

BIEE 11G 培训

主题：仪表盘与分析

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www.hand-china.com





仪表盘与分析

- 交互性与用户界面
 - Master-Detail 视图
 - 新的提示控件
 - 透视表的交互性
 - 便捷的仪表盘创建
 - 滑动的图例
 - 多饼图
 - Spatial、地图
 - 记分卡
- 新功能
 - 仪表板模板
 - 发布仪表板
 - PDF格式的简报
 - 新的仪表板对象(KPI、记分卡)
 - BI Composer
- 自定义
 - 11g的皮肤风格



ORACLE Business Intelligence

Search: All [v] [x] Advanced Administration Help v Logout

Home Dashboards v New v Open v Logged In As: Administrator v

Create...

- Analysis and Interactive Reporting**
Analysis | Dashboard | More v
- Published Reporting**
Report | Report Set | Data Model
- Proactive Intelligence**
Bot
- Actionable Intelligence**
Invoke Java Method | Invoke Web Service | More v
- Performance Management**
Scorecard | KPI
- Marketing**
Segment | Segment Tree | List Format

Browse/Manage Content...

- My Folders
- Shared Folders
- My Analyses
- My Reports
- My Scorecards
- My IBO Subscriptions
- My IBOs

Browse/Manage Folders... | Search
Manage Marketing Jobs
Manage Disconnected Analytics

Get Started...

- Oracle BIEE Documentation
- Help Table of Contents
- Oracle Technology Network
- Download BI Desktop Tools v

Recent Dashboards

- My Dashboard - Page 1**
Open | Edit | More v
- Sales Analysis - page 1**
Open | Edit | More v
- Point Dashboard - Regional Analy**
Open | Edit | More v

Recent Updates

- My Dashboard - Page 1**
Open | Edit | More v
- Region Prompt**
Edit | More v
- Region Condition**
Edit | More v
- Region is Central or Eastern**
Edit | More v
- Yahoo URL**
Edit | Execute | More v
- Geo Time Dollars**
Edit | More v

Most Popular

- My Dashboard - Page 1**
Open | Edit | More v
- Sales Analysis - page 1**
Open | Edit | More v
- Point Dashboard - Regional Analy**
Open | Edit | More v

OBIEE 11g Catalog & Personalized Start Page

Master-Detail 视图

- 可以广播事件的视图
 - 透视表
 - 表
 - 图
 - 地图
 - 查看可订阅
- 可以响应事件的视图
 - 透视表
 - 表
 - 图
- 任意多个视图可以响应同一个广播事件

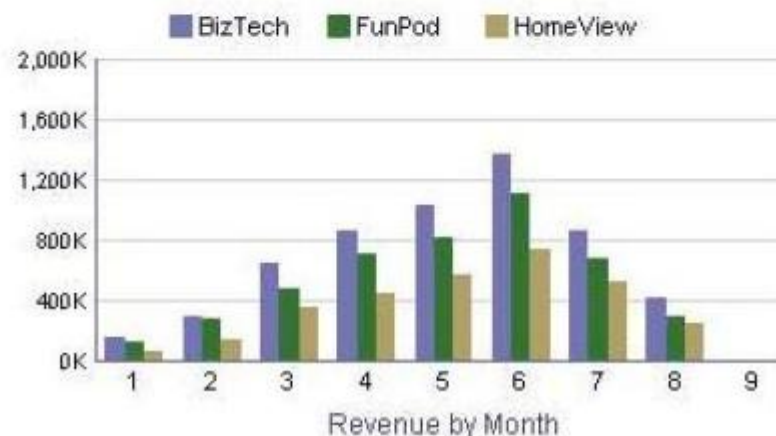


Product Line Analysis

Time run: 8/31/2010 6:22:36 PM

	2008	2009	2010	Grand Total
Total Products	14,435,235	13,206,754	16,284,807	43,926,795
BizTech	6,108,269	5,627,909	6,800,568	18,536,747
FunPod	5,013,607	4,472,045	5,768,244	15,253,896
Digital	2,285,826	1,929,272	2,526,648	6,741,746
Games	2,727,781	2,542,772	3,241,596	8,512,149
HomeView	3,313,358	3,106,800	3,715,994	10,136,153

Edit - Refresh





新的提示效果

- 新的提示控制
 - 滑块提示
 - 检查框提示
 - 单选按钮提示
 - 列表提示
- 层次提示
- 货币提示

*** Year**

☒ 2008

☒ 2009

☒ 2010

☒ 2011

Company

*** For Weeks :**

Between

53

27

Products

T05 Per Name Year is equal to 2008, 2009, 2010, 2011

新的提示功能

年度：

- ☒ 2008
☒ 2009
☒ 2010
☒ 2011

复选框，可以选择多个成员同时分析

公司：

单选下拉框，仅能选择一个成员

产品：

单选搜索框，仅能搜索选择一个成员

- ☒ 公司A
☐ 公司B
☐ 公司C
☐ 公司D

置于仪表盘左侧的选择区域

单项选择器，仅能选择一个成员

收入值范围：



通过标尺设置数据条件，进行筛选

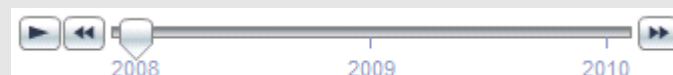
Organization

- Franchises Org.
- Inbound Org.
- International Org.
- Production Org.
- Subcontracted Org.
- Subsidiaries Org.

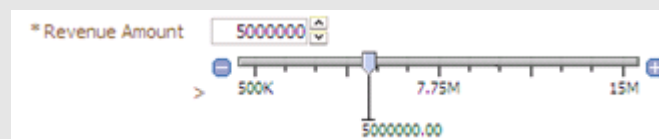
应用 重置

多项选择器，按住Ctrl键同时选择多个成员

单选下拉框，仅能选择一个成员



滑动模块，动画效果显示控件，可用于任何维度，如公司，科目等



标尺加数字结合显示

Enter the N Value for the Top N:

应用 重置

手工输入选择条件，进行筛选

Product

- ☐ V5x Flip Phone
- ☐ V5x Flip Phone
- ☐ CompCell RX3
- ☐ CompCell RX3
- ☐ Touch-Screen T5
- ☐ Touch-Screen T5
- ☐ KeyMax S-Phone
- ☐ KeyMax S-Phone

应用 重置

多选框，同时选择多个

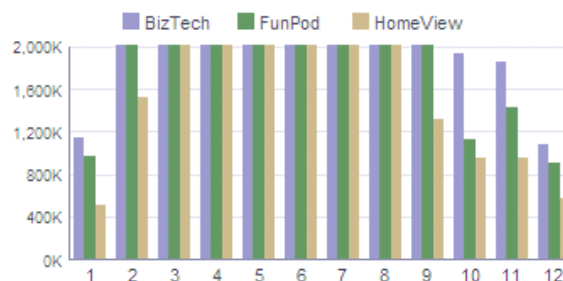
置于仪表盘上方的选择区域

新的图形列表（一）

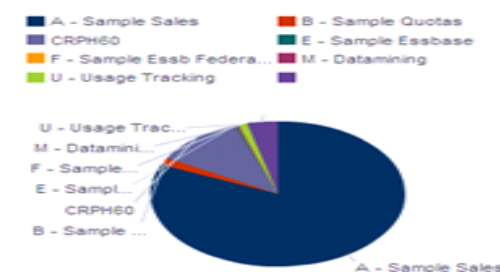


	2008	2009	2010	合计
Total Products	66,000,000	60,000,000	74,000,000	200,000,000
BizTech	55,925,926	50,416,700	61,657,374	168,000,000
FunPod	45,785,499	41,282,719	52,931,782	140,000,000
Digital	20,694,214	17,818,469	23,368,153	61,880,837
Games	25,091,285	23,464,249	29,563,629	78,119,163
HomeView	30,288,575	28,300,581	33,410,844	92,000,000

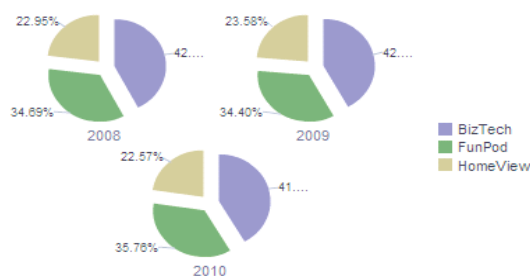
表格：多位透视表



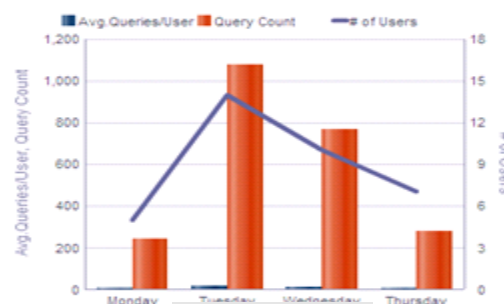
柱形分析图



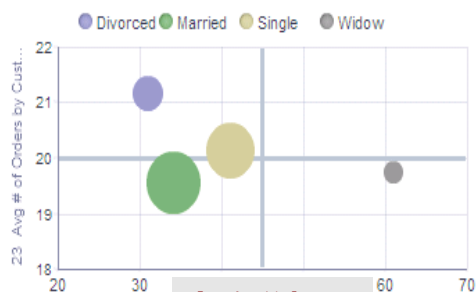
饼状分析图



多饼分析图



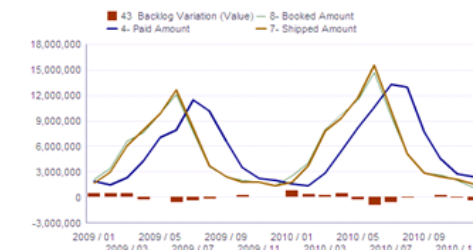
柱线分析图



气泡分析图



柱形堆积图



折线分析图

Robert Sandstrum ranks #14 with 4026.21 k bookings value over 46 orders

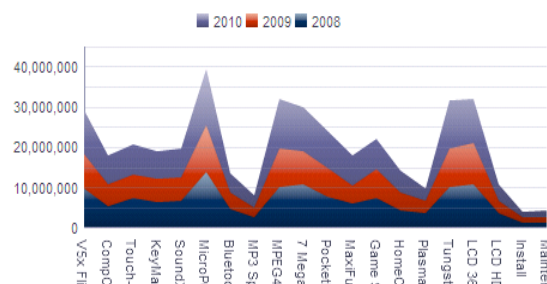
Adrian Heskett ranks #15 with 4007.43 k bookings value over 49 orders

Matthew Lengel ranks #16 with 4004.97 k bookings value over 49 orders

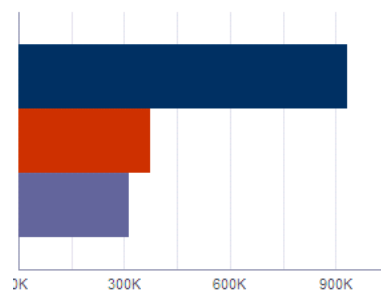
Anton Hubbard ranks #17 with 3991.26 k bookings value over 49 orders

滚动字幕显示

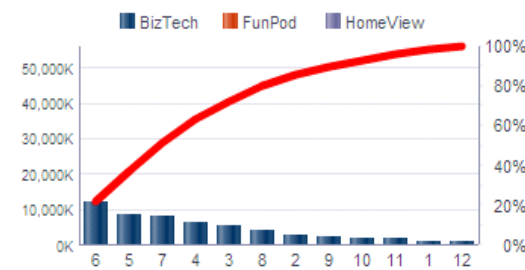
新的图形列表（二）



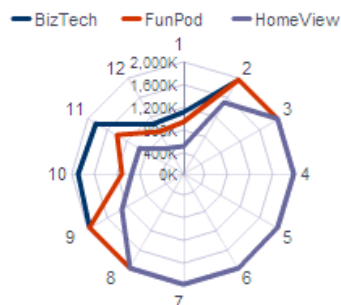
面积堆积图



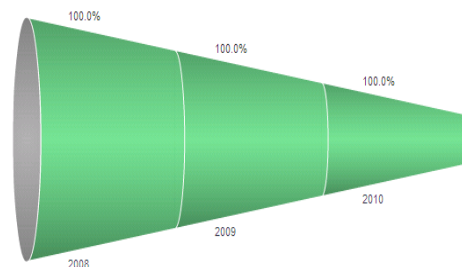
横向柱形图



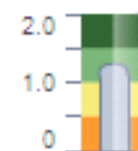
帕累托图 (80/20)



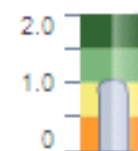
雷达图



漏斗图



BizTech



FunPod

计量表 (竖向)

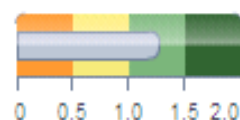


BizTech

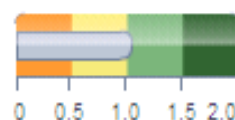


FunPod

计量表 (刻度表)



BizTech



FunPod

计量表 (横向)



FunPod



HomeView

计量表 (灯泡)

透视表交互



Product Line Analysis

Time run: 8/31/2010 6:22:36 PM

Pivot Table Prompts

Products Hierarchy		2009	2010	Grand Total
[-] Total Products	14,435,235	13,206,754	16,284,807	43,926,795
[-] BizTech	6,108,269	5,627,909	6,800,568	18,536,747
[+] Communication	3,076,494	2,968,104	3,610,013	9,654,611
[+] Electronics	3,031,776	2,659,805	3,190,555	8,882,136
[-] FunPod	5,013,607	4,472,045	5,768,244	15,253,896
[+] Digital	2,285,826	1,929,272	2,526,648	6,741,746
[+] Games	2,727,781	2,542,772	3,241,596	8,512,149
[+] HomeView	3,313,358	3,106,800	3,715,994	10,136,153

[Edit](#) - [Refresh](#)



Product Line Analysis

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[-] Total Products	14,435,235	13,206,754	16,284,807	43,926,795
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[+] HomeView	3,313,358	3,106,800	3,715,994	10,136,153

- Drill
- Collapse all items in view
- Send master-detail event
- Exclude column
- Move >

[Edit](#) - [Refresh](#)

仪表盘构建器

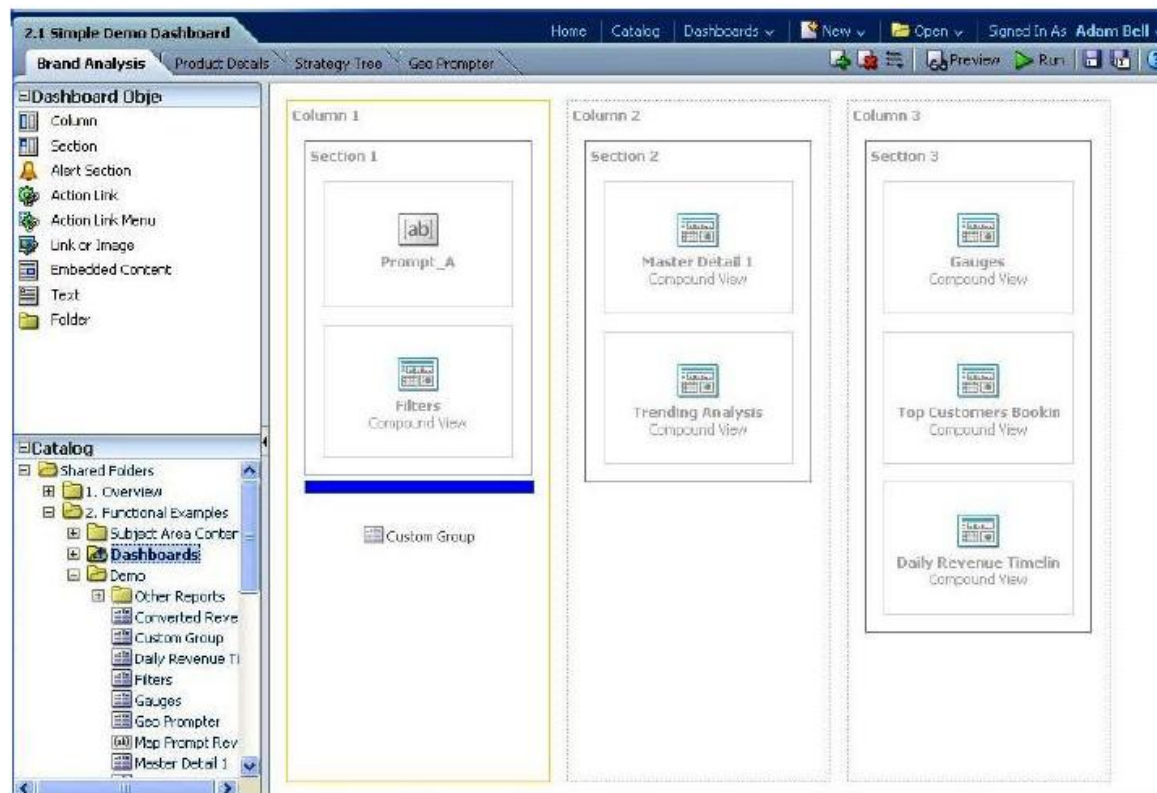
■ 简单而直观的仪表板创建方法

- 直接操纵
- 仪表板预览

■ 能够继承仪表板/页的报告链接

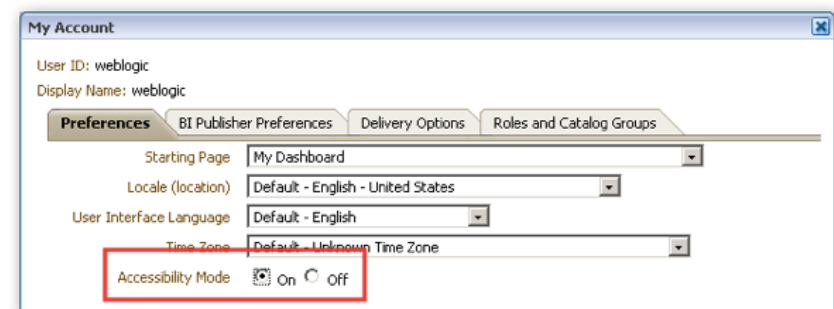
■ 发布页面到仪表盘

■ 提示范围定义



BI Composer – 快速创建分析

- BI Composer是一个简单易用的向导，允许您快速，轻松地创建，编辑或查看分析
- 需要手动安装BI composer 控件(之后的版本会默认安装)
 - 扩展Weblgc Server Domain,安装BI Composer Shared Libraries
 - 创建 BI Composer MDS数据源
 - 安装部署 BI Composer 应用程序
 - 修改表现层服务连接
 - 修改instance.xml ,启用 BI Compser
 - 打开简易访问模式

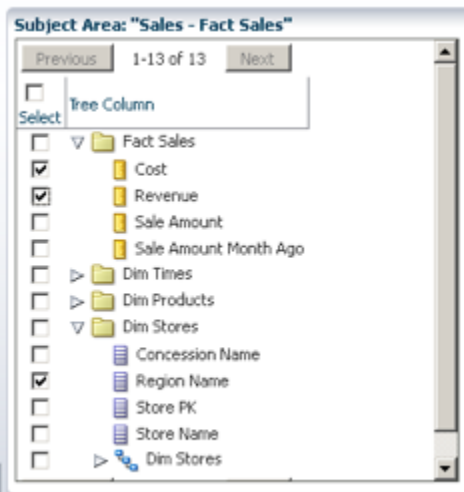


```

</Marketing>
- <Authentication>
  <!-- This Configuration setting is managed by Oracle Business Intelligence Enterprise Manager -->
  <EnabledSchemas>UidPwd,Impersonate,UidPwd-soap,Impersonate-soap</EnabledSchemas>
</Authentication>
- <BIComposer>
  <Enabled>true</Enabled>
</BIComposer>
</ServerInstance>
</WebConfig>
  
```

BI Composer – 快速创建分析

■ 创建并预览



Selected Columns

Quarter
Products
Region Name
Revenue
Sale Amount

Add
Add
Remove
Remove
Remove All
Remove All

Move selected item to top of list
Move selected item up one in the list
Move selected item down one in the list
Move selected item to bottom of the list

Visited Step: Select Columns **Current Step: Select Views** Unvisited Step: Edit Table Disabled Step: Edit Graph Unvisited Step: Sort and Filter Unvisited Step: Highlight

Create Analysis : Select Views

Select views to include in the report.

Back Next

Title: First BI Composer Analysis

Table: Pivot (recommended) Menu

Graph: None Menu

Layout: Table above Graph Menu

☒ Preview Report XML

First BI Composer Analysis

Pivot Table

			Revenue	Sale Amount
Quarter	Products	Region Name		
Q3-2010	All Products	Central SF	72	20
Q3-2010	All Products	North CA	28	18
Q3-2010	All Products	North SF	100	26
Q3-2010	All Products	Other USA	13	3
Q3-2010	All Products	South CA	32	12
Q3-2010	All Products	West SF	37	9
Q4-2010	All Products	Central SF	152	61
Q4-2010	All Products	North CA	84	12
Q4-2010	All Products	North SF	329	98
Q4-2010	All Products	Other USA	37	15
Q4-2010	All Products	South CA	99	54
Q4-2010	All Products	West SF	41	22

Visited Step: Select Columns **Current Step: Select Views** Disabled Step: Edit Table Disabled Step: Edit Graph

Create Analysis : Select Views

Select views to include in the report.

Title: First BI Composer Analysis

Table: None Menu

Graph: None Menu

Layout: Table above Graph Menu

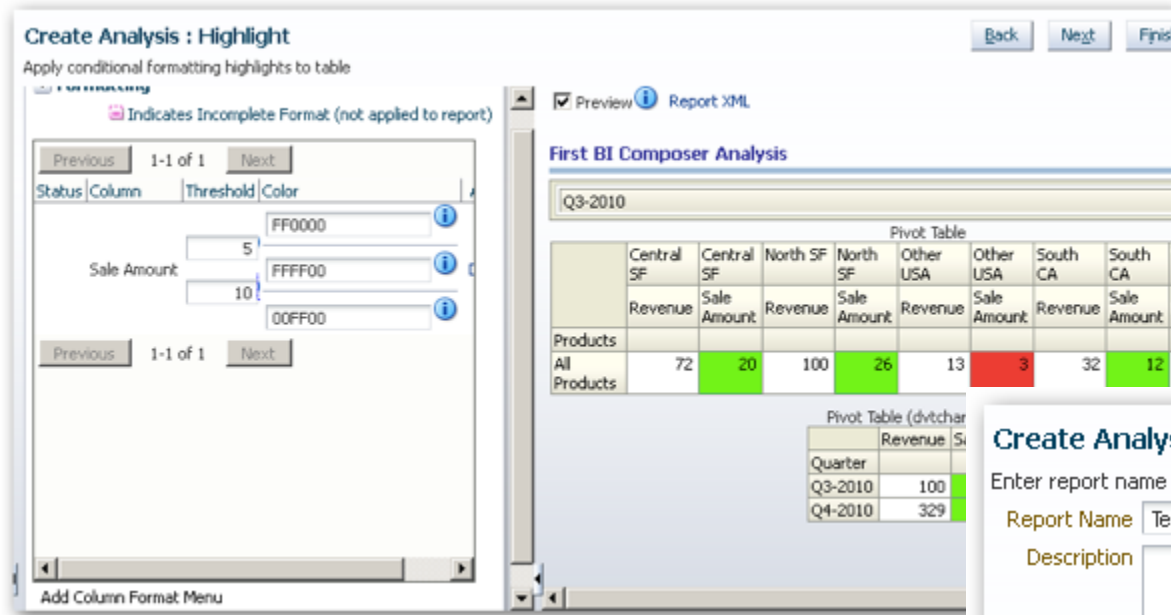
☒ Preview Report XML

First BI Composer Analysis

BI Composer – 快速创建分析



□ 设置条件格式



□ 保存到文件夹

Create Analysis : Save

Enter report name and location to save it.

Report Name Test BI Composer Analysis

Description

Save In

Previous 1-9 of 9 Next







Select Tree Column

- ☒ My Folders
 - ☐ Subject Area Contents
 - ☐ _temp
 - ☐ Drafts
 - ☐ Drills
 - ☐ Masterclass
 - ☐ Oracle OLAP Single Attribute Field Query
 - ☐ Oracle OLAP Test Query
 - ☐ Shared Folders

Previous 1-9 of 9 Next

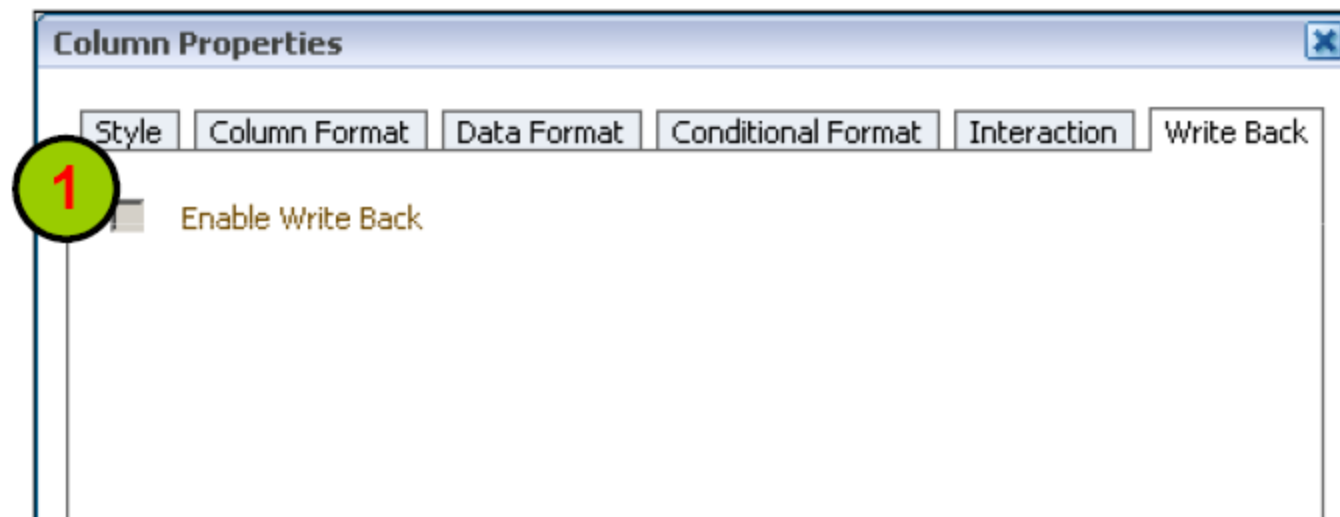
新特性

- 仪表板模板
 - PDF
 - MHTML
- 新的仪表板对象
 - 操作链接
 - 记分卡/ KPI

	Drafts Last Modified 8/19/2010 3:55:05 PM Created By abell Expand More ▾
	Drills Last Modified 8/21/2010 6:29:00 PM Created By abell Expand More ▾
	Junk Last Modified 8/18/2010 3:37:15 PM Created By abell Expand More ▾
	My Dashboard Last Modified 8/12/2010 4:48:43 PM Created By Expand Open Edit More ▾
	Subject Area Contents Last Modified 8/12/2010 4:48:43 PM C Expand More ▾
	BB-1 Last Modified 8/30/2010 7:40:34 AM Created By abell Edit PDF Web Archive (.mht) More ▾
	Customer Letter.xdo Last Modified 8/19/2010 4:21:00 PM Cre Open Edit More ▾
	Multi.xdm Last Modified 8/20/2010 12:13:29 PM Created By ab undefined Edit More ▾
	Office Sales Data Model.xdm Last Modified 8/19/2010 3:50:23 Edit More ▾



- 在列的属性上设置回写





层次

- 具有层次关系的成员
 - 多对一的关系
 - 按照父级汇总
 - level-based 或者 Value-based

Value-based hierarchy column	1- Revenue	Measure column
	Sales Rep Hierarchy	
	[-] Michele Lombardo	50,000,000
	[-] Helen Mayes	13,818,928
	[-] Angela Richards	4,559,148
	Aurelio Miranda	2,590,020
	Jack Benetti	29
	[+] Chris Jones	30
	[+] Monica Velasquez	93
	[+] Paul Atkinson	32
	[+] Sophie Bergman	13,201,947

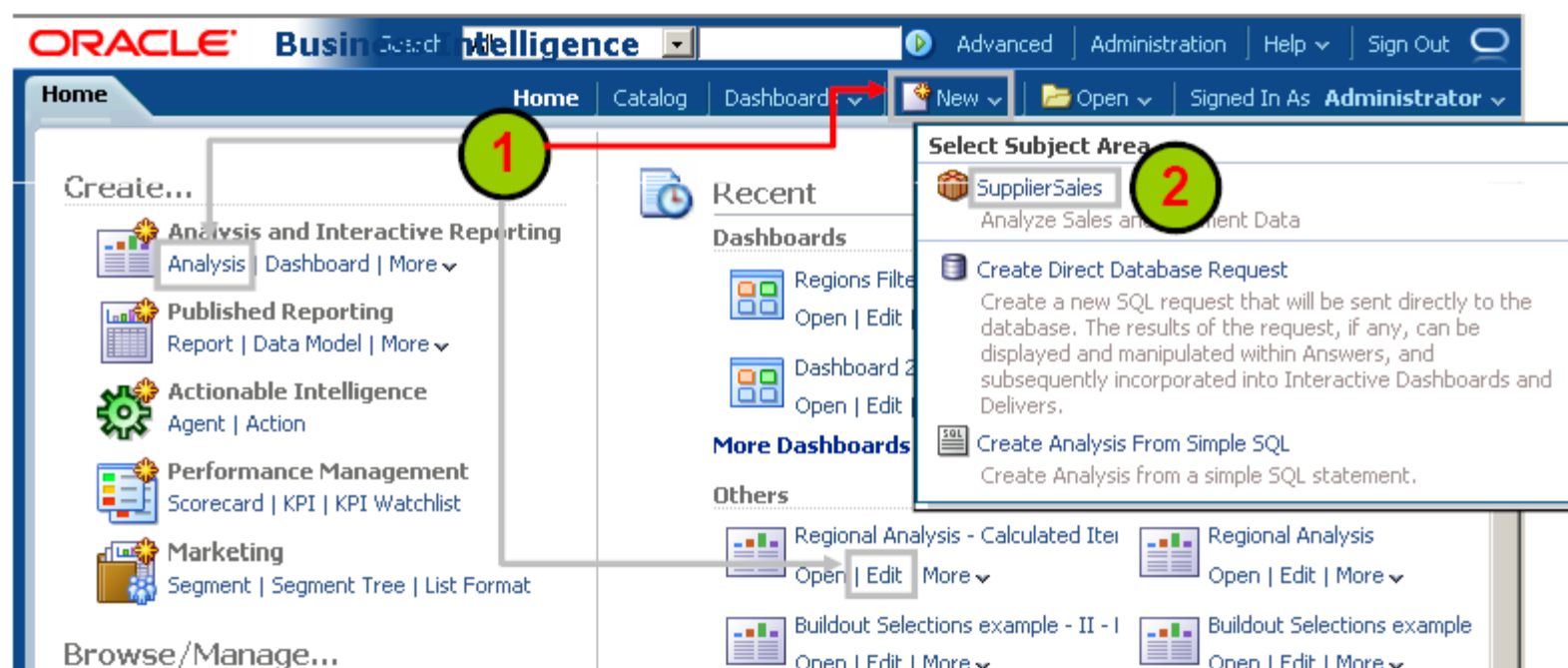
Collapse hierarchy

Expand hierarchy

Child members indent below their parent.

创建和编辑分析

- 有多种方法可以创建和修改分析
 - 主页
 - 新建



如何构建一个分析



The screenshot shows the SAP Analytics Cloud interface with the following annotations:

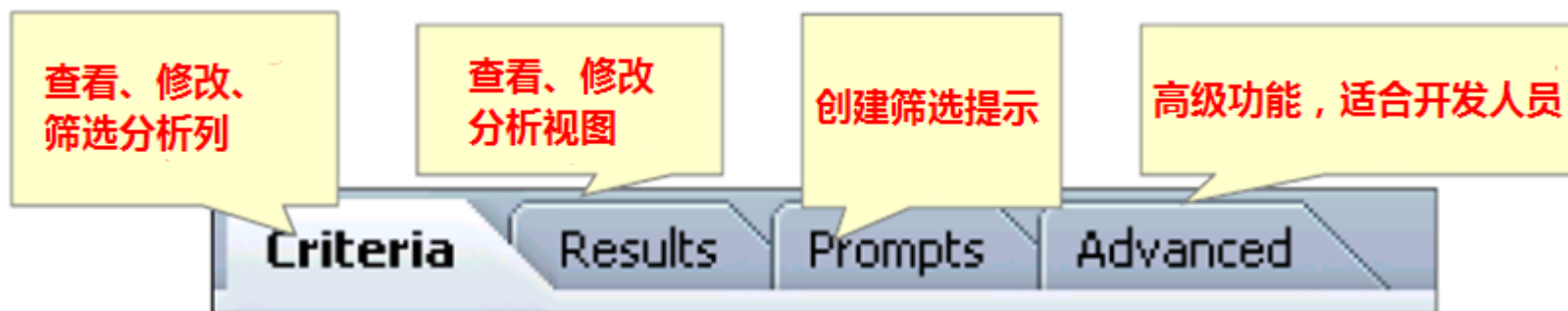
- 添加列按钮 (Add Column Button):** Points to the plus icon in the Subject Areas pane.
- 删除已选择的列 (Delete Selected Column):** Points to the minus icon in the Selected Columns pane.
- 属性列 (Attribute Column):** Points to the 'Customer' folder in the Subject Areas pane.
- 层次列 (Hierarchical Column):** Points to the 'Customer - Region' column in the Selected Columns pane.
- 度量值 (Measure):** Points to the 'Dollars' measure in the Fact-Sales cube.
- 更多选项 (More Options):** Points to the dropdown arrow next to the 'State' column in the Selected Columns pane.
- 需要分析的数据列 (Data Column for Analysis):** Points to the 'City' column in the Selected Columns pane.

The interface includes a 'Criteria' tab, a 'Subject Areas' pane on the left, and a 'Selected Columns' pane on the right. The 'Subject Areas' pane shows a hierarchy of folders: SupplierSales, Customer (with sub-items like Region, Sales District, Sales Rep, Address, Phone, City, State, Zip Code, Route Code), Time, Product, and Fact-Sales (with sub-item Dollars). The 'Selected Columns' pane shows a list of columns: Customer - Region, State, City, Customer, and Dollars. The 'Fact-Sales' cube is also visible on the right.



编辑分析

- 屏幕上的信息和按钮来创建，访问和管理分析



编辑列公式

- 在您的分析中使用复杂的公式：
 - 运算符，函数，过滤器，变量

The screenshot shows the 'Edit Column Formula' dialog box with the following components and annotations:

- Formula Tab:** Contains fields for 'Table Heading' (Customer), 'Column Heading' (Favorite City), and 'Aggregation Rule (Totals Row)' (Default (None)).
- Subject Areas:** A tree view on the left showing 'SupplierSales' and its sub-items: 'Customer', 'Time', 'Product', 'Employee', and 'Sales'. An annotation '从主题区域选择列' (Select column from subject area) points to this tree.
- Formula Field:** Contains the text '@{FavoriteCity}-{Los Angeles}'. An annotation '创建列筛选器' (Create column filter) points to this field.
- Insert Function Dialog:** A smaller dialog box on the right showing a list of function categories: 'Aggregate', 'Running Aggregate', 'String', 'Math', 'Calendar/Date', 'Conversion', 'System', 'Expressions', 'DB Functions', and 'Time Series Calculations'. An annotation '选择函数到列公式编辑器' (Select function to column formula editor) points to this dialog.
- Operators:** A row of buttons at the bottom: '{...}', 'Filter...', 'Column >', 'Variable', '+', '-', 'x'. An annotation '运算符' (Operators) points to these buttons.
- Variable Annotation:** An annotation '使用变量' (Use variable) points to the 'Variable' button.



设置交互属性

- 指定列头和值的默认交互作用

The image shows two instances of the 'Column Properties' dialog box, illustrating different interaction settings for column headers and values.

Top Dialog Box:

- Column Heading:** Primary Interaction is set to 'Default (Ctrl)'.
- Value:** Primary Interaction is set to 'Default (Ctrl)'.
- A yellow callout box points to the 'Default (Ctrl)' dropdown for the Column Heading, containing the text: **设置默认导航规则** (Set default navigation rules).

Bottom Dialog Box:

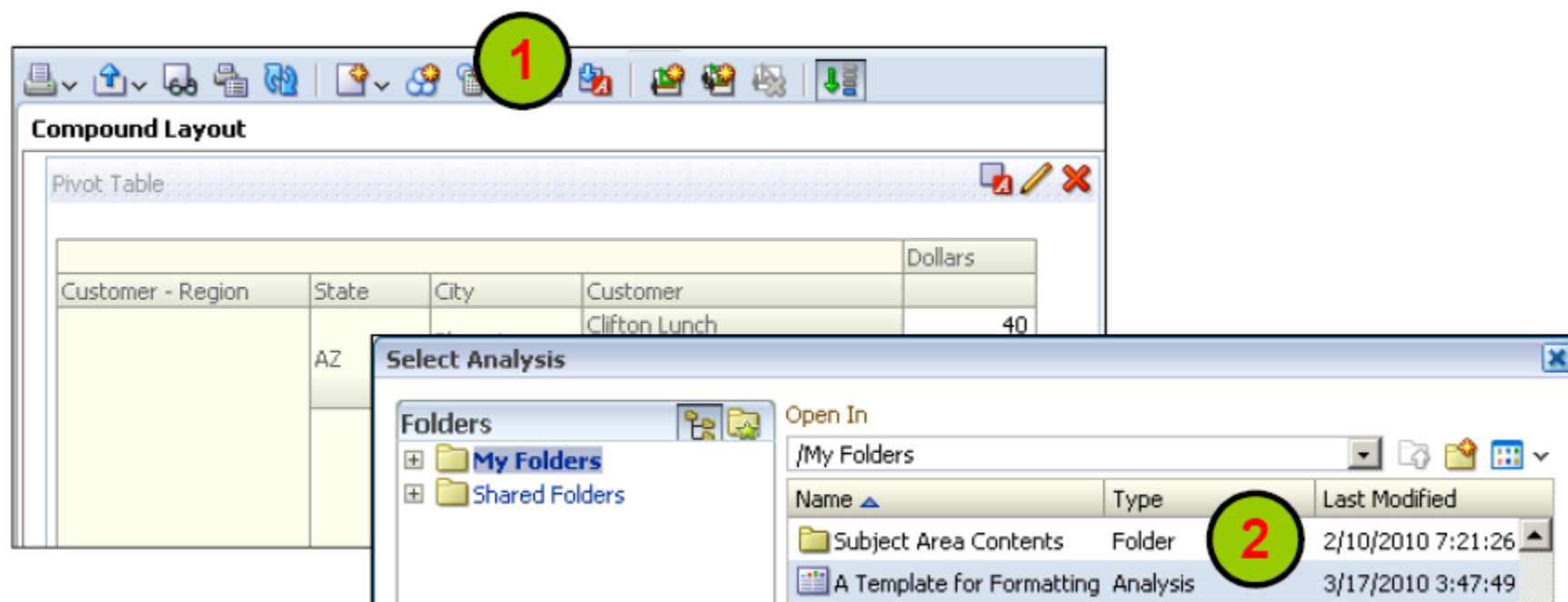
- Column Heading:** Primary Interaction is set to 'Action Links'.
- Action Links:** A table is displayed with the following data:

Link Text	Action	Enable
Regional Analysis	Regional Analysis	Always Enabled

- A yellow callout box points to the 'Action Links' dropdown for the Column Heading, containing the text: **使用Action导航到其他分析** (Use Action to navigate to other analysis).
- A yellow callout box points to the 'Defaults' button at the bottom left of the dialog, containing the text: **恢复默认设置** (Restore default settings).

使用分析模板

- 使用已保存的自定义分析作为样式模板
- 应用模板到新的或者已经存在的分析
 - 支持表、透视表、图表





自定义时间与日期格式

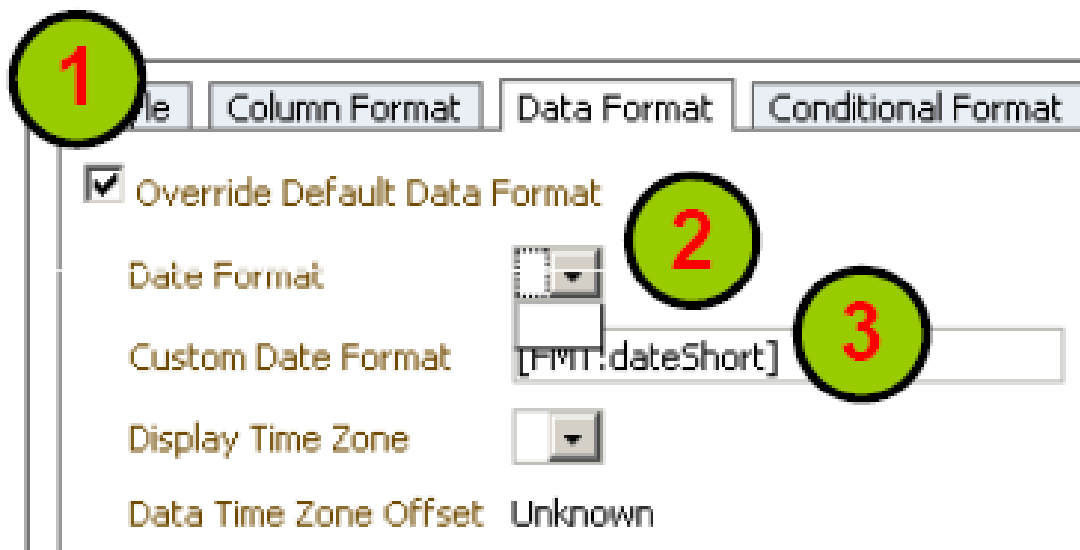
- 提供时间列的格式自定义(time stamps, dates, times)
- 自定义时间格式

格式	结果	示例
[FMT:dateShort]	本地短日期格式	2/3/2008
[FMT:dateLong]	本地长日期格式	Monday, February 3, 2008
[FMT:time]	本地时间格式	12:00:00 AM
[FMT:timeHourMin]	本地时间格式(无秒)	12:00 AM



应用自定义时间格式

- 示例：使用一个定制的时间格式字符串日期列





Question Time!

Q & A

Questions & Answers

Thank You !



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