



The slide features a header with the CPA Business Intelligence logo on the left and the Office of the Comptroller of Public Accounts, Texas logo on the right. The SAP BusinessObjects logo is centered at the top. Below the logo is a dark grey banner with the title "Web Intelligence – Working with Charts" in white. The main content area contains three paragraphs of text and a "View PDF Version" button. The background of the slide shows a stack of books and a pen on a desk.

CPA Business Intelligence

**OFFICE OF THE COMPTROLLER
TEXAS**

SAP BusinessObjects™

Web Intelligence – Working with Charts

The following lesson contains screenshots of the actual BusinessObjects 4.1 application, with text and narration explaining how to use BusinessObjects to perform certain functions.

Please ensure that you are currently sitting at a computer that has sound playing capabilities and that the speakers are turned up to an acceptable volume.

When the narration has finished on a page, please press the [spacebar] to continue. If you would like to review a page, press the [backspace] key.

Note: If you prefer a PDF version of this tutorial please follow the link below.

[View PDF Version](#)

Page 1 – Web Intelligence – Working with Charts

The following lesson contains screenshots of the actual BusinessObjects 4.1 application, with text and narration explaining how to use BusinessObjects to perform certain functions.

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Turn a Table into a Chart

Web Intelligence allows you to visualize the data in a table by converting the table into a chart.



CPA Business Intelligence

Page 2 – Turn a Table into a Chart

Web Intelligence allows you to visualize the data in a table by converting the table into a chart.

SAP Business Objects
Web Intelligence

Texas Comptroller of Public Accounts

3

Turn a Table into a Chart

Let's visualize the data in a table by converting the table into a chart.

Welcome: ABC3774 | Applications | Help menu | Log off

Elements | Formatting | Data Access | Analysis | Page Setup | Reading | Design

Cell | Section | Chart | Other | Tools | Position | Linking

Turn Into | Set as section

Available Objects

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
- Sales revenue
- Variables
- Sales Tax

Sales Report

California

Select the table.

State	Store name	Year	Quarter	Sales revenue
California	e-Fashion Los Angeles	2004	Q1	\$308,928
California	e-Fashion Los Angeles	2004	Q2	\$252,558
California	e-Fashion Los Angeles	2004	Q3	\$232,327
California	e-Fashion Los Angeles	2004	Q4	\$188,824
California	e-Fashion Los Angeles	2005	Q1	\$398,860
California	e-Fashion Los Angeles	2005	Q2	\$303,980
California	e-Fashion Los Angeles	2005	Q3	\$443,591
California	e-Fashion Los Angeles	2005	Q4	\$435,185
California	e-Fashion Los Angeles	2006	Q1	\$474,300

Page 3 – Convert a Table into a Chart

Let's visualize the data in a table by converting the table into a chart.

Select the table.

SAP Business Objects
Web Intelligence

Texas Comptroller of Public Accounts

4

Turn a Table into a Chart

CPA Business Intelligence Welcome: ABC3774 | Applications | Help menu | Log off

Home Documents Sales-By-Quarter

File Properties Report Elements Formatting Data Access Analysis Page Setup Reading Design

Tables Cell Section Chart Other Tools Position Linking

Turn Into Set as section

Available Objects

Type here to filter trees

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Sales Report

California

State	Store name	Year	Quarter	Sales revenue
California	e-Fashion Los Angeles	2004	Q1	\$308,928
California	e-Fashion Los Angeles	2004	Q2	\$252,558
California	e-Fashion Los Angeles	2004	Q3	\$232,327
California	e-Fashion Los Angeles	2004	Q4	\$188,824
California	e-Fashion Los Angeles	2005	Q1	\$398,860
California	e-Fashion Los Angeles	2005	Q2	\$303,980
California	e-Fashion Los Angeles	2005	Q3	\$443,591
California	e-Fashion Los Angeles	2005	Q4	\$435,185
California	e-Fashion Los Angeles	2006	Q1	\$421,390

Select the Turn Into list.

Page 4 – Convert a Table into a Chart (continued)

Select the **Turn Into** list.

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5

Turn a Table into a Chart

CPA Business Intelligence | Welcome: ABC3774 | Applications | Help menu | Log off

Home Documents Sales-By-Quarter

File Properties Report Elements Formatting Data Access Analysis Page Setup Reading

Tables Cell Section Chart Other Tools Position Linking Table Layout Behaviors

Available Objects

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Vertical Table

Horizontal Table

Cross Table

Column Chart

Line Chart

Pie Chart

More Transformations... Ctrl+Shift+T

Select Column Chart.

Sales Report

California

State	Store name	Year	Quarter	Sales revenue
California	e-Fashion Los Angeles	2004	Q1	\$308,928
California	e-Fashion Los Angeles	2004	Q2	\$252,558
California	e-Fashion Los Angeles	2004	Q3	\$232,327
California	e-Fashion Los Angeles	2004	Q4	\$188,824
California	e-Fashion Los Angeles	2005	Q1	\$398,860
California	e-Fashion Los Angeles	2005	Q2	\$303,980
California	e-Fashion Los Angeles	2005	Q3	\$443,591
California	e-Fashion Los Angeles	2005	Q4	\$435,185
California	e-Fashion Los Angeles	2006	Q1	\$474,300

Page 5 – Convert a Table into a Chart (continued)

Select **Column Chart**.

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6

Turn a Table into a Chart

The table has now been turned into a column chart.

Notice the chart is difficult to read because there are so many columns. The **Turn To** function includes all the data from the table in the chart, which is not always the most effective choice.

Let's restore the original table and try again using the **More Transformations** option, which allows us to specify the data we want to include in the chart.

CPA Business Intelligence

Home Documents Sales-By-Quarter

File Properties Report Elements Format

Tables Cell Section

Available Objects

Select Undo.

State
Store name
Year
Sales revenue
Variables
Sales Tax

Sales Report

California

Sales revenue

\$500,000
\$400,000
\$300,000
\$200,000
\$100,000
\$0

2004 2005 2006 2004 2005 2006

e-Fashion Los e-Fashion San

All Measures
Sales revenue

Page 6 – Use the More Transformations Option

The table has now been turned into a column chart.

Notice the chart is difficult to read because there are so many columns. The **Turn To** function includes all the data from the table in the chart, which is not always the most effective choice.

Let's restore the original table and try again using the **More Transformations** option, which allows us to specify the data we want to include in the chart.

Select **Undo**.

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7

Turn a Table into a Chart

CPA Business Intelligence | Welcome: ABC3774 | Applications | Help menu | Log off

Home Documents Sales-By-Quarter

File Properties | Report Elements | Formatting | Data Access | Analysis | Page Setup | Reading | Design

Tables | Cell | Section | Chart | Other | Tools | Position | Linking

Turn Into | Set as section

Available Objects

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Sales Report

California

State	Store name	Year	Quarter	Sales revenue
California	e-Fashion Los Angeles	2004	Q1	\$308,928
California	e-Fashion Los Angeles	2004	Q2	\$252,558
California	e-Fashion Los Angeles	2004	Q3	\$232,327
California	e-Fashion Los Angeles	2004	Q4	\$188,824
California	e-Fashion Los Angeles	2005	Q1	\$398,860
California	e-Fashion Los Angeles	2005	Q2	\$303,980
California	e-Fashion Los Angeles	2005	Q3	\$443,591
California	e-Fashion Los Angeles	2005	Q4	\$435,185
California	e-Fashion Los Angeles	2006	Q1	\$421,300

Select the Turn Into list.

Page 7 – Use the More Transformations Option (continued)

Select the **Turn Into** list.

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8

Turn a Table into a Chart

CPA Business Intelligence | Welcome: ABC3774 | Applications | Help menu | Log off

Home | Documents | Sales-By-Quarter

File | Properties | Report Elements | Formatting | Data Access | Analysis | Page Setup | Reading | Design

Tables | Cell | Section | Chart | Other | Tools | Position | Linking | Table Layout | Behaviors

Available Objects

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales r
 - Variable
 - Quarters
 - Month
 - Week

Vertical Table
Horizontal Table
Cross Table
Column Chart
Line Chart
Pie Chart

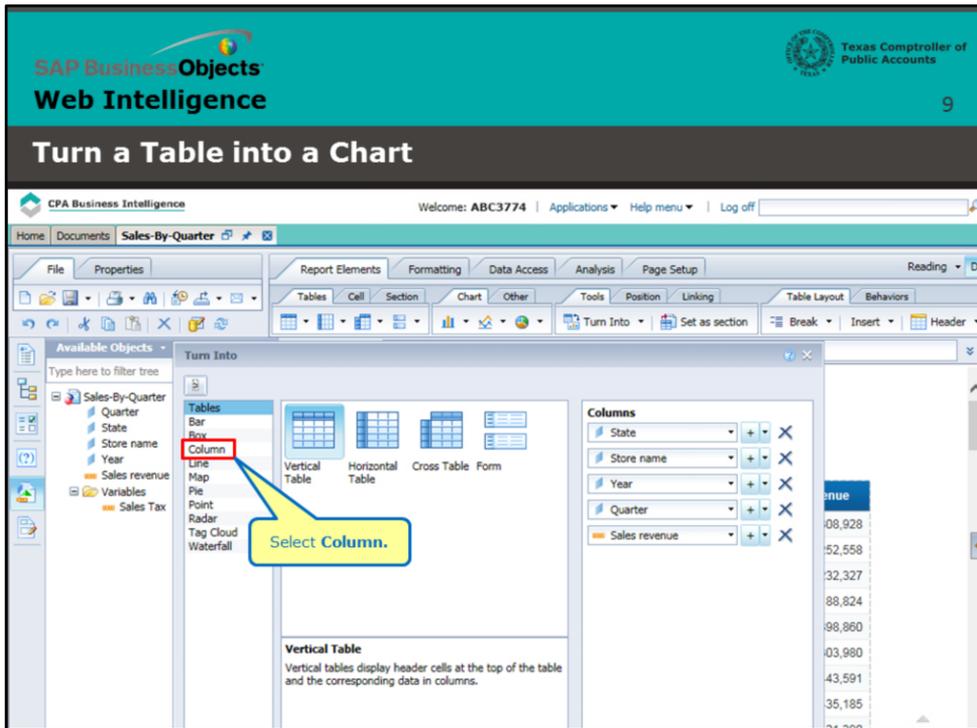
More Transformations... Ctrl+Shift+T

Select More Transformations.

State	Store name	Year	Quarter	Revenue
California	e-Fashion Los Angeles	2005	Q1	\$308,928
California	e-Fashion Los Angeles	2005	Q2	\$252,558
California	e-Fashion Los Angeles	2005	Q3	\$321,327
California	e-Fashion Los Angeles	2005	Q4	\$24,000
California	e-Fashion Los Angeles	2005	Q1	\$396,860
California	e-Fashion Los Angeles	2005	Q2	\$303,980
California	e-Fashion Los Angeles	2005	Q3	\$443,591
California	e-Fashion Los Angeles	2005	Q4	\$435,185

Page 8 – Use the More Transformations Option (continued)

Select **More Transformations**.



Page 9 – Use the More Transformations Option (continued)

Select **Column**.

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10

Turn a Table into a Chart

Welcome: ABC3774 | Applications | Help menu | Log off

We'll delete the **Store Name** and **Quarter** dimensions from the **Category Axis** of the Column chart.

Available Objects

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
- Sales revenue
- Variables
- Sales Tax

Turn Into

Virtual dimension composed of Measure Name is restricted to one occurrence.

Category Axis

- State
- Store name
- Year
- Quarter

Value Axis 1

- Sales revenue

Region Color

- (optional)

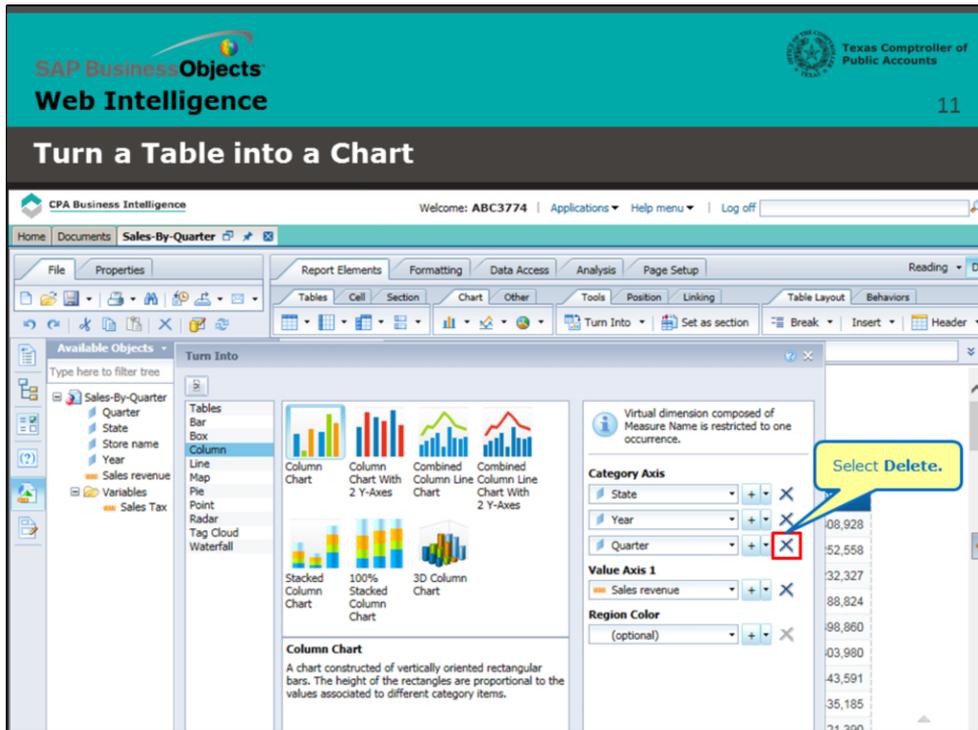
State	Store name	Year	Quarter	Sales revenue
				08,928
				52,558
				32,327
				88,824
				98,860
				03,980
				43,591
				35,185
				24,200

Select Delete.

Page 10 – Use the More Transformations Option (continued)

We'll delete the **Store Name** and **Quarter** dimensions from the **Category Axis** of the Column chart.

Select **Delete**.



**Page 11 – Use the More Transformations Option
(continued)**

Select **Delete**.

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12

Turn a Table into a Chart

Welcome: ABC3774 | Applications | Help menu | Log off

Now we'll set the column color to change for each year value.

Elements | Formatting | Data Access | Analysis | Page Setup | Reading | De

Traces | Cell | Section | Chart | Other | Tools | Position | Linking | Table Layout | Behaviors

Turn Into | Set as section | Break | Insert | Header

Available Objects

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Box
 - Store name
 - Year
- Sales revenue
 - Variables
 - Sales Tax

Turn Into

Tables

- Bar
- Box
- Column
- Line
- Map
- Pie
- Point
- Radar
- Tag Cloud
- Waterfall

Column Chart

Column Chart With 2 Y-Axes

Combined Column Line Chart

Combined Column Line Chart With 2 Y-Axes

Stacked Column Chart

100% Stacked Column Chart

3D Column Chart

Virtual dimension composed of Measure Name is restricted to one occurrence.

Category Axis

- State
- Year

Value Axis 1

- Sales revenue

Region Color

- (optional)

Select the Region Color list.

State	Year	Sales revenue
		08,928
		52,558
		32,327
		88,824
		98,860
		03,980

Page 12 – Set Column Colors

Now we'll set the column color to change for each year value.

Select the **Region Color** list.

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13

Turn a Table into a Chart

CPA Business Intelligence Welcome: ABC3774 | Applications | Help menu | Log off

Home Documents Sales-By-Quarter

File Properties Report Elements Formatting Data Access Analysis Page Setup Reading

Tables Cell Section Chart Other Tools Position Linking Table Layout Behaviors

Turn Into

Available Objects

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Turn Into

- Tables
- Bar
- Box
- Column
- Line
- Map
- Pie
- Point
- Radar
- Tag Cloud
- Waterfall

Column Chart

Column Chart With 2 Y-Axes

Combined Column Line Chart

Combined Column Line Chart With 2 Y-Axes

Stacked Column Chart

100% Stacked Column Chart

3D Column Chart

Virtual dimension composed of Measure Name is restricted to one occurrence.

Category Axis

- State
- Year

Value Axis 1

- Sales revenue

Region Color

- (optional)

Sales-By-Quarter

- Quarter
- State
- Store name
- Year
- Measure names
- Variables

Select the object.

Year	Sales revenue
2008	8,928
2009	52,558
2010	32,327
2011	88,824
2012	98,860

Page 13 – Set Column Colors (continued)

Select the object.

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14

Turn a Table into a Chart

CPA Business Intelligence | Welcome: ABC3774 | Applications | Help menu | Log off

Home | Documents | Sales-By-Quarter

File | Properties | Report Elements | Formatting | Data Access | Analysis | Page Setup | Reading | De

Tables | Cell | Section | Chart | Other | Tools | Position | Linking | Table Layout | Behaviors

Turn Into | Turn Into | Set as section | Break | Insert | Header

Available Objects | Turn Into

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Tables

- Bar
- Box
- Column
- Line
- Map
- Pie
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Column Chart

Column Chart With 2 Y-Axes

Combined Column Line Chart

Combined Column Line Chart With 2 Y-Axes

Stacked Column Chart

100% Stacked Column Chart

3D Column Chart

Virtual dimension composed of Measure Name is restricted to one occurrence.

Category Axis

- State
- Year

Value Axis 1

- Sales revenue

Region Color

- Year

Select OK.

OK | Cancel | Apply

State	Year	Sales revenue
State	Year	08,928
State	Year	52,558
State	Year	32,327
State	Year	88,824
State	Year	98,860
State	Year	03,980
State	Year	43,591
State	Year	35,185
State	Year	21,300

Page 14 – Set Column Colors (continued)

Select **OK**.

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15

Turn a Table into a Chart

CPA Business Intelligence Welcome: ABC3774 | Applications | Help menu | Log off

Home Documents Sales-By-Quarter

File Properties Report Elements Formatting Data Access Analysis Page Setup Reading Design

Tables Cell Section Chart Other Tools Position Linking Turn Into Set as section

Available Objects

Type here to filter tree

- Sales-By-Quarter
 - Quarter
 - State
 - Store name
 - Year
 - Sales revenue
 - Variables
 - Sales Tax

Sales Report

California

The table is now a chart, with the appropriate values displayed in an easy-to-read format.

Year	Sales revenue
2004	~1,800,000
2005	~2,800,000
2006	~3,000,000

Page 15 – The Table Becomes a Chart

The table is now a chart, with the appropriate values displayed in an easy-to-read format.

Turn a Table into a Chart
This concludes this lesson.

[Additional Tutorials](#)

Page 16 - Conclusion

This concludes this lesson.

For more BusinessObjects 4.1 tutorials, select the link below.

[Additional Tutorials](#)