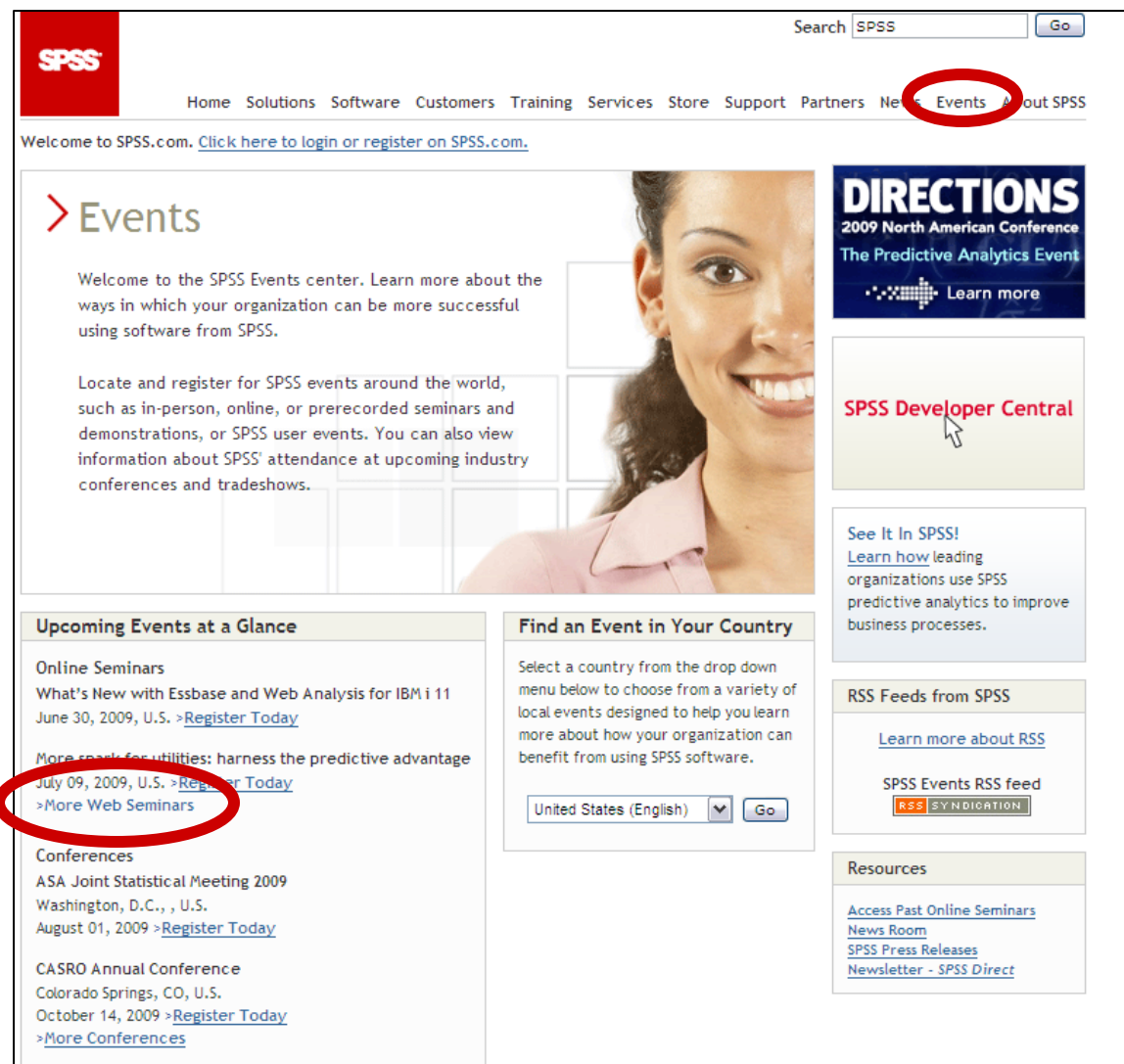


> Introducing Essbase / Web Analysis for IBM i 11

Kathy Konkel
Manager, Product Marketing

> Webinar recording and slides <http://www.spss.com/events/>

SPSS



The screenshot shows the SPSS Events page. At the top, there is a search bar and a navigation menu with links: Home, Solutions, Software, Customers, Training, Services, Store, Support, Partners, **Events** (circled in red), and About SPSS. Below the navigation bar, a welcome message says "Welcome to SPSS.com. Click here to login or register on SPSS.com." The main content area features a large image of a smiling woman on the right and text on the left that reads: "Welcome to the SPSS Events center. Learn more about the ways in which your organization can be more successful using software from SPSS. Locate and register for SPSS events around the world, such as in-person, online, or prerecorded seminars and demonstrations, or SPSS user events. You can also view information about SPSS' attendance at upcoming industry conferences and tradeshows." To the right of the woman's image is a "DIRECTIONS" banner for the "2009 North American Conference The Predictive Analytics Event" with a "Learn more" link. Below this is a "SPSS Developer Central" link with a mouse cursor pointing at it. Further down is a "See It In SPSS!" section with a link to "Learn how leading organizations use SPSS predictive analytics to improve business processes." The bottom section is divided into three columns. The left column, "Upcoming Events at a Glance", lists "Online Seminars" (including "What's New with Essbase and Web Analysis for IBM i 11" and "More speak for utilities: harness the predictive advantage") and "Conferences" (including "ASA Joint Statistical Meeting 2009" and "CASRO Annual Conference"). The middle column, "Find an Event in Your Country", has a dropdown menu set to "United States (English)" and a "Go" button. The right column contains "RSS Feeds from SPSS" (with a link to "Learn more about RSS" and an "RSS SYNDICATION" button) and "Resources" (with links to "Access Past Online Seminars", "News Room", "SPSS Press Releases", and "Newsletter - SPSS Direct"). A red circle highlights the "More Web Seminars" link in the "Upcoming Events at a Glance" section. A red rectangle is also present on the right side of the page, below the "RSS Feeds" section.

SPSS

Search

Home Solutions Software Customers Training Services Store Support Partners **Events** About SPSS

Welcome to SPSS.com. [Click here to login or register on SPSS.com.](#)

> Events

Welcome to the SPSS Events center. Learn more about the ways in which your organization can be more successful using software from SPSS.

Locate and register for SPSS events around the world, such as in-person, online, or prerecorded seminars and demonstrations, or SPSS user events. You can also view information about SPSS' attendance at upcoming industry conferences and tradeshows.

DIRECTIONS

2009 North American Conference
The Predictive Analytics Event

[Learn more](#)

SPSS Developer Central

[See It In SPSS!](#)
[Learn how](#) leading organizations use SPSS predictive analytics to improve business processes.

Upcoming Events at a Glance

Online Seminars
What's New with Essbase and Web Analysis for IBM i 11
June 30, 2009, U.S. [>Register Today](#)
More speak for utilities: harness the predictive advantage
July 09, 2009, U.S. [>Register Today](#)
[>More Web Seminars](#)

Conferences
ASA Joint Statistical Meeting 2009
Washington, D.C., U.S.
August 01, 2009 [>Register Today](#)
CASRO Annual Conference
Colorado Springs, CO, U.S.
October 14, 2009 [>Register Today](#)
[>More Conferences](#)

Find an Event in Your Country

Select a country from the drop down menu below to choose from a variety of local events designed to help you learn more about how your organization can benefit from using SPSS software.

United States (English)

RSS Feeds from SPSS

[Learn more about RSS](#)

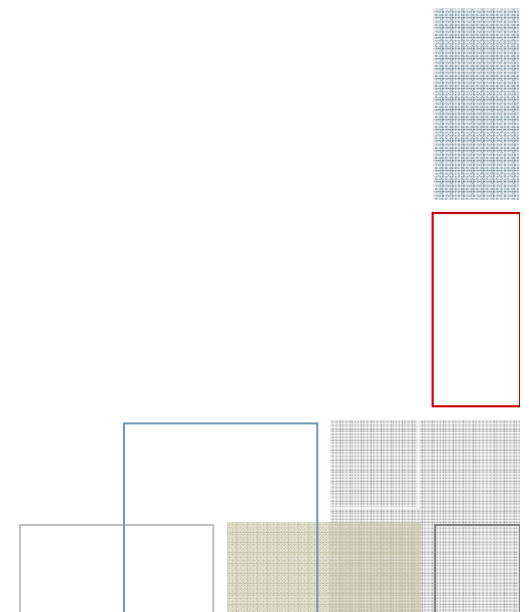
SPSS Events RSS feed
[RSS SYNDICATION](#)

Resources

[Access Past Online Seminars](#)
[News Room](#)
[SPSS Press Releases](#)
[Newsletter - SPSS Direct](#)

> Agenda

- ShowCase Suite Overview
- What's New
 - Essbase
 - Web Analysis (Analyzer)
- Upgrade Planning



> ShowCase Suite Positioning

SPSS

- The leading enterprise BI solution for IBM i customers
 - A complete solution for reporting and analytics designed specifically for organizations that run their business using IBM i

IBM Power Systems

POWER = MANAGEABILITY + PERFORMANCE

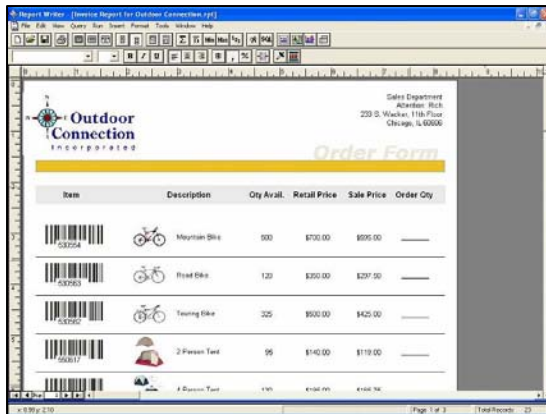
Introducing a new modular Power Blade server, plus faster processors and more control for your dynamic infrastructure



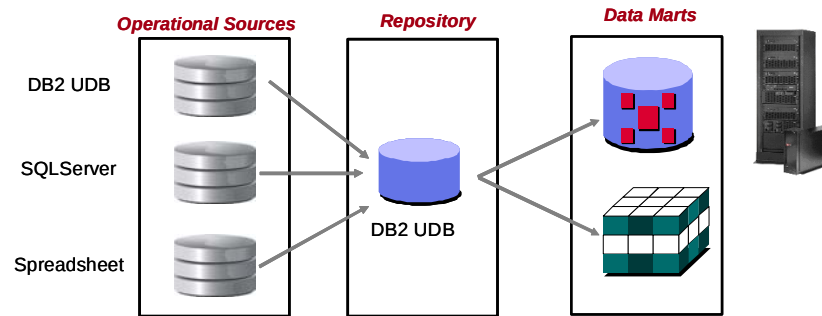
> ShowCase Suite – Complete Solution

SPSS

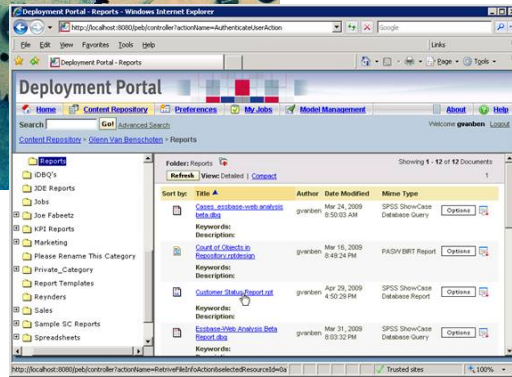
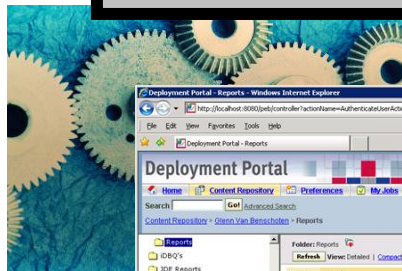
Query and reporting



Data Warehouse Management



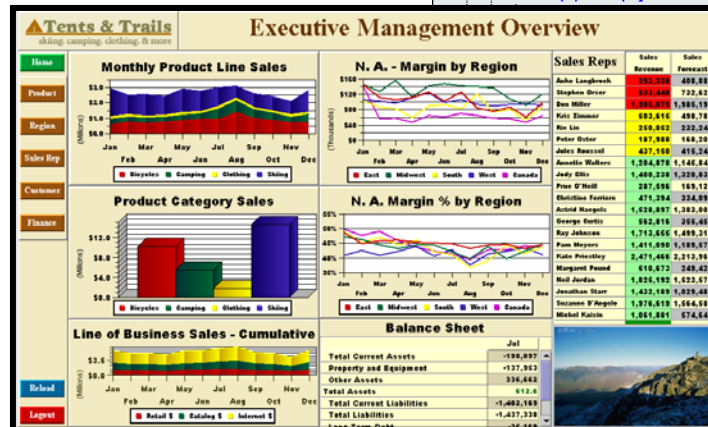
Enterprise reporting



OLAP

Outline: Basic (Active Alias Table: Default)

- Year Time <+> (Active Dynamic Time Series Members: H-)
- Qtr1 (+) <+> (Dynamic Calc)
 - Jan (+)
 - Feb (+)
 - Mar (+)
- Qtr2 (+) <+> (Dynamic Calc)
- Qtr3 (+) <+> (Dynamic Calc)
- Qtr4 (+) <+> (Dynamic Calc)
- Measures Accounts <+> (Label Only)
- Profit (+) <+> (Dynamic Calc)



Reporting) (Dynamic Calc) (Expense Re only)

ro Date, Ounces, Pkg Type)

c) (Two Pass) [Formula: @/V/ alic) (Two Pass) [Formula: @ Boolean] <+> eric] <+> umeric] <+> ate] <+>

> OLAP – On-Line Analytical Processing for a deeper understanding of the business

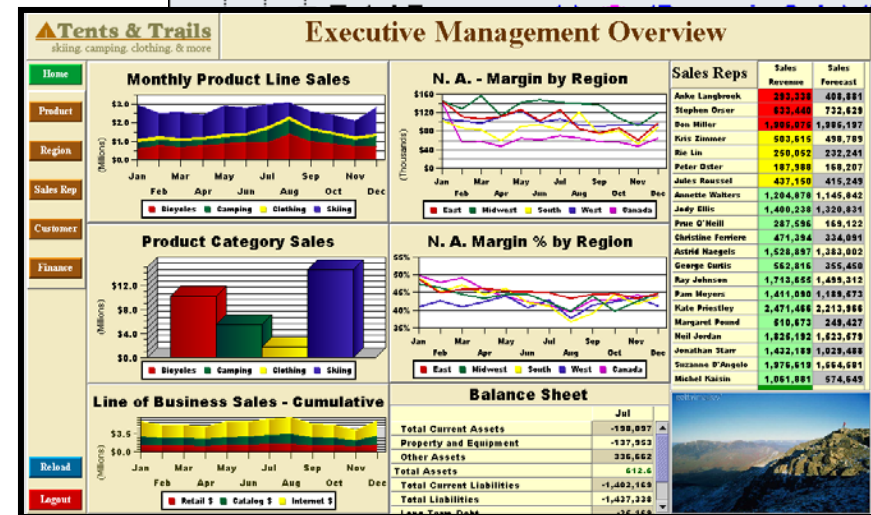
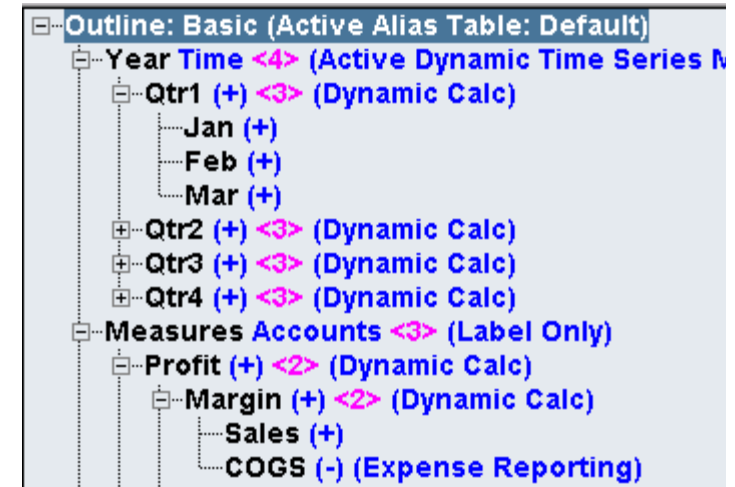
SPSS

■ Essbase® for IBM i

- Industry standard high performance OLAP database for decision support
 - Build analytical models that consolidate actual, projected & derived data
 - Integrated with ShowCase Suite
 - Leverages the power of IBM i

■ Web Analysis for IBM i (previously Analyzer)

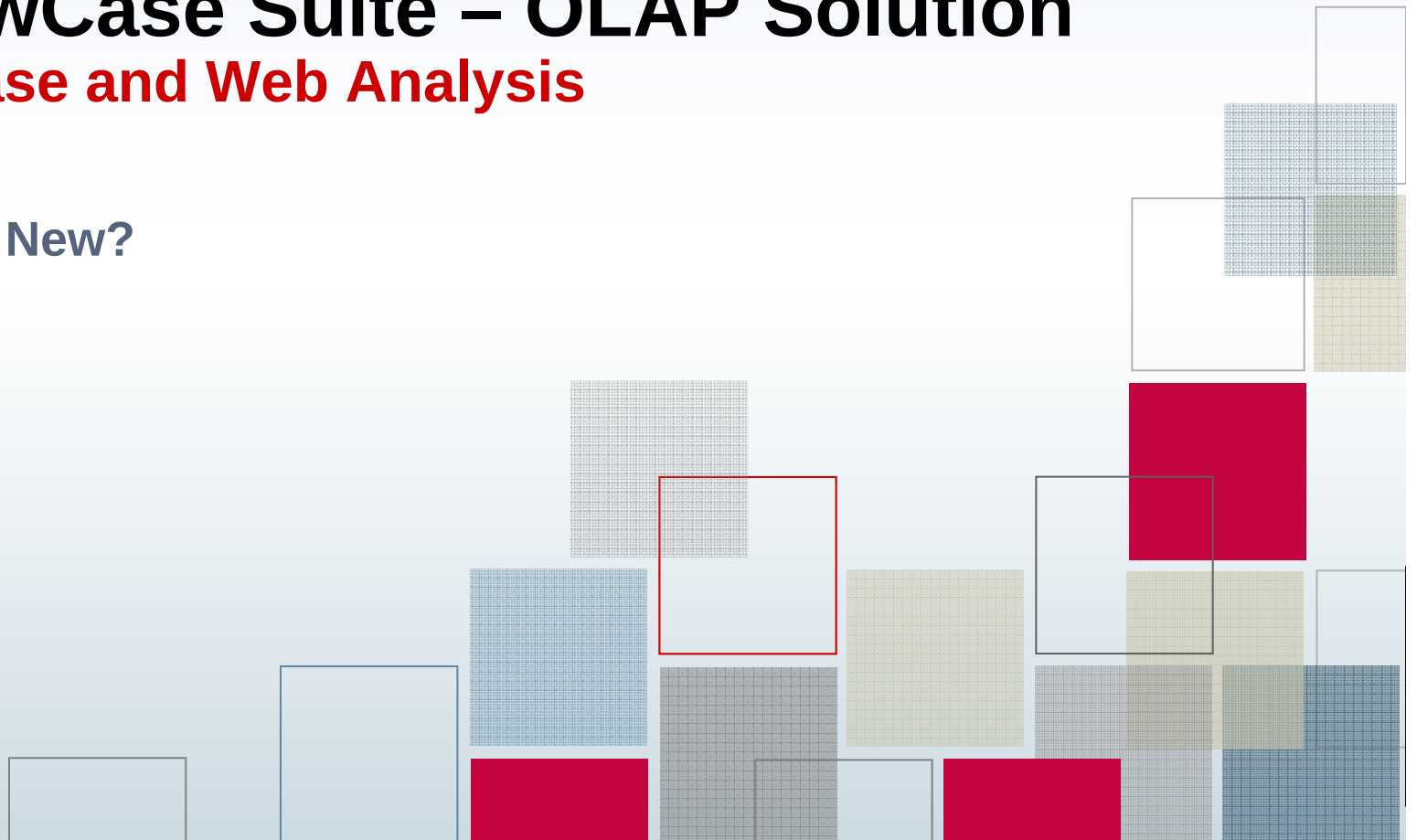
- Browser-based speed of thought analysis
 - Pivot, link & drill into data
 - Highlight exceptions
 - Perform calculations



> ShowCase Suite – OLAP Solution

Essbase and Web Analysis

What's New?



> Essbase / Web Analysis for IBM i 11

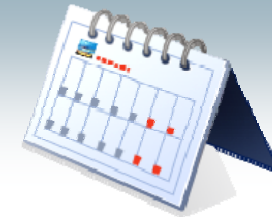
SPSS

- Highlights

- Time intelligence features
 - Allow organizations to analyze date-sensitive information in ways that make sense for their specific business needs
- Faster application deployment and maintenance
 - Minimize the amount of down time needed to load new data into analytical applications
- Improved reporting and integration with Microsoft Office applications
 - Embed live report links into Office documents



> New Time Intelligence Features



- Model any calendar!
 - Gregorian, Manufacturing, Retail, ISO, Fiscal calendars

Year semantic rules—

- ☐ Starting week - number in Month
- ☐ Ending week - number in Month
- ☐ Year starts on a week that includes a specific date
- ☐ Year ends on a week that includes a specific date
- ☐ Year starts on the week on or immediately following a specific date
- ☐ Year starts on a specific date

Month Week Day

☐ Adjust week boundary ☐ Enforce 52 weeks

- ☐ Change first week ☐ By first week
- ☐ Change last week ☐ By last week
- ☐ Auto-merge for short weeks ☐ Auto-merge

Month semantic rule—

- ☐ Starting week number specified
- ☐ Month always starts on a week that includes a specific date (dd)
- ☐ Month starts on the week on or immediately following a specific date (dd)
- ☐ By Qtr-Month pattern

Week pattern ☐ Handle 53 week year

Month having extra week



[-] Date-Time Dimension Time Date None <2> {Day by Month, Day by Quarter, Day by Semester, Day by Year}

[-] Fiscal Year 2007 (+) <2> (Never Share) {TI-MBR,TSPAN[4-17-2007,1-5-2008]} {/}

[-] Semester 1 of Fiscal Year 2007 (+) <1> (Never Share) {Semester by Year: [Semester by Year]}

[-] Quarter 2 of Fiscal Year 2007 (+) <3> (Never Share) {Quarter by Semester: [Quarter by Semester]}

[-] Month 4 of Fiscal Year 2007 (+) <3> (Never Share) {Month by Quarter: [Month by Quarter]}

[-] Week 15 of Fiscal Year 2007 (+) <5> (Never Share) {Week by Month: [Week by Month]}

Apr 17 2007 (+) (Never Share) {Day by Month: [Day by Month].[17], Day by Month: [Day by Month].[17]}

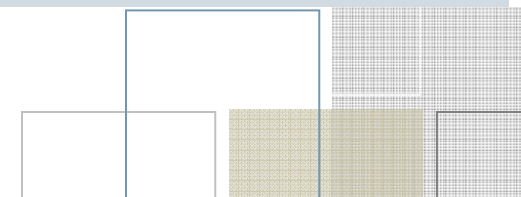
Apr 18 2007 (+) (Never Share) {Day by Month: [Day by Month].[18], Day by Month: [Day by Month].[18]}

Apr 19 2007 (+) (Never Share) {Day by Month: [Day by Month].[19], Day by Month: [Day by Month].[19]}

Apr 20 2007 (+) (Never Share) {Day by Month: [Day by Month].[20], Day by Month: [Day by Month].[20]}

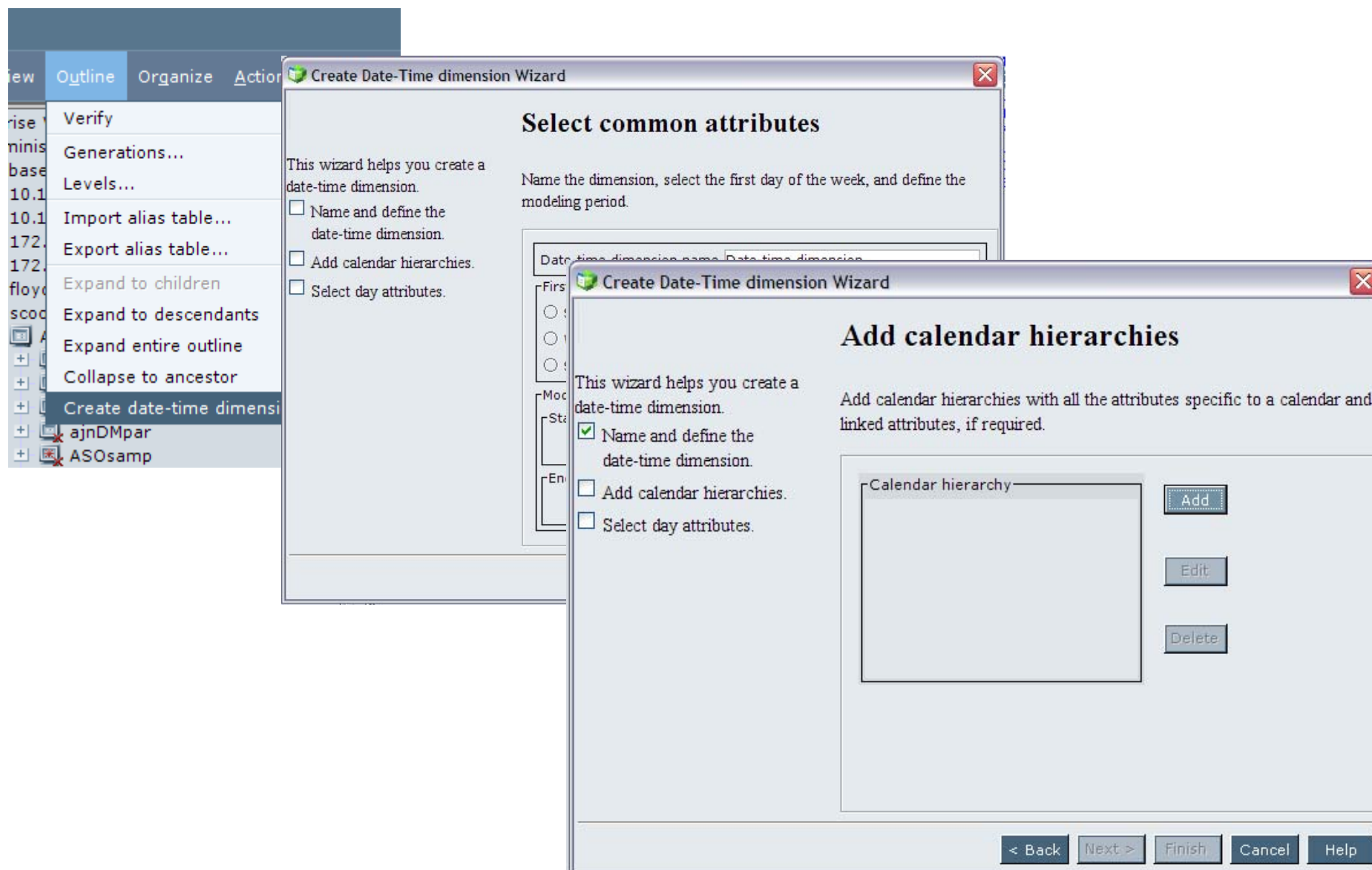
Apr 21 2007 (+) (Never Share) {Day by Month: [Day by Month].[21], Day by Month: [Day by Month].[21]}

+ Week 16 of Fiscal Year 2007 (+) <7> (Never Share) {Week by Month: [Week by Month]}



> Date-Time Dimension Wizard

SPSS



> Calendar Hierarchies

SPSS

Gregorian:

- Jan 01-Dec 31
- Yr, Sem, Trim, Qtr, Month, Wk, Day

Manufacturing:

- 13 period year, 7 day wks
- 3 qtrs – 3 periods, 1 qtr – 4 periods
- Period=4 wks
- Define where extra period and week fall

Retail:

- From National Retail Federation
- 4-5-4 Qtr
- Leap weeks, 53 week year
- Start Early Feb

Fiscal:

- Start on any date
- 4-4-5, 4-5-4, 5-4-4 patterns for qtrs

ISO 8601:

- 7 day week
- Starts on first Thurs of Gregorian yr
- Monday first day of wk
- Yr, wk, day

The screenshot displays the 'Select Calendar Hierarchy' dialog box in SPSS, which is used to define time series hierarchies. The dialog is divided into several sections: 'Hierarchy name', 'Calendar', 'Time Depth', and 'Year semantic rules'. The 'Calendar' section includes radio buttons for 'Gregorian', 'Retail', 'Manufacturing', 'Fiscal', and 'ISO'. The 'Time Depth' section includes a tree view for selecting time units like Year, Semester, Trimester, Quarter, Month, Period, Week, and Day. The 'Year semantic rules' section includes options for 'Starting week - number in month', 'Ending week - number in month', and 'Year starts on a week that includes a specific date'. The 'Month semantic rules' section includes options for 'Starting week number specified', 'Month always starts on a week that includes a specific date (dd)', and 'By Qtr-Month pattern'. The 'ISO 8601' section includes options for '7 day week', 'Starts on first Thurs of Gregorian yr', 'Monday first day of wk', and 'Yr, wk, day'. The 'Retail' section includes options for '4-5-4 Qtr', 'Leap weeks, 53 week year', and 'Start Early Feb'. The 'Fiscal' section includes options for 'Start on any date' and '4-4-5, 4-5-4, 5-4-4 patterns for qtrs'. The 'Manufacturing' section includes options for '13 period year, 7 day wks', '3 qtrs – 3 periods, 1 qtr – 4 periods', 'Period=4 wks', and 'Define where extra period and week fall'. The 'Gregorian' section includes options for 'Jan 01-Dec 31' and 'Yr, Sem, Trim, Qtr, Month, Wk, Day'. The dialog box also includes buttons for 'Add linked attributes', 'Help', 'OK', and 'Cancel'.

> Linked Attributes for Periodic Time

Select Linked Attributes

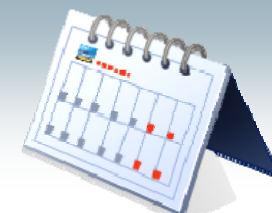
	Year	Semester	Whole Quarter	Period	Week
Semester	Dimension name Semester by Year Alias name prefix SemesterByYear				
Quarter	Dimension name Quarter by Year Alias name prefix QtrByYear	Dimension name rter by Semester Alias name prefix QtrBySem			
Part Period	Dimension name Period by Year Alias name prefix PeriodByYear	Dimension name riod by Semester Alias name prefix PeriodbySem	Dimension name eriod by Quarter Alias name prefix PeriodbyQtr		
Week	Dimension name Week by Year Alias name prefix WeekByYear	Dimension name eek by Semester Alias name prefix WeekBySem	Dimension name Week by Quarter Alias name prefix WeekByQtr	Dimension name Week by Period Alias name prefix WeekByPeriod	
Day	Dimension name Day by Year Alias name prefix DayByYear	Dimension name Day by Semester Alias name prefix DayBySem	Dimension name Day by Quarter Alias name prefix DayByQtr	Dimension name Day by Period Alias name prefix DayByPeriod	Dimension name Day by Week Alias name prefix DayByWeek

☒ Select all linked attributes

Help OK Cancel

Periodicity = Shared pattern among date-time dimension members

> Periodic Time



SPSS

- 2nd month in each quarter, 3rd quarter in every year, “fall” season

	Market	Scenario	Sales	Root Beer	Fiscal Year 2005	
	Mon 1	Mon 2	Mon 3			
Qtr 1	14220	12124	10619			
Qtr 2	11178	13381	11959			
Qtr 3	15359	11222	11743			
Qtr 4	12598	12606	10192			

	Market	Scenario	Sales	Root Beer	Quarter 1 2005	
	Week 1	Week 2	Week 3	Week 4		
Mon 1	2341	2832	3702	2838		
Mon 2	3057	2394	3172	3501		
Mon 3	3130	1001	3220	3268		

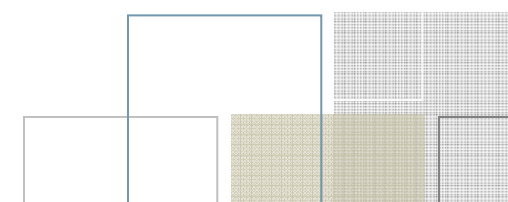
	Market	Scenario	Sales	Root Beer	Quarter 1 2005			
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
Mon 1	357	-	363	230	1018	330	43	723
Mon 2	45	235	263	607	797	767	343	941
Mon 3	683	-	643	308	325	628	543	104

	Market	Scenario	Sales	Root Beer	Month 1 2005			
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
Week 1	357	-	363	230	1018	330	43	
Week 2	723	43	351	456	224	682	353	
Week 3	1126	112	906	-	130	787	641	
Week 4	329	439	456	110	629	875	-	

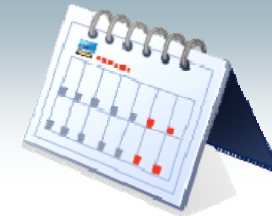


```

- Fiscal Years Time Date Stored # D
  - Year 2005 (+) <2> (Alias: Fiscal Year 2005)
    - Semester 1 (+) <2> (Alias: Semester 1)
      - Quarter 1 (+) <3> (Alias: Quarter 1)
        - Month 1 (+) <5> (Alias: Month 1)
          - Week 1 (+) <7>
            - 02 Jan 05 (+)
            - 03 Jan 05 (+)
            - 04 Jan 05 (+)
            - ...
          + Year 2006 (+) <2> (Alias: Fiscal Year 2006)
          + Year 2007 (+) <2> (Alias: Fiscal Year 2007)
        + Measures Accounts Dynamic Com
        + Product Multiple Hierarchies Enable
        + Market Stored # Default # <4> {P
        + Scenario Stored # Default # <4> {
  
```



> Events and Holidays Captured!



- Events and holidays
- Day modeling

Create Date-Time dimension Wizard

This wizard helps you create a date-time dimension.

☒ Name and define the date-time dimension.

☒ Add calendar hierarchies.

☐ Select day attributes.

Select the day attributes for the date-time dimension

Select the reserve days, holidays and day modeling.

Reserve days

☒ Sunday Day label: Weekend

☐ Monday Day label:

☐ Tuesday Day label:

☐ Wednesday Day label:

☐ Thursday Day label:

☐ Friday Day label:

☒ Saturday Day label: Weekend

Holidays

Nov 26, 2009 Add

Nov 27, 2009

Jul 4, 2009 Remove

Sep 7, 2009

May 25, 2009

Holiday label:

Holidays:

Day modeling

☒ Perform day modeling

Day label: Day of week

< Back Next > Finish Cancel Help

	Market	Scenario	Fiscal Year 2007
	Avg Weekend Sales	Avg Midweek Sales	
Caffeine Free Cola	137.25	138.23	
Cola	358.05	329.93	
Diet Cola	267.73	272.18	
Old Fashioned	260.41	237.71	
Sasparilla	230.80	144.78	
Diet Root Beer	327.73	323.42	
Birch Beer	412.88	313.43	
Dark Cream	271.04	303.62	
Vanilla Cream	200.05	214.79	
Diet Cream	315.63	315.90	

Grape	Market	Scenario	Cola	Sales
Orange	Day 6			
Strawberry	Fiscal Year 2000	6219		
	Fiscal Year 2001	9371		
	Fiscal Year 2002	7826		
	Fiscal Year 2003	8225		
	Fiscal Year 2004	12738		
	Fiscal Year 2005	8912		
	Fiscal Year 2006	8977		
	Fiscal Year 2007	7657		

> Outline Automatically Created

Outline: MCA (Active Alias Table: Details)

- Date-time dimension Time Date None <1> {Day by Period, Day by Quarter, Day by Semester, Day by Week, Day by Year, Day of week,
 - Manufacturing Year 2009 (+) <2> (Never Share) /* TI-MBR,TSPAN[6-1-2009,5-31-2010]! */
 - Semester 1 of Manufacturing Year 2009 (-) <2> (Never Share) {Semester by Year: 1} /* TI-MBR,TSPAN[6-1-2009,12-20-2009]! */
 - Quarter 1 of Manufacturing Year 2009 (+) <4> (Never Share) {Quarter by Semester: 1; Quarter by Year: 1} /* TI-MBR,TSPAN[6-1-2009,3-31-2009]! */
 - + Period 1 of Manufacturing Year 2009 (+) <4> (Never Share) {Period by Quarter: 1; Period by Semester: 1; Period by Year: 1} /* TI-MBR,TSPAN[6-1-2009,1-31-2009]! */
 - + Period 2 of Manufacturing Year 2009 (+) <4> (Never Share) {Period by Quarter: 2; Period by Semester: 2; Period by Year: 1} /* TI-MBR,TSPAN[6-1-2009,4-30-2009]! */
 - + Period 3 of Manufacturing Year 2009 (+) <4> (Never Share) {Period by Quarter: 3; Period by Semester: 3; Period by Year: 1} /* TI-MBR,TSPAN[6-1-2009,7-29-2009]! */
 - + Period 4 of Manufacturing Year 2009 (+) <4> (Never Share) {Period by Quarter: 4; Period by Semester: 4; Period by Year: 1} /* TI-MBR,TSPAN[6-1-2009,10-28-2009]! */
 - + Quarter 2 of Manufacturing Year 2009 (+) <3> (Never Share) {Quarter by Semester: 2; Quarter by Year: 2} /* TI-MBR,TSPAN[6-1-2009,1-31-2010]! */
 - + Semester 2 of Manufacturing Year 2009 (-) <2> (Never Share) {Semester by Year: 2} /* TI-MBR,TSPAN[12-21-2009,5-31-2010]! */
 - + Day of week Attribute [Type: Text] <7>
- Holidays Attribute [Type: Boolean] <2>
 - True
 - False
- Weekend Attribute [Type: Boolean] <2>
 - True
 - False
- Semester by Year Linked Attribute None <2>
 - 1 (~) (Alias: SemesterByYear 1)
 - 2 (~) (Alias: SemesterByYear 2)
- + Quarter by Year Linked Attribute None <4>
- + Quarter by Semester Linked Attribute None <2>
- + Period by Year Linked Attribute None <13>
- + Period by Semester Linked Attribute None <7>
- + Period by Quarter Linked Attribute None <4>
- + Week by Year Linked Attribute None <52>
- + Week by Semester Linked Attribute None <28>
- + Week by Quarter Linked Attribute None <16>
- + Week by Period Linked Attribute None <4>
- + Day by Year Linked Attribute None <365>
- + Day by Semester Linked Attribute None <203>
- + Day by Quarter Linked Attribute None <119>
- + Day by Period Linked Attribute None <35>
- + Day by Week Linked Attribute None <14>

> Text and Date Measures



SPSS

■ Text lists

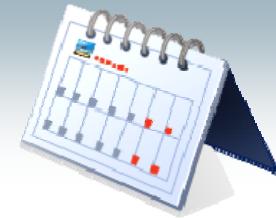
- Use text and dates as measures in multidimensional reporting
- Perform analysis based on text or date measures
- New types of reports and analysis

	A	B	C	D	E	F	G	H	I
1	Jan 2006				Feb 2006				
2		SalesRank	Sales	Satisfaction	Transaction date	SalesRank	Sales	Satisfaction	Transaction date
3	1. Daria Zalack	5	385	Satisfied	1/7/2006	9	894	Satisfied	2/13/2006
4	2. Garey Bennett	2	2709	Satisfied	1/20/2006	5	3274	Rather satisfied	2/11/2006
5	3. Brady Sell	9	264	Rather dissatisfied	1/6/2006	8	1337	Satisfied	2/17/2006
6	4. Tammie Weisgarbe	6	383	Rather satisfied	1/19/2006	3	3897	Rather satisfied	2/24/2006
7	5. Kian Clark	3	2079	Very dissatisfied	1/6/2006	10	471	Very dissatisfied	2/22/2006
8	6. Harriett Laurenzi	7	349	Rather satisfied	1/12/2006	4	3842	Rather satisfied	2/3/2006
9	7. Aaliyah Shaffer	10	223	Rather satisfied	1/3/2006	2	4599	Satisfied	2/16/2006
10	8. Kailyn Joyce	1	3808	Satisfied	1/14/2006	6	2217	Dissatisfied	2/23/2006
11	9. Madge Zoucks	8	307	Satisfied	1/17/2006	1	4876	Satisfied	2/12/2006
12	10. Christianne Nicola	4	462	Very satisfied	1/16/2006	7	1941	Very satisfied	2/28/2006

	Sales	Package Type
Cola	40013.2	Bottle
Diet Cola	12640.6	Can
Caffeine Free Cola	6281.6	Can
Colas	58935.4	Bottle
		Can
		Invalid

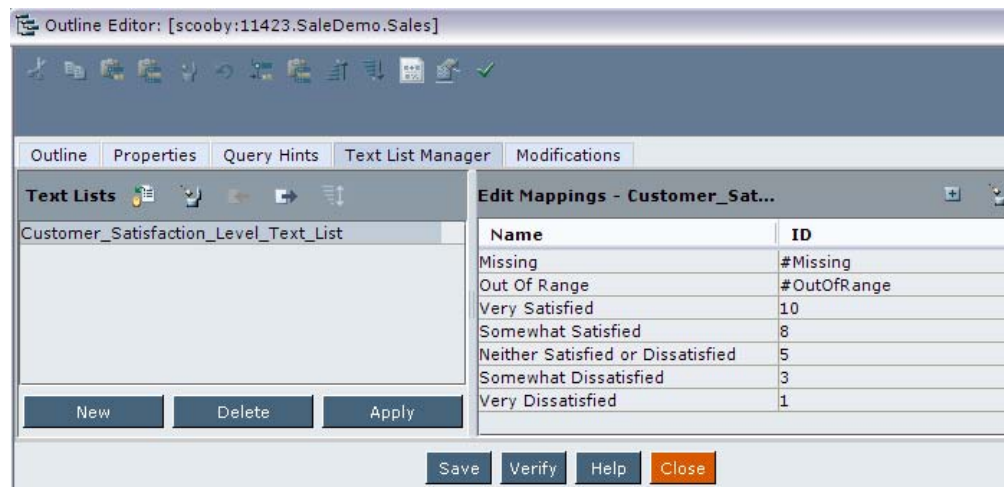
	Sales Program Intro Date	Sales Program Term Date	Deviation from Average Life Span
All Merchandise	October 22, 2004	December 16, 2004	-22
Digital Cameras	April 6, 2004	July 25, 2004	-77
Camcorders	October 18, 2004	December 31, 2004	-41
Photo Printers	September 6, 2004	September 24, 2005	-18
Handhelds	June 17, 2005	November 6, 2005	-174
Memory	April 6, 2004	November 24, 2005	-27
Other Accessories	May 13, 2005	February 24, 2006	-174
Boomboxes	May 2, 2006	March 23, 2006	-23
Radios	June 24, 2006	May 12, 2006	28
Direct View	December 23, 2005	June 4, 2006	-38
		August 1, 2006	
		March 5, 2006	

> Date / Text Measure Analysis



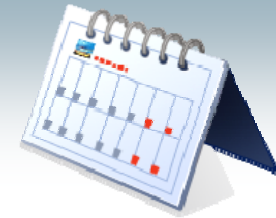
SPSS

- Text measures are stored as numbers
 - Calculate averages and summaries
 - Example:
 - Find average Rating for a group of customers
 - Group A is average satisfaction for the group
- Perform time operations
 - Calculate life span for sales program based on start and end dates

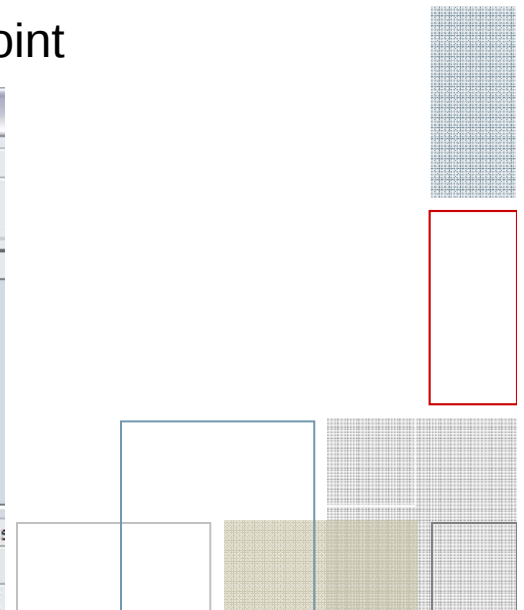
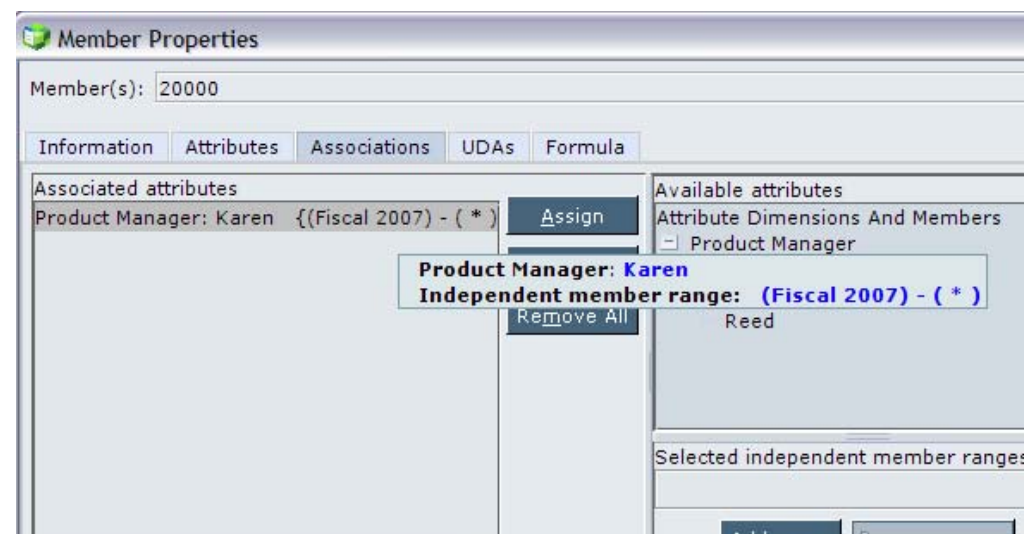


	Sales	Time
		Satisfaction
1		
2		
3	1. Daria Zalack	385 Satisfied
4	2. Garey Bennett	2709 Rather dissatisfied
5	3. Brady Sell	264 Rather satisfied
6	4. Tammie Weisgarbei	383 Rather satisfied
7	5. Kian Clark	2079 Very dissatisfied
8	6. Harriett Laurenzi	349 Rather satisfied
9	7. Aaliyah Shaffer	223 Rather satisfied
10	8. Kailyn Joyce	3808 Rather dissatisfied
11	9. Madge Zoucks	307 Satisfied
12	10. Christianne Nicola	462 Very satisfied
13	Group A	10969 Rather satisfied

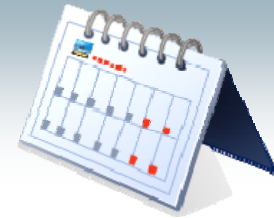
> Varying Attributes (aka Slowly Changing Attributes)



- Varying attributes feature enables you to:
 - Store data for situations where attributes can change, such as
 - Employee hierarchy - over time
 - Product packaging - over different markets
 - Analyze data based on perspectives
 - Historical data – reflect the actual changes
 - Point-in-time – as how the hierarchy was at a certain point



> Varying Attributes – Perspectives



SPSS

- Reality perspective

Manager	Category	Months											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vlad	Colas	8,314	8,327	8,407	8,685	8,265	8,172	7,595	7,478	6,849	7,303	8,220	8,772
	Root Beer	8,716	8,960	8,951	8,969	9,071							
	Cream Soda							9,318	9,163	8,169	8,276	8,157	8,589
Igor	Root Beer						9,361	9,463	9,538	8,941	9,192	8,942	8,982
	Cream Soda	7,874	8,046	8,077	8,367	8,517	8,852						
	Fruit Soda	6,634	6,736	6,778	6,896	7,141	7,318	7,440	7,520	7,119	6,997	6,652	6,999

- March perspective

Manager	Category	Months											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vlad	Colas	8,314	8,327	8,407	8,685	8,265	8,172	7,595	7,478	6,849	7,303	8,220	8,772
	Root Beer	8,716	8,960	8,951	8,969	9,071	9,361	9,463	9,538	8,941	9,192	8,942	8,982
Igor	Cream Soda	7,874	8,046	8,077	8,367	8,517	8,852	9,318	9,163	8,169	8,276	8,157	8,589
	Fruit Soda	6,634	6,736	6,778	6,896	7,141	7,318	7,440	7,520	7,119	6,997	6,652	6,999

- July perspective

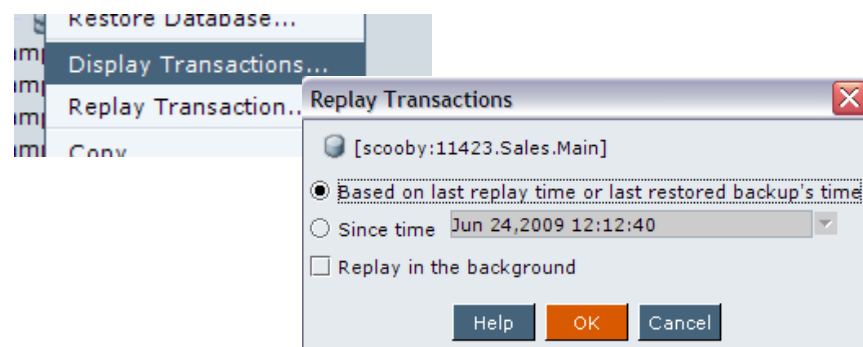
Manager	Category	Months											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vlad	Colas	8,314	8,327	8,407	8,685	8,265	8,172	7,595	7,478	6,849	7,303	8,220	8,772
	Cream Soda	7,874	8,046	8,077	8,367	8,517	8,852	9,318	9,163	8,169	8,276	8,157	8,589
Igor	Root Beer	8,716	8,960	8,951	8,969	9,071	9,361	9,463	9,538	8,941	9,192	8,942	8,982
	Fruit Soda	6,634	6,736	6,778	6,896	7,141	7,318	7,440	7,520	7,119	6,997	6,652	6,999

> Backup / Restore, Transaction Logging

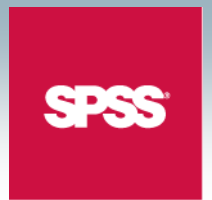
SPSS



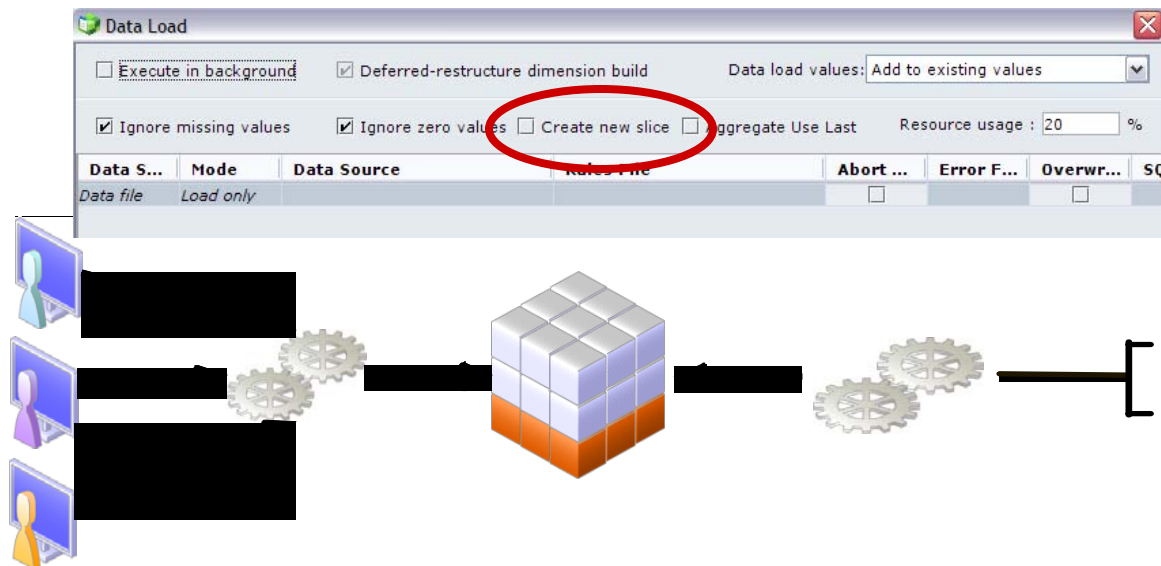
- Backup / Restore
 - Copy files to archive
 - Database read only during backup
 - Restore from archive at later point
- Transaction logging and replay
 - Track write operations
 - Load, calc, lock and send
 - Display/ replay from a certain point or event



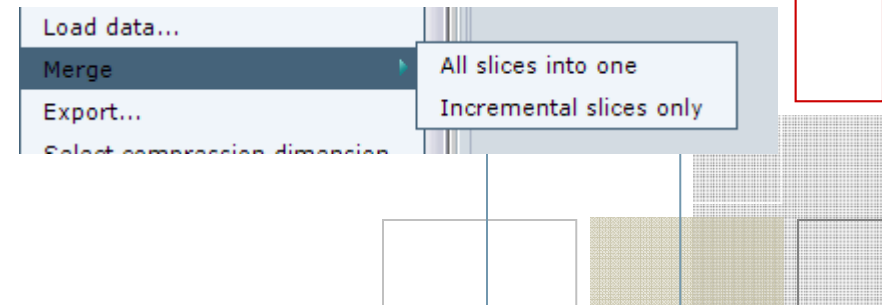
> ASO trickle-feeding



- Trickle-feed into a “persisted” ASO cube



- Cube is online through the trickle-feed process
 - Read & Write can co-exist with trickle-feed

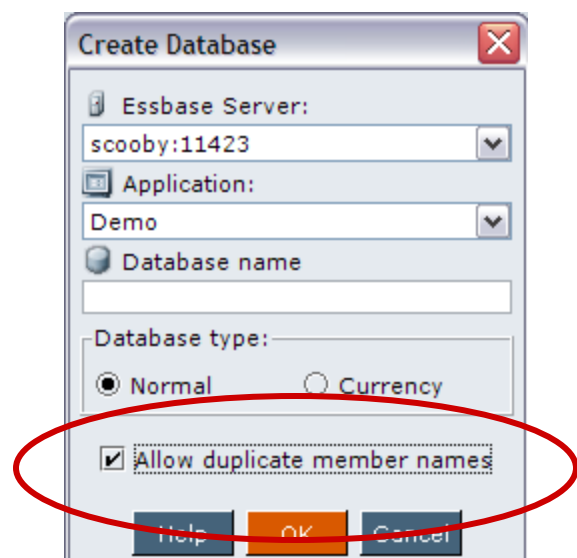


> Other Essbase Highlights



SPSS

- Duplicate (Non-Unique) member name support



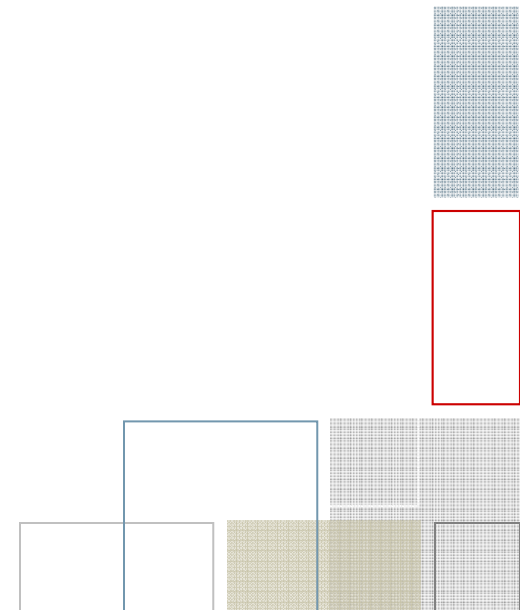
Territories Stored # Default # <3>

- 1000 (+) <5> (Alias: North America)
 - 1100 (+) <14> (Alias: East)
 - + 00 (+) <1> (Alias: District of Columbia)
 - + 07 (+) <1> (Alias: Connecticut)
 - + 08 (+) <1> (Alias: Delaware)
 - + 14 (+) <1> (Alias: Indiana)
 - + 19 (+) <1> (Alias: Maine)
 - + 20 (+) <1> (Alias: Maryland)
 - + 21 (+) <1> (Alias: Massachusetts)
 - + 22 (+) <2> (Alias: Michigan)
 - + 30 (+) <2> (Alias: New Jersey)
 - 32 (+) <4> (Alias: New York)
 - Rochester (+)
 - Syracuse (+)
 - Buffalo (+)
 - New York (+)
 - + 35 (+) <2> (Alias: Ohio)
 - + 38 (+) <1> (Alias: Pennsylvania)
 - + 46 (+) <2> (Alias: Virginia)
 - + 48 (+) <1> (Alias: West Virginia)
 - 1200 (+) <10> (Alias: Midwest)
 - + 06 (+) <4> (Alias: Colorado)
 - + 13 (+) <2> (Alias: Illinois)
 - + 15 (+) <2> (Alias: Iowa)
 - + 16 (+) <1> (Alias: Kansas)
 - 23 (+) <3> (Alias: Minnesota)
 - Minneapolis (+)
 - Rochester (+)
 - Coon Rapids (+)

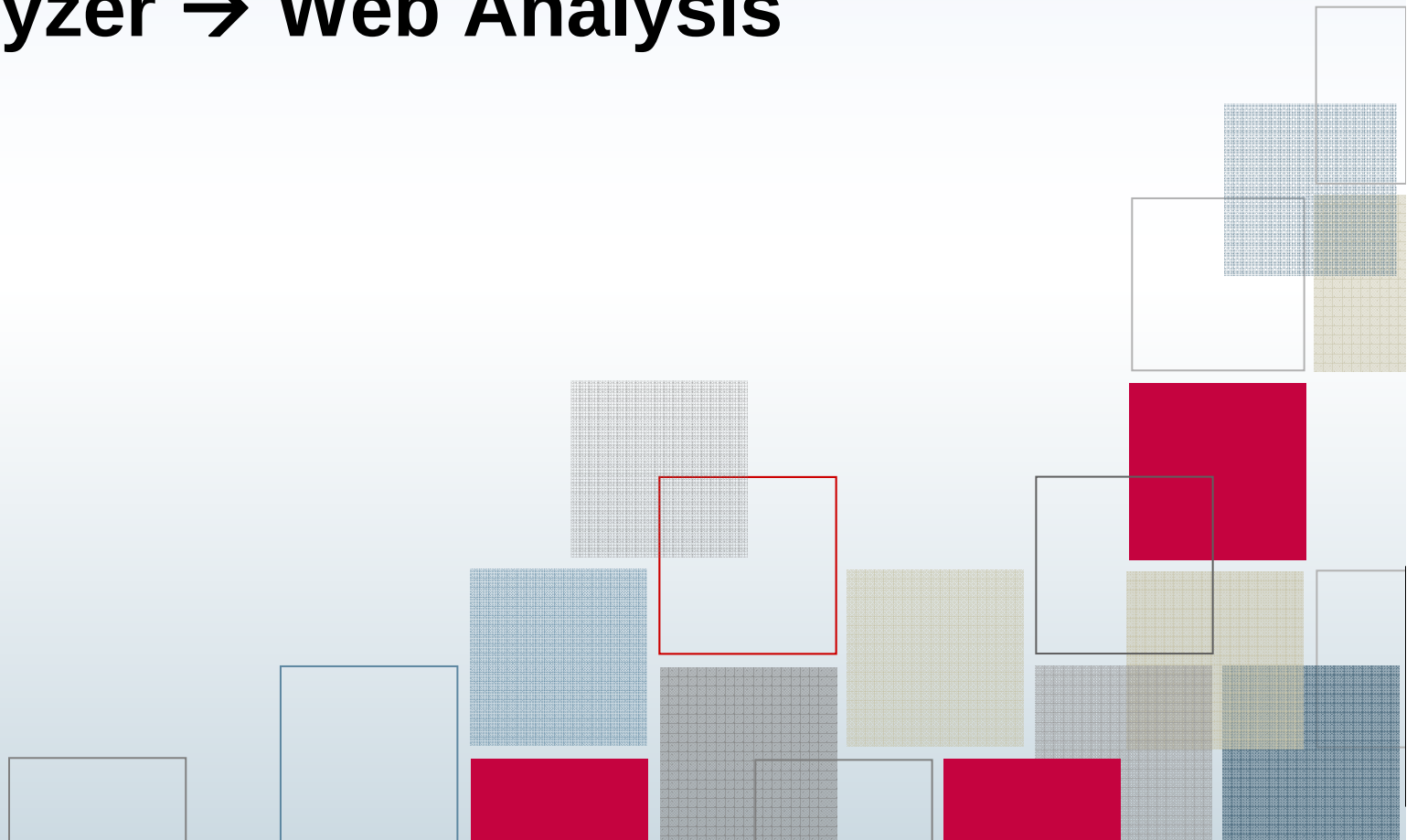
> Other Essbase Highlights



- Aggregate Storage Option enhancements
 - Outline restructure
 - Data export
 - Improved compression
 - Rank
- Substitution variable enhancements
 - Partition definitions
 - Outline formula
 - MaxL and MDX scripts
 - Data load rules
- Browser based development and administration

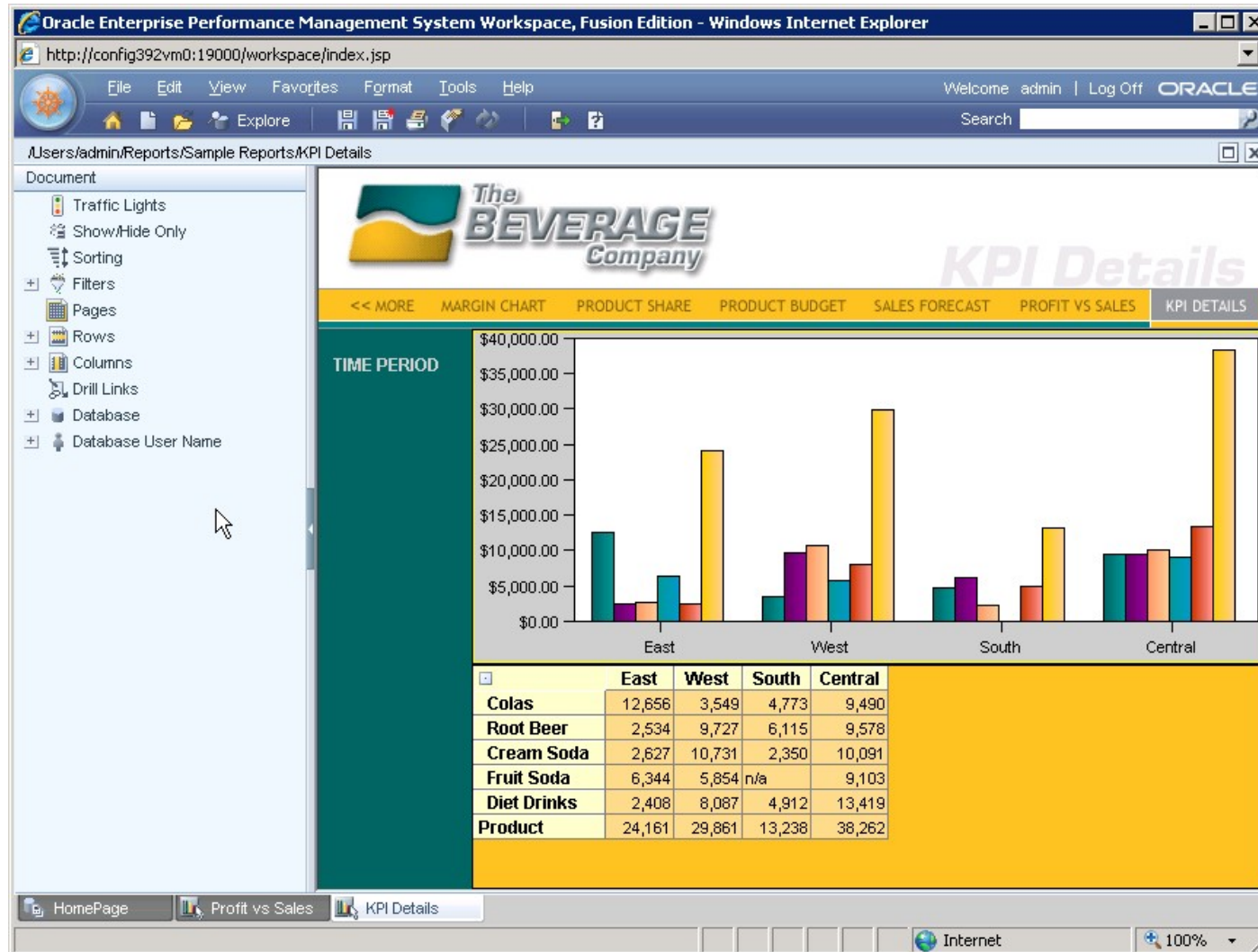


> Analyzer → Web Analysis



> Integrated Workspace

HTML client in addition to Web Analysis Studio (Java applet)



> Advanced Expressions in Calculations

SPSS

- Multiple expressions within one calculation
 - For example “((Sales – COGS) / Net Income) * 100”.

The screenshot shows the 'Calculation Definition' dialog box in SPSS. The 'Name' field is set to 'Untitled'. The 'Definition' field is empty. Below the definition field is a toolbar with mathematical operators: +, -, *, /, (, and). The 'Members' tab is selected, showing a 'Formula' field with 'Absolute Value([0])' and an 'Insert' button. The 'Function' dropdown is set to 'Absolute Value'. The 'Select Members' list contains 'Qtr1', 'Qtr2', 'Qtr3', and 'Qtr4'. The 'Arguments' field is empty. The 'Opposite Member' dropdown is set to 'Profit'. At the bottom, there are checkboxes for 'Advanced', 'Ignore Calculations', 'All Members', and 'Dynamic References', a 'Constant' field, and 'Help', 'OK', 'Apply', and 'Cancel' buttons.

> Improved Formatting Usability



The screenshot shows the 'Formatting' dialog box with the 'Data Format' tab selected. The 'Advanced' checkbox is circled in red. The 'Apply to entire grid' checkbox is also visible.

Formatting

Selections

- ☒ Scenario
 - ☒ Actual
 - ☐ Budget
- ☒ Year
 - ☒ Qtr1
 - ☐ Qtr2

Header Font **Data Font** **Data Format**

☐ Conditional Formatting > 0.0

Leading and Trailing

Currency Symbol: None

Positive Prefix:

Positive Suffix:

Negative Prefix: -

Negative Suffix:

Numeric Formatting

☒ Grouped Thousands

Minimum Decimals: 0

Maximum Decimals: 3

Scale: 1.0

☐ Use Negative Color

Select Negative Color...

Date Formatting: None

Samples

Raw Number: 12345678.91234

Positive Sample: 12,345,678.912

Negative Sample: -12,345,678.912

Update Samples

Replace Missing With

☐ Zeros

☒ Text

n/a

☐ Dynamic References

☒ **Advanced**

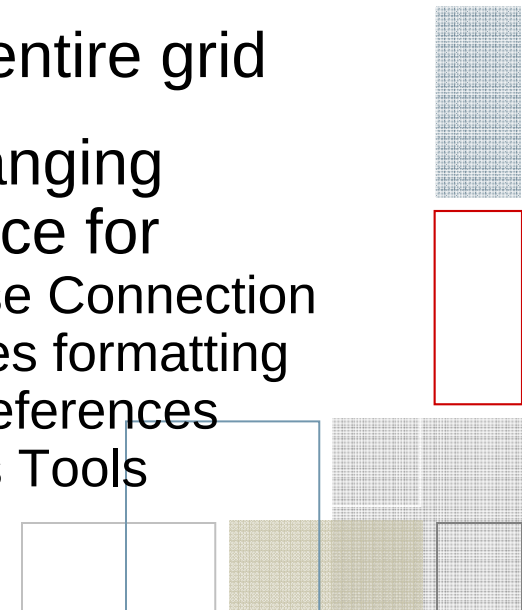
☐ Apply to entire grid

Help OK Cancel

The screenshot shows the 'Analysis Tools Manager' dialog box. The 'Ordered By' list contains the following items:

Active	Type	Description
☒	Default Formatting	User Preferences Based Default Forma...
☒	Default Formatting	Data Source Based Default Formatting
☒	Format	Actual:Qtr1
☒	Format	Cream Soda
☒	Format	Cream Soda Actual:Qtr1

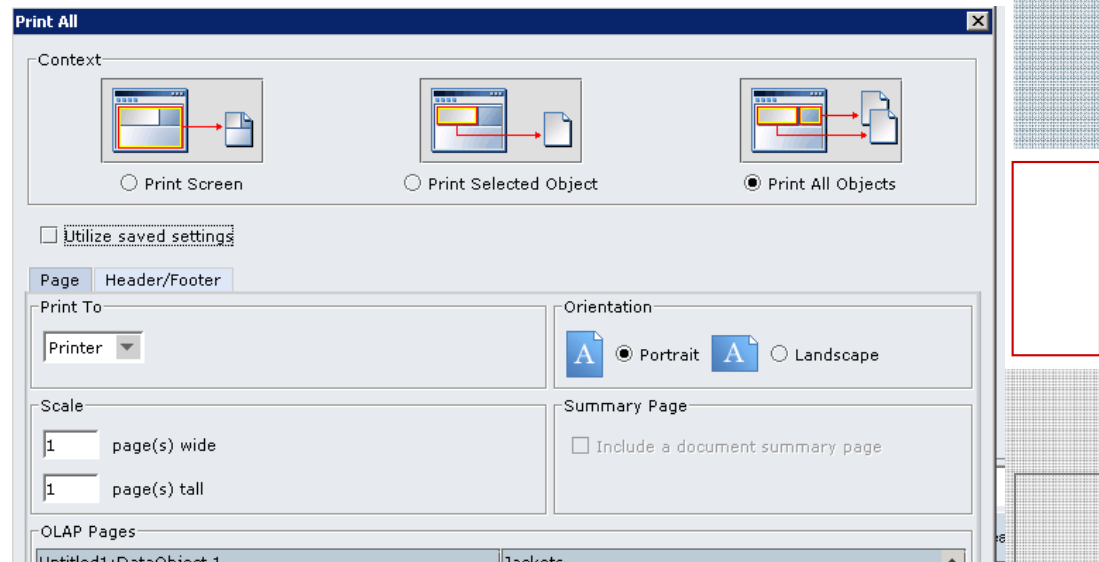
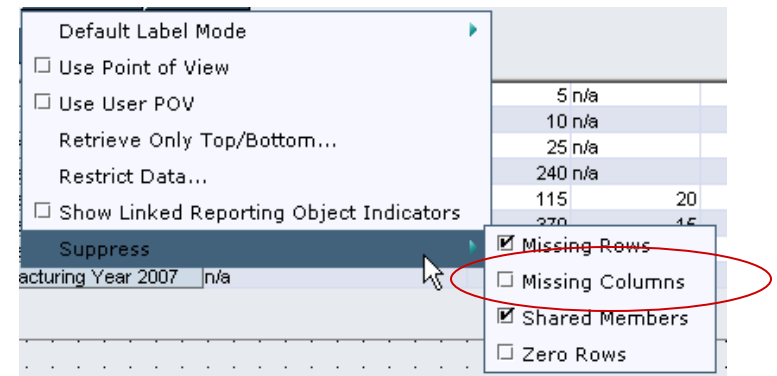
- Simplified member selection
- Apply to entire grid
- Allow changing precedence for
 - Database Connection
 - Measures formatting
 - User Preferences
 - Analysis Tools



> Other Web Analysis Highlights

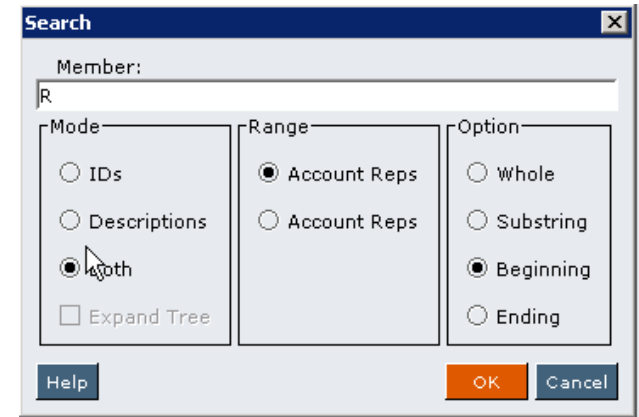
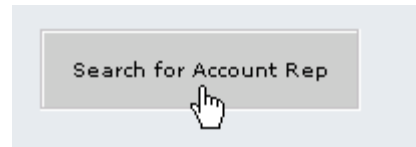
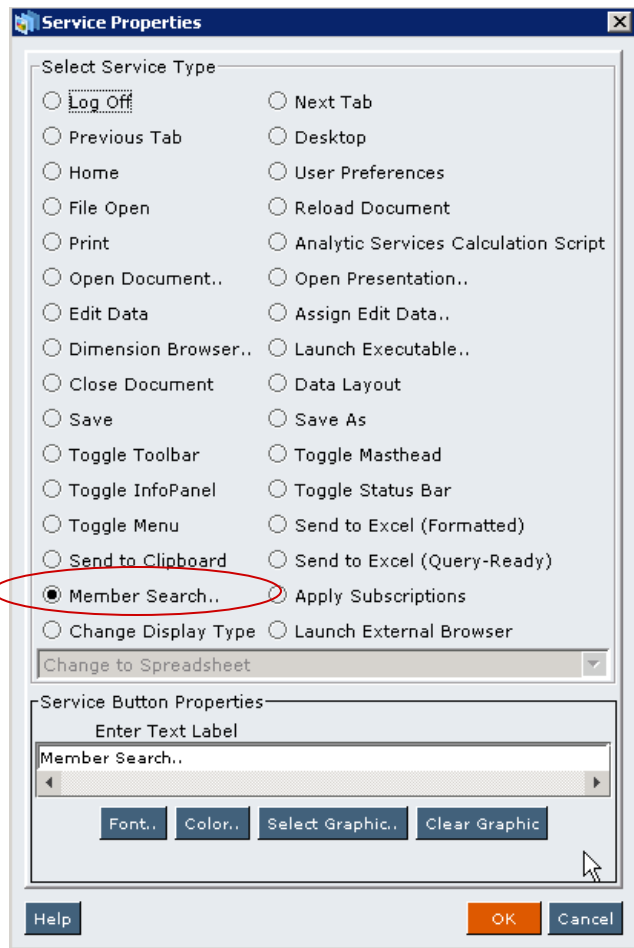


- Suppress missing columns
- Print all objects in a report



> Member search service button

SPSS



Ray Johnson					
Ray Johnson					
Ryan Bergman					
Rod McLind					
Rie Lin					
Manufacturing Year 2009	62,750	203,000	146,875	94,845	507,470

> Microsoft Office Integration



■ SmartView

- Export full fidelity reports to MS Office
- Direct access import from Excel, Word, PowerPoint and Outlook
- Live source connections
- New Report wizard

HyperionReport[1] - Microsoft Word

Eden Corporation
Segment Sales Analysis by Year
For month end ,

		Current Year	Prior Year	FY02
Sales by Product:				
Audio Systems	Sales	\$ 10,847,981.84	\$ 10,541,521.16	\$ 9,990,585.28
DVDs	Sales	\$ 11,670,497.90	\$ 10,874,411.30	\$ 10,041,908.54
Televisions	Sales	\$ 7,384,417.95	\$ 6,960,430.24	\$ 6,699,414.10
VCRs	Sales	\$ 4,687,695.09	\$ 5,248,904.16	\$ 5,052,070.25
Total Products	Sales	\$ 34,590,592.78	\$ 33,625,266.85	\$ 31,783,978.17
Units by Product:				
Audio Systems	Units	304,999	299,302	285,702
DVDs	Units	176,079	164,051	156,790
Televisions	Units	15,470	14,153	13,586
VCRs	Units	142,034	158,901	152,914
Total Products	Units	638,581	636,408	608,992

Microsoft PowerPoint - [PowerPoint with SmartView.ppt]

Hyperion Help

- Data Source Manager...
- Reporting and Analysis Document
- Refresh**
- Refresh All
- Link View
- Copy Data Points
- Paste Data Points(V)
- POV Manager...
- Help
- About(z)...

Live R ... Added Wit ... int

Marketing Sales Cost of Goods Sold Total Expense

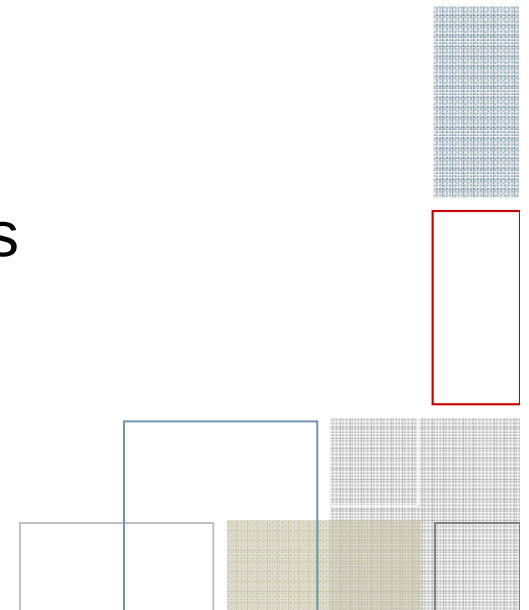
Payroll Inventory Profit Margin

Slide 2 of 2

> What's New: Summary

SPSS

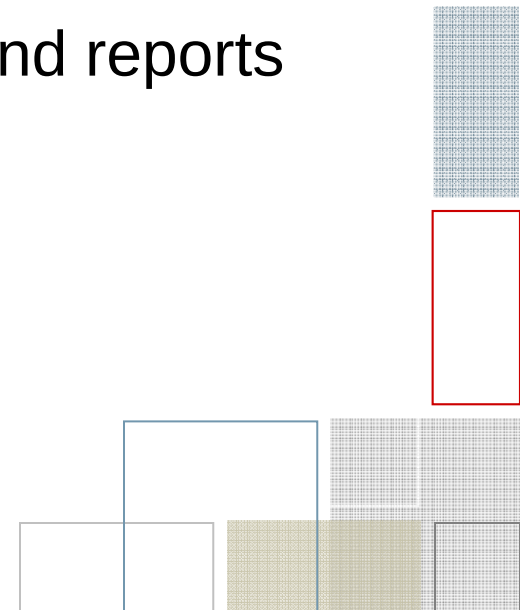
- **Essbase**
 - Time intelligence
 - Date-Time Dimension Wizard
 - Text-Date Measures
 - Varying Attributes
 - Administration
 - Duplicate Members
 - ASO enhancements
 - Backup / Restore, Transaction Logging
- **Web Analysis**
 - Workspace / HTML client
 - Formatting and Calculation enhancements
- **SmartView**
 - Microsoft Office integration



> Upgrade Planning

SPSS

- General Availability
 - English - June 8, 2009
 - German, French, Japanese – 3Q 2009
- Web Analysis – Requires Windows server
- No install over the top
 - Install new environment
 - Migrate users, applications, databases and reports
- Upgrade path
 - Essbase 7.1x → 11.1.1
 - Analyzer 7.2 → 11.1.1



> More Information

<http://www.spss.com/software/deployment/showcase/>

SPSS

> De > ShowCase Suite

Manage your entire business more efficiently and profitably
end-to-end business
platform.

> ShowCase Reporting Solution



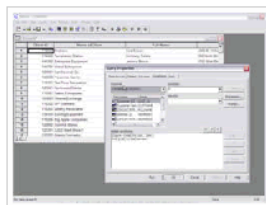
Provide decision makers with efficient tools to access data, create reports, and automate and streamline the process of creating and maintaining relational and multidimensional databases.

Contact Us

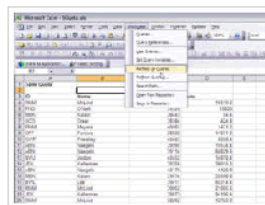
ShowCase Query

Easily access information throughout your organization without relying on IT. With ShowCase Query, users can build SQL statements easily and manage queries efficiently, as well as:

- Support responsive, informed decision-making
- View data in ways that help them understand conditions more clearly
- Streamline the building and execution of SQL statements
- Integrate results directly into spreadsheets using a powerful Excel™ add-in
- Run both scheduled and ad hoc queries



Easily build Queries to include the data you need



Integrate data into Excel and easily refresh with the ShowCase Excel Add-in

ShowCase Report Writer

With ShowCase Report Writer, everyone can create and deploy customized reports using results obtained with ShowCase Query:



> ShowCase OLAP Solution



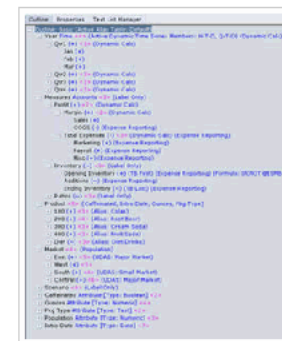
The ShowCase Suite's best-of-breed OLAP component provides real-time analytics delivered through easy-to-use front ends that make multi-dimensional analysis available to more users within your organization.

Contact Us

Essbase for IBM i

With Essbase® for IBM i, you can efficiently use existing data to improve any aspect of your operations—for example, your understanding of customer profitability, product profitability, product quality, and more.

- Use standard business terms to search for information, and then explore it with familiar front-end tools
- Include details such as dates, text, and duplicate names for more meaningful analysis
- Use customized calendars and time balancing to analyze date-sensitive information
- Combine data from multiple sources in a single, summarized view
- Customize how data is stored to optimize retrieval times and maximize storage space
- Streamline administration with one-step backup and recovery
- Decrease load times and build smaller databases for improved productivity and faster refreshing of data



Build your OLAP database to match your unique business needs

> Updated Collateral

SPSS

[Overview](#) [Features](#) [Downloads](#) [System Requirements](#) [Learn More](#)



[Download](#)

ShowCase Suite Overview

An overview of how the ShowCase Suite delivers analytic capabilities—also known as business intelligence—across the enterprise. You gain additional benefits by combining ShowCase solutions with SPSS Inc. predictive analytics solutions.



[Download](#)

ShowCase Suite Reporting Solution

Learn more about how the Query, Report Writer, Warehouse Manager, and Warehouse Builder components of the ShowCase Suite from SPSS Inc. provide your organization with an enterprise-class operational reporting platform for managing and delivering business intelligence enterprise wide.



[Download](#)

What's New in ShowCase Suite 8.0

Highlights of the new features and enhancements available with ShowCase Suite.



[Download](#)

Essbase for IBM i and Web Analysis for IBM i

This brochure covers the features and capabilities of Essbase for IBM i, the leading online analytical processing (OLAP) solution for the IBM i™ platform. It also describes how Web Analysis for IBM i enables users to view and interact with both Essbase and relational data.



[Download](#)

What's New in Essbase® and Web Analysis for IBM i 11

The ShowCase Suite includes Essbase for IBM i and Web Analysis for IBM i, best-of-breed online analytical processing (OLAP) components for the IBM i platform, enabling you to gain deeper insight into all of your organization's operations.

> To Order Upgrade

SPSS

- Contact your local sales office

> ShowCase OLAP Solution



The ShowCase Suite's best-of-breed OLAP component provides real-time analytics delivered through easy-to-use front ends that make multi-dimensional analysis available to more users within your organization.

Contact Us

Essbase for IBM i

With Essbase® for IBM i, you can efficiently use existing data to improve any aspect of your operations—for example, your understanding of customer profitability, product profitability, product quality, and more.

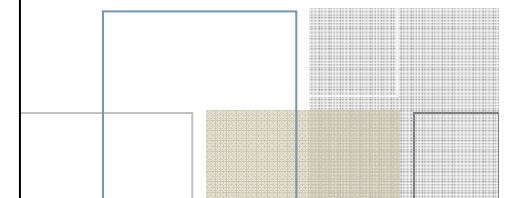
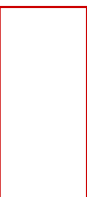
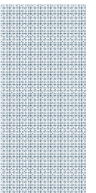
- ♦ Use standard business terms to search for information, and then explore it with familiar front-end tools
- ♦ Include details such as dates, text, and duplicate names for more meaningful analysis
- ♦ Use customized calendars and time balancing to analyze date-sensitive information
- ♦ Combine data from multiple sources in a single, summarized view
- ♦ Customize how data is stored to optimize retrieval times and maximize storage space
- ♦ Streamline administration with one-step backup and recovery
- ♦ Decrease load times and build smaller databases for improved productivity and faster refreshing of data



Build your OLAP database to match your unique business needs.

Web Analysis for IBM i

Web Analysis for IBM i makes it easy for your organization's business users to view and interact with information contained in your Essbase applications through a Web browser.



> Package Contents

SPSS

- Packaged with ShowCase 8.0 kit
- 2 DVDs – Essbase and Web Analysis



> Recap

SPSS

- Major new release of Essbase and Analyzer
 - Time intelligence
 - ASO and admin enhancements
 - Web Analysis Workspace / HTML client
 - Office integration
- General Availability
 - English - June 8, 2009
 - German, French, Japanese – 3Q 2009
- Upgrade path
 - Essbase 7.1x → 11.1.1
 - Analyzer 7.2 → 11.1.1
 - Customer must sign new schedule

