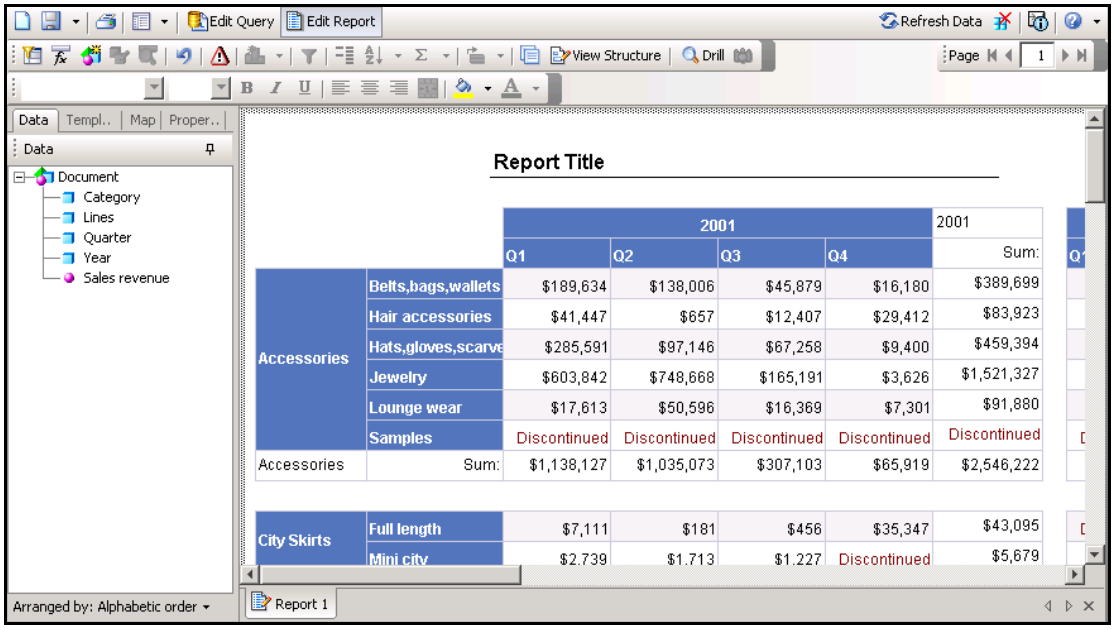


Figure 35: Report Output

Step 8: Click the **Save** drop-down list. Select the **Save as** option to save the document.

Step 9: In the **Title** text box, key in the **document name** as "***eFashion CrossTab Report*"** and **Description** as "***A typical crosstab report***".

Step 10: Log off from **InfoView**.

Lab 10. Charts

Goals	• Use charts in a report. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	45 minutes

10.1: Create a chart by clicking the chart template on the table.

Solution:

Step 1: Login to **InfoView**. A **Welcome Screen** will be displayed.

Step 2: Create a new Web Intelligence Document by using the **eFashion** universe from the list of universes

Step 3: Select the following objects from the universe:

Time period \ Year

Time period \ Quarter

Store \ State

Product \ Lines

Measures \ Sales revenue

Step 4: Create a condition, which will prompt the user to select a **Year** and **State**.

Step 5: Click **Run Query** icon on toolbar. Select the **Year** as "***2001"*** and **State** as "***California***".

Step 6: Select the **State** and set it as a section.

Step 7: Click the **Templates** tab in the Report Manager and expand the **Charts** option.

Step 8: Select the **Vertical Grouped** chart type and drag it on the report, which has to be converted to a Chart.

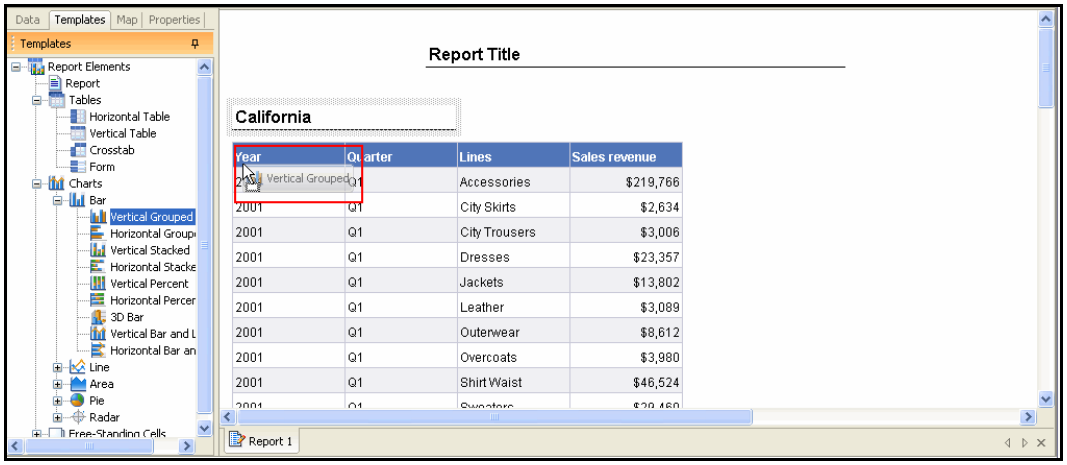


Figure 36: Report

The output should be displayed as shown in the figure given below.

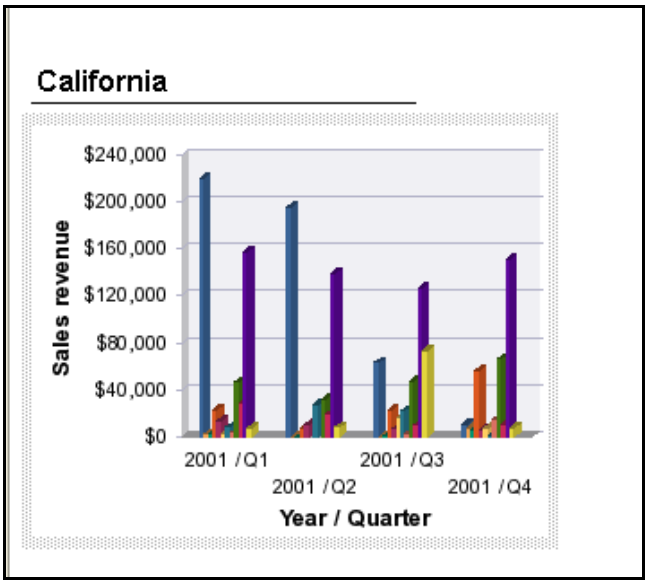


Figure 37: Output

Step 9: Set the chart title as **Graphical Report Chart**.

Step 10: Save the document as **Graphical Report Chart**.

10.2: Create a chart using the Turn To option.

Solution:

Step 1: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 2: Select the following objects from the universe:

Time period \ Year

Product \ Lines

Measures \ Sales revenue

Step 3: Select the **Year** column and set it as a section.

Step 4: Right-click the table. A list will be displayed. Click the **Turn To** option.

Step 5: Click the **Pie Chart** icon in the dialog box.

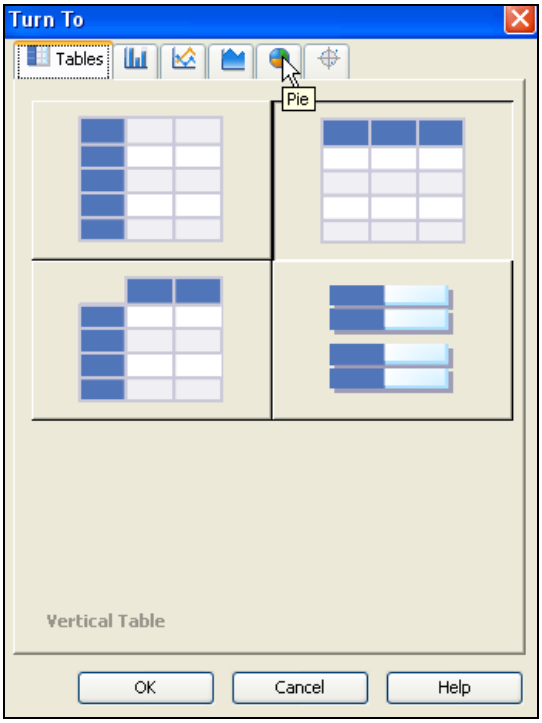


Figure 38: Turn to dialog

Step 6: Select **3D Pie** chart type from the available options. Click the **OK**.

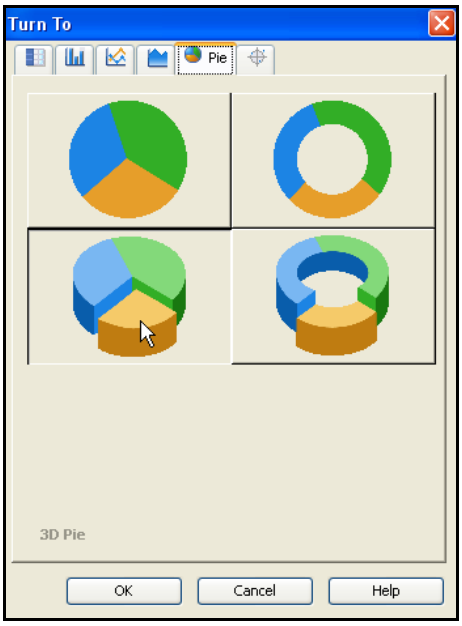


Figure 39: Turn to dialog

The output should be displayed as shown in the figure given below:

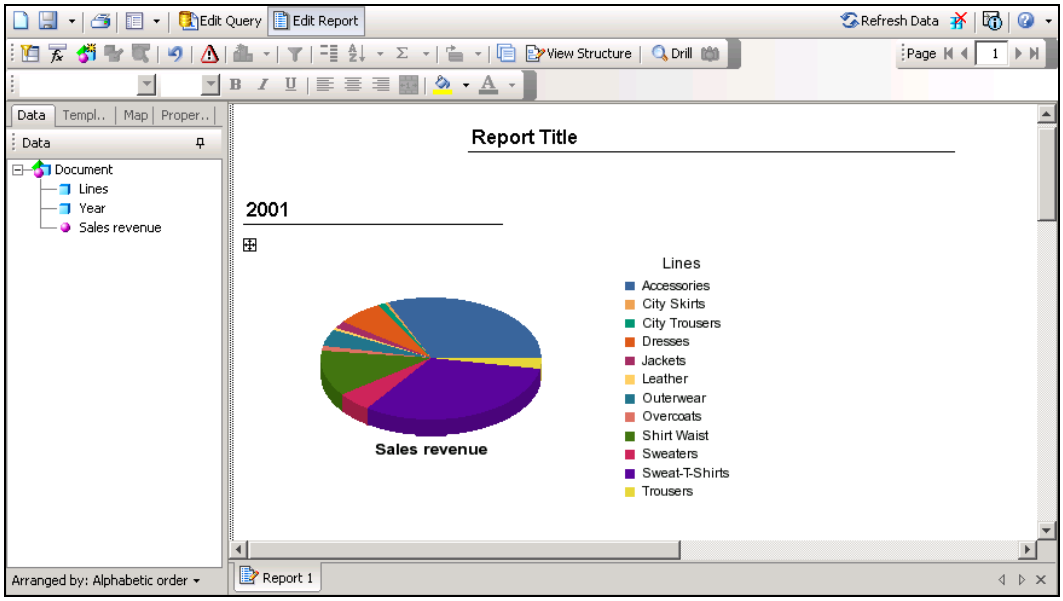


Figure 40: Output

Step 7: Save the document as **Graphical Pie Chart Report**.

10.3: Formatting Charts

Solution:

Step 1: Right-click the chart. A list will be displayed. From the list, click the **Edit Format** option.

Step 2: On **Properties** tab, click the **Chart Title**. Select **Text Format** from properties tab, and set the **Font Type** as ***Arial***, **Style** as ***Bold*** and **Size** as ***10***.

Step 3: Set the title text as "**Year Wise Product Sales Report**".

Step 4: On **Properties** tab, click **Y-Axis**, and then click **Text Format** to set the **Font Color** as ***Pink***.

Step 5: View the document. The document should be displayed as shown in below.

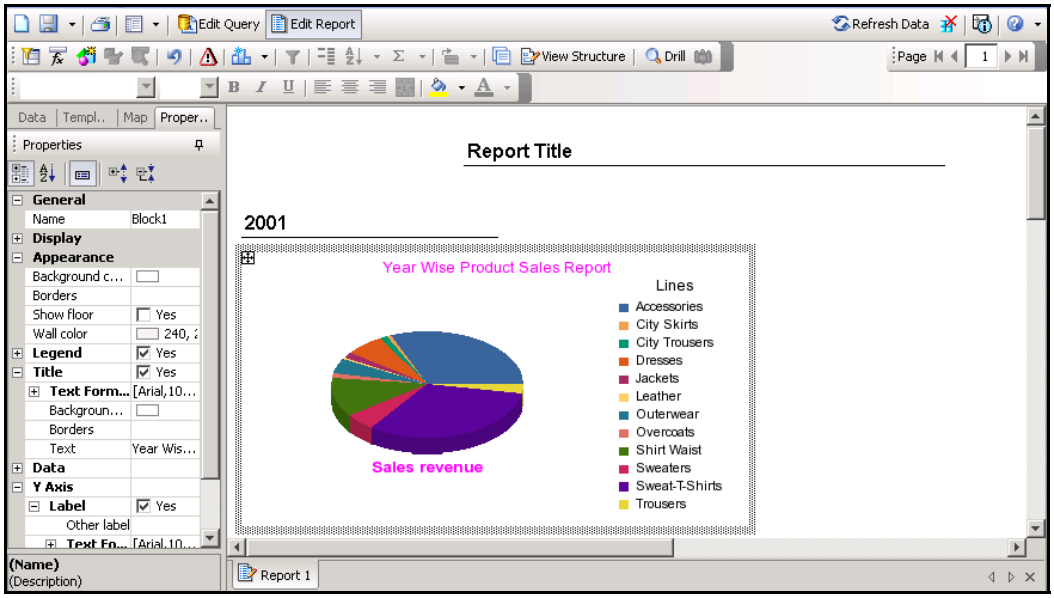


Figure 41: Graphical Pie Chart Report

Step 6: Save the document as **Graphical Pie Chart Report with Formatting**.

10.4: Converting an existing chart to Line Type.

Step 1: Convert the above created chart to Line type. The expected output will be as shown below.

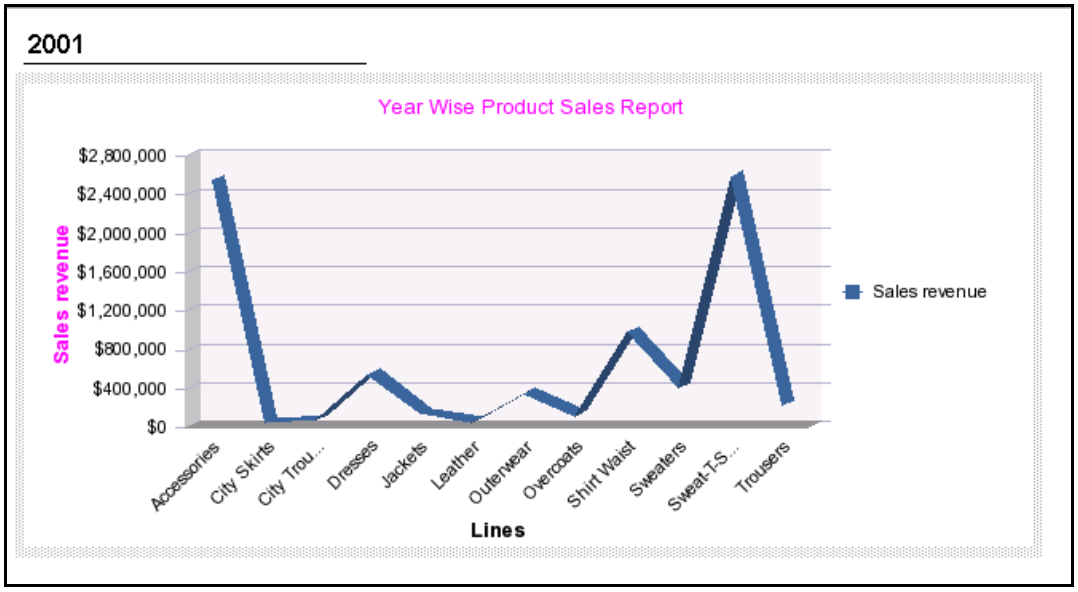


Figure 42: Graphical 3D Line Chart Report

Step 2: Save the document as **Graphical 3D Line Chart Report**.

Step 3: Log off from **InfoView**.

Lab 11. Functions and Formulas

Goals	• Use functions. • Create formulae. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	30 minutes

11.1: Create a Variable.

Solution:

Step 1: Login to **InfoView**. A **Welcome Screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Time period \ Quarter

Store \ State

Product \ Lines

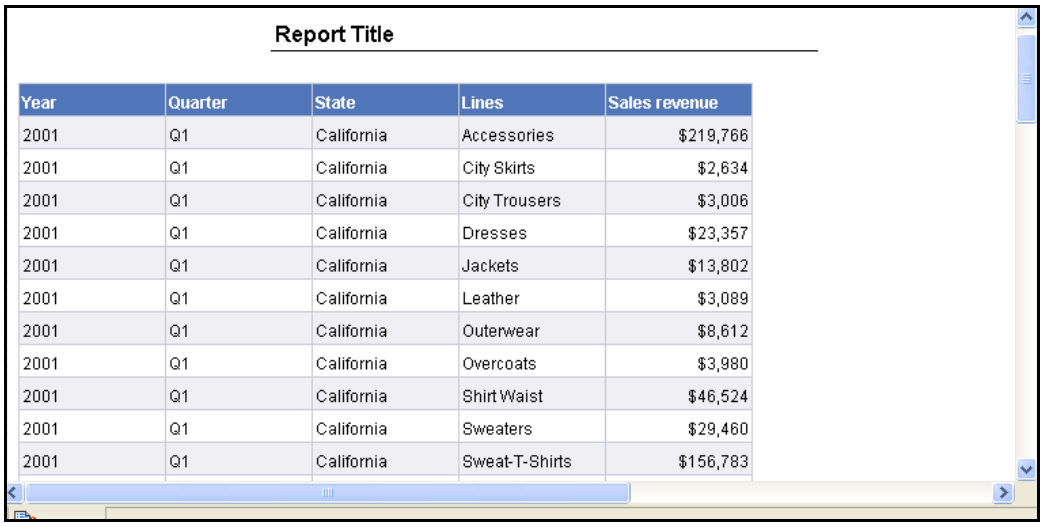
Measures \ Sales revenue

Step 4: Add two filters in **Filter** pane. The filters are:

Year – In list – Prompt and select value 2001

State – Equal to – Value from list and select value California

Step 5: Click **Run Query** to view the document.



Report Title

Year	Quarter	State	Lines	Sales revenue
2001	Q1	California	Accessories	$219,766
2001	Q1	California	City Skirts	$2,634
2001	Q1	California	City Trousers	$3,006
2001	Q1	California	Dresses	$23,357
2001	Q1	California	Jackets	$13,802
2001	Q1	California	Leather	$3,089
2001	Q1	California	Outerwear	$8,612
2001	Q1	California	Overcoats	$3,980
2001	Q1	California	Shirt Waist	$46,524
2001	Q1	California	Sweaters	$29,460
2001	Q1	California	Sweat-T-Shirts	$156,783

Figure 43: Report

Step 6: Click the **Variable Editor** icon. The **Variable** pane is displayed.

Step 7: In the **Variable** pane:

- Type **Variable Name** as ***Maximum Sales Revenue***
- Select **Qualification** as ***Measure***.
- Create the **Variable** by writing the following formula: = ***"Maximum Sales Revenue:"+Max([Sales revenue])***

Step 8: Click the **Validate** icon to validate the formula.

Step 9: Click **OK** to exit the **Variable Editor** window.

Step 10: Drag **Blank Cell** in the report below the report title.

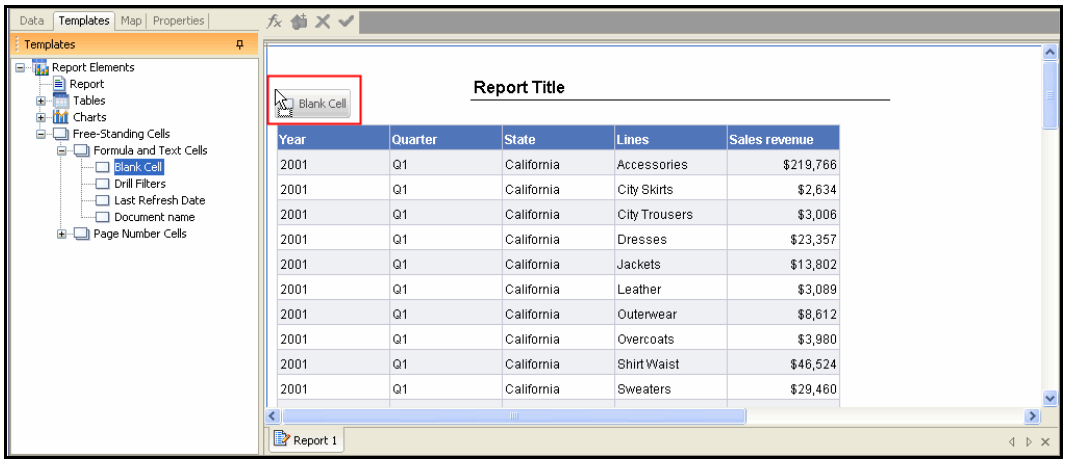


Figure 44: Templates tab

Step 11: Drag the variable "**Maximum Sales Revenue**" from the **Data** tab and drop it on the new blank cell in the report. Notice the **Maximum Sales** revenue amount.

Step 12: The output should be displayed as shown in the figure given below.

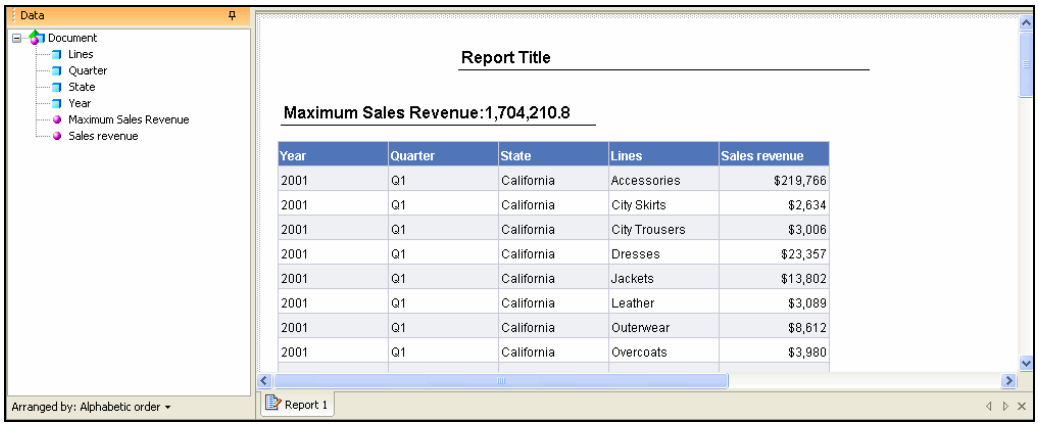


Figure 45: Output

Step 14: Save the document as **eFashion Maximum Sales Revenue**.

Step 15: Log off from **InfoView**.

11.2: Create a formula with function.

Solution:

Step 1: Login to **InfoView**. A **Welcome Screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Step 4: The new Web Intelligence document displays a list of available universes.

Time period \ Year

Time period \ Quarter

Store \ State

Product \ Lines

Measures \ Sales revenue

Step 5: Add two filters in **Filter** pane. The filters are:

Year – In list – Prompt and select value 2001

State – Equal to – Value from list and select value California

Step 6: Drag **Blank Cell** in the report below the report title.

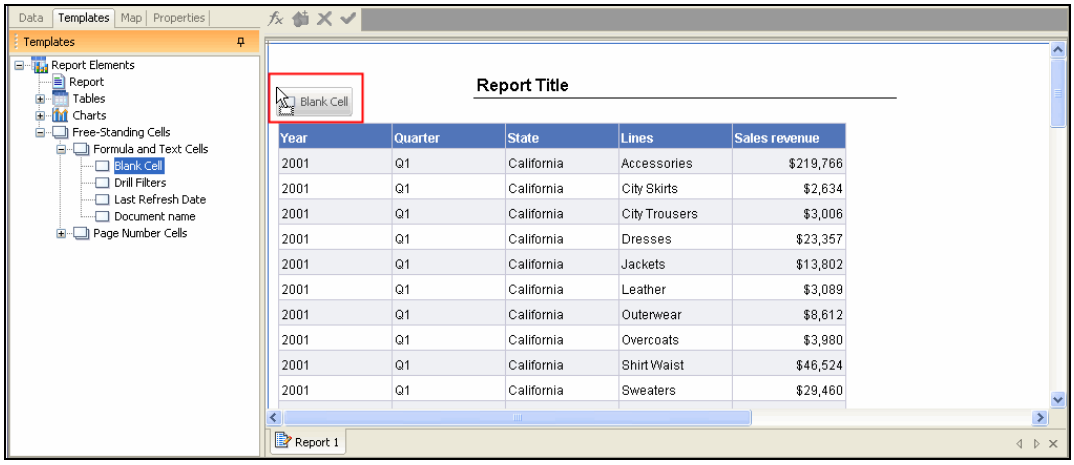


Figure 46: Templates tab

Step 8: Select the header of the blank cell, and then click the  button to show the **Formula Editor**.

Step 9: Type the Formula as **="Minimum Sales revenue : " +Min([Sales revenue])**. Validate it and click **OK**. Notice the **Manimum Sales** revenue amount.

The output should be displayed as shown in the figure given below.

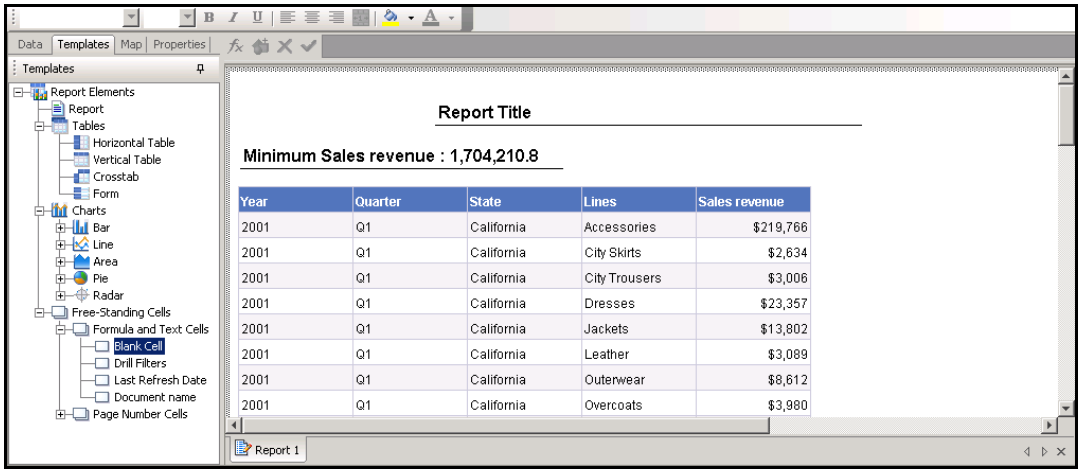


Figure 47: Output

Step 10: Save the document as **eFashion Minimum Sales Revenue Calculation**.

Step 11: Log off from **InfoView**.

Lab 12. Analyzing the Data using Drill Mode

Goals	• Use the Drill Mode in the report. • (Ensure that all previous lab assignments are complete before beginning the current lab)
Time	25 minutes

12.1: Use the Drill Mode in the report.

Solution:

Step 1: Login to **InfoView**. A **Welcome Screen** will be displayed.

Step 2: Create a new Web Intelligence Document using the **eFashion** universe from the list of universes.

Step 3: Select the following objects from the universe:

Time period \ Year

Measures \ Sales revenue

Step 5: Click **Run Query**. The output should be displayed as shown below:

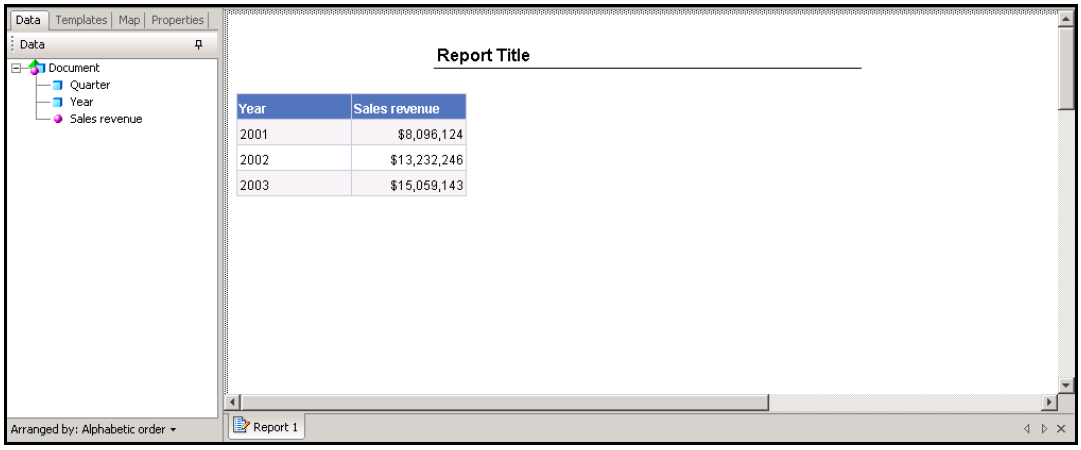


Figure 48: Output

Step 6: Click **Drill** icon that is available on the toolbar. The output should be displayed as shown below:

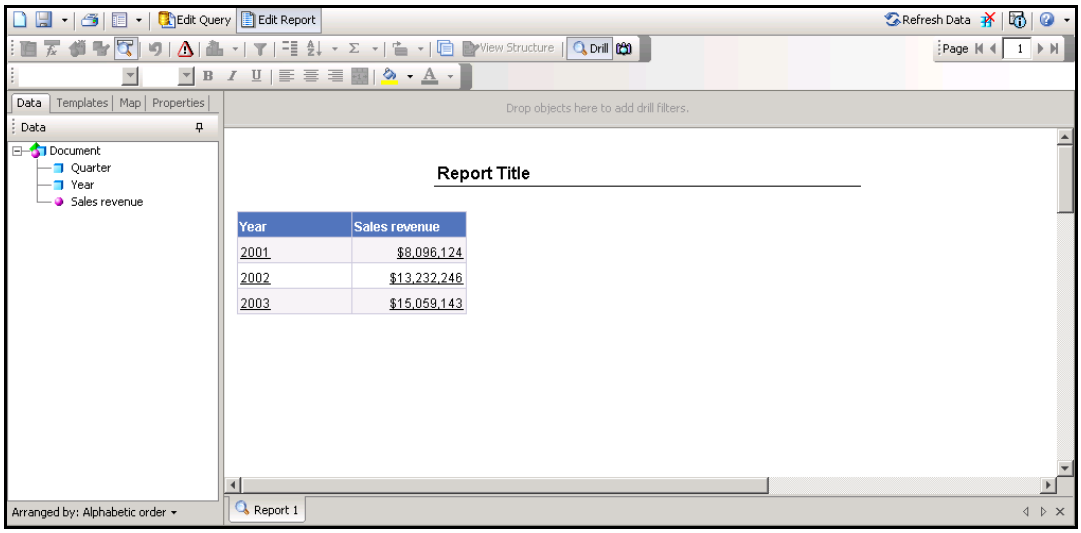


Figure 49: Output

Step 7: Click **2001**. Observe the change.

Step 8: Click **Q1** to drill down to **Months**. Observe the change.

Step 9: Click **Drill** icon again to disallow the drilling. Click **Edit Query**. In **Edit Query View**, click the **Scope of Analysis Pane** icon in the toolbar.

Figure 50: Scope of Analysis Pane icon

Step 10: Observe the **Scope of Analysis** pane.

Step 11: Remove the **Year** object and include **Lines** object. Click the list box in the **Scope of Analysis** pane. Set S**cope of Analysis** to ***Two levels*** (to drill two levels down).

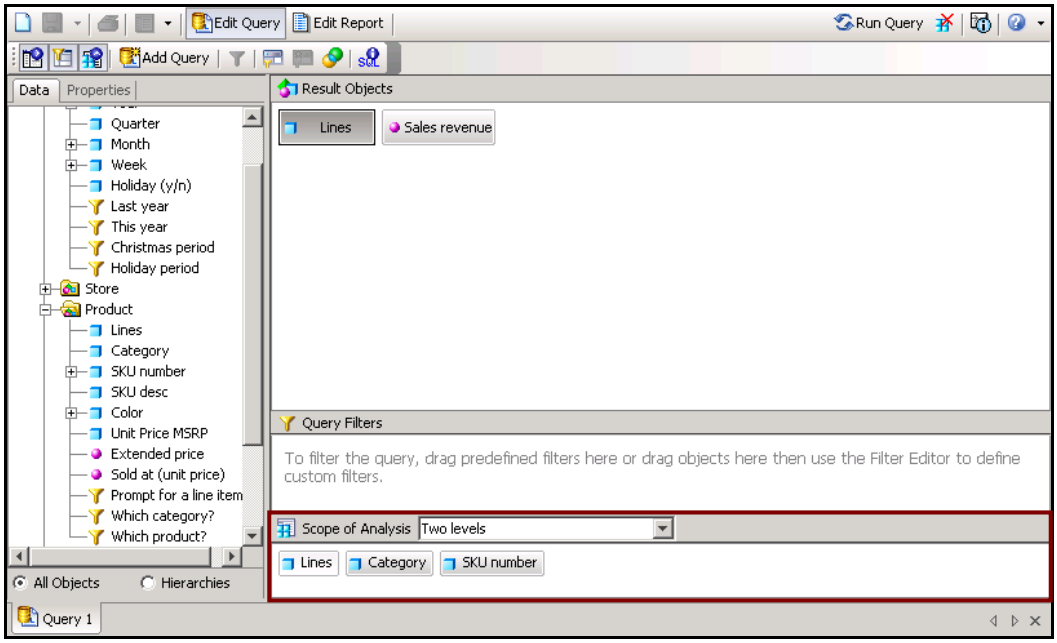


Figure 51: Scope of Analysis pane

Step 12: Click **Run Query**.

Step 13: Include the Lines in the Report.

Step 14: The report will be displayed as shown in the figure given below. In **Report View**, click the **Drill** icon on the toolbar.

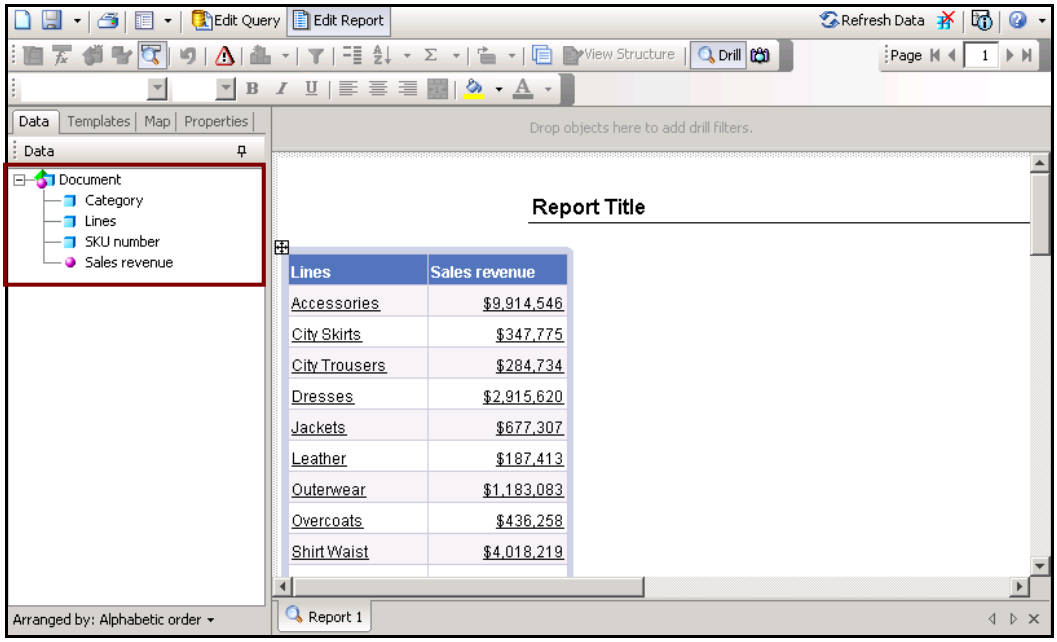


Figure 52: Report View

Step 15: Observe the number of Objects in **Data Manager** pane.

Step 16: Right click **Lines**, and select **Drill by** as shown in the figure given below.

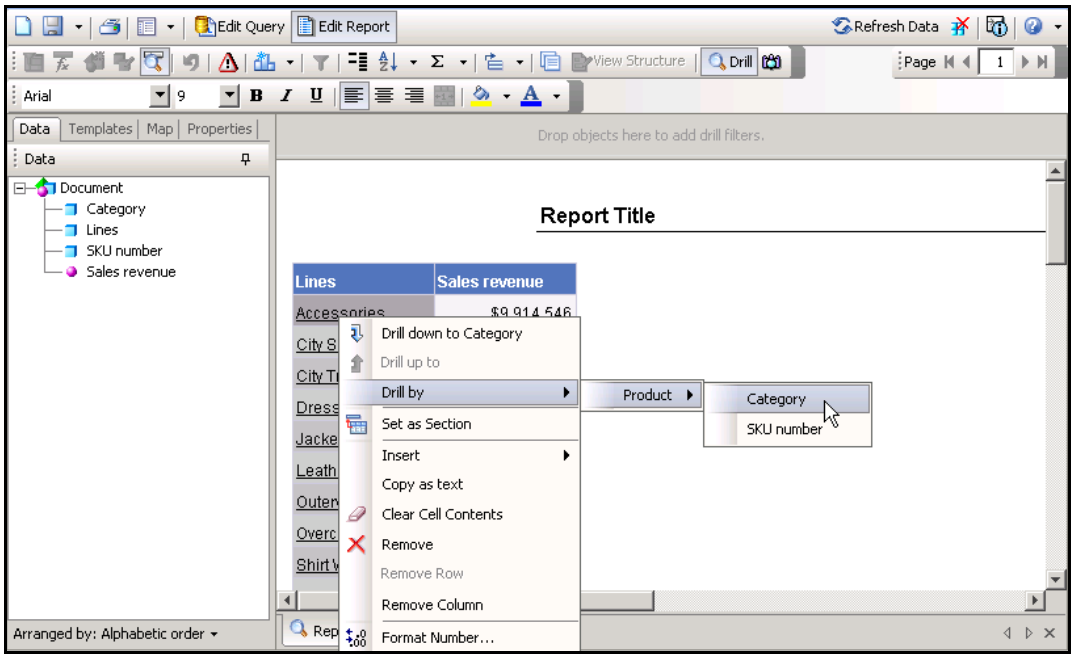


Figure 53: Report View

Step 17: Select **Drill by** → **Product-Category** to drill by Category.

Step 18: Drill up to Lines.

Step 19: Click the **Save** drop-down arrow  . Select the **Save as** option to save the document. A **Save document** dialog box will be displayed.

Step 20: In the **Title** textbox, type the document name as **Product Line Wise Drill**. Click **OK** to save the document to the **Favorites** location. Log off from the **InfoView**.

Appendices

Appendix A: Table of Figures

