



MINI WORKSHOP: INTRODUCTION TO OBIEE

SESSION 6017
10 November 2015

PRESENTER

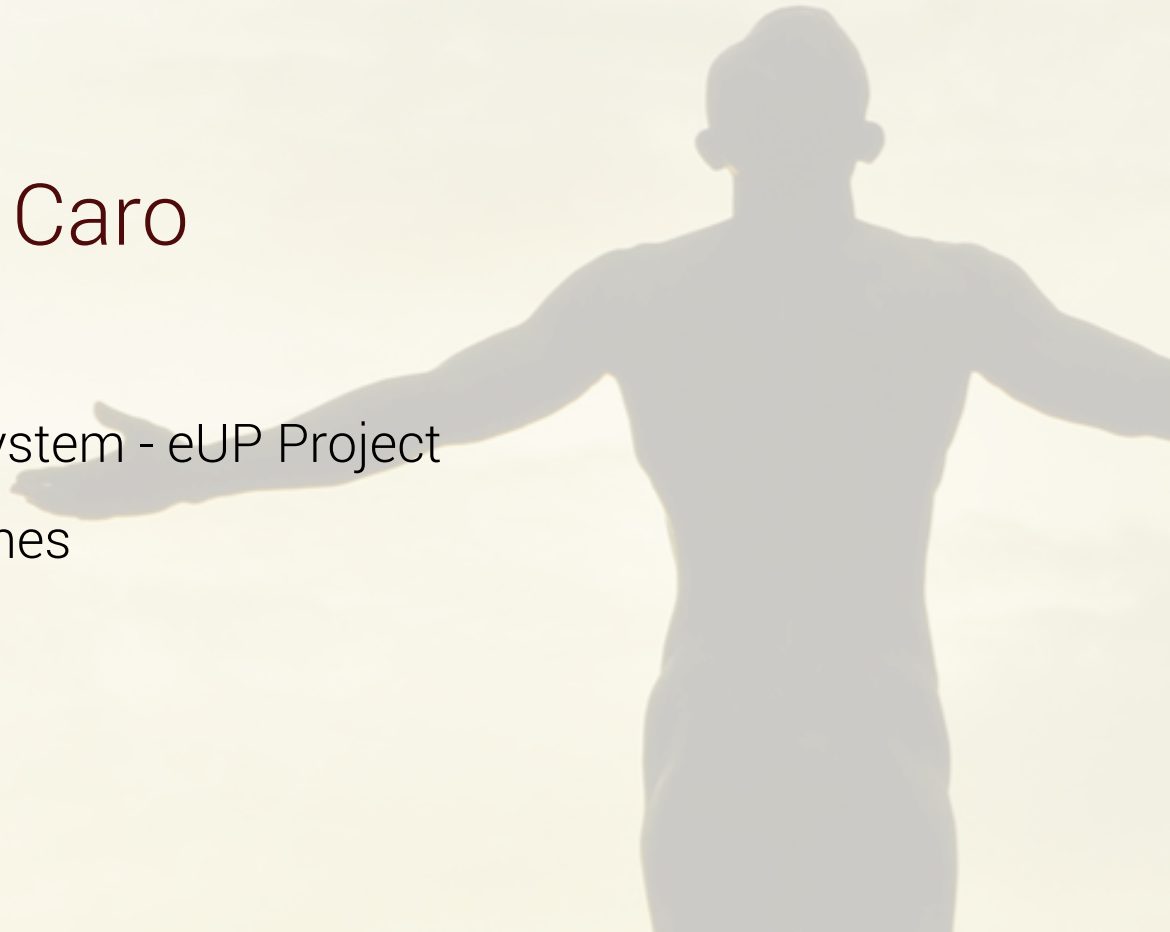
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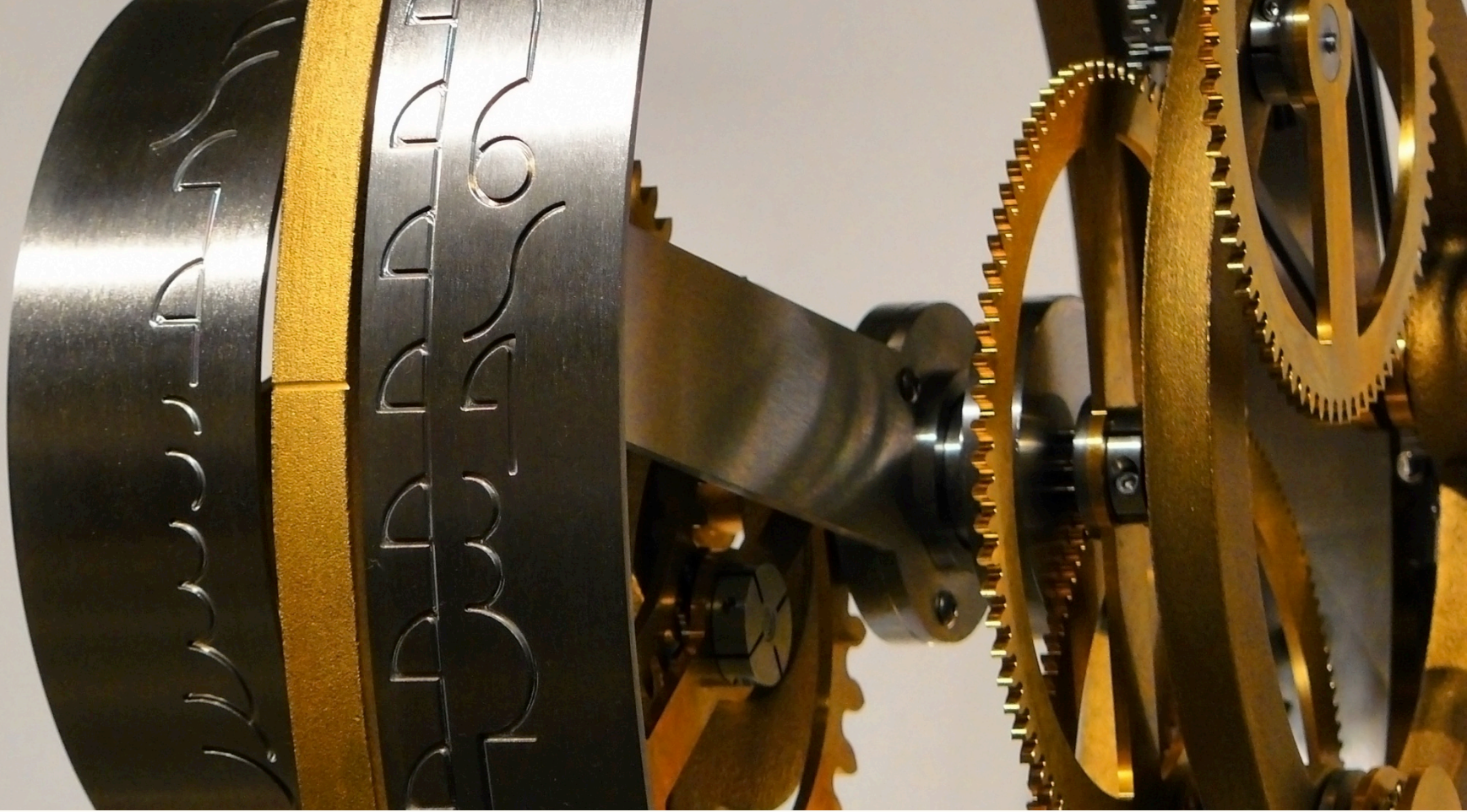


OUTLINE



Basic setup and features of Oracle Business Intelligence Enterprise Edition (OBIEE)

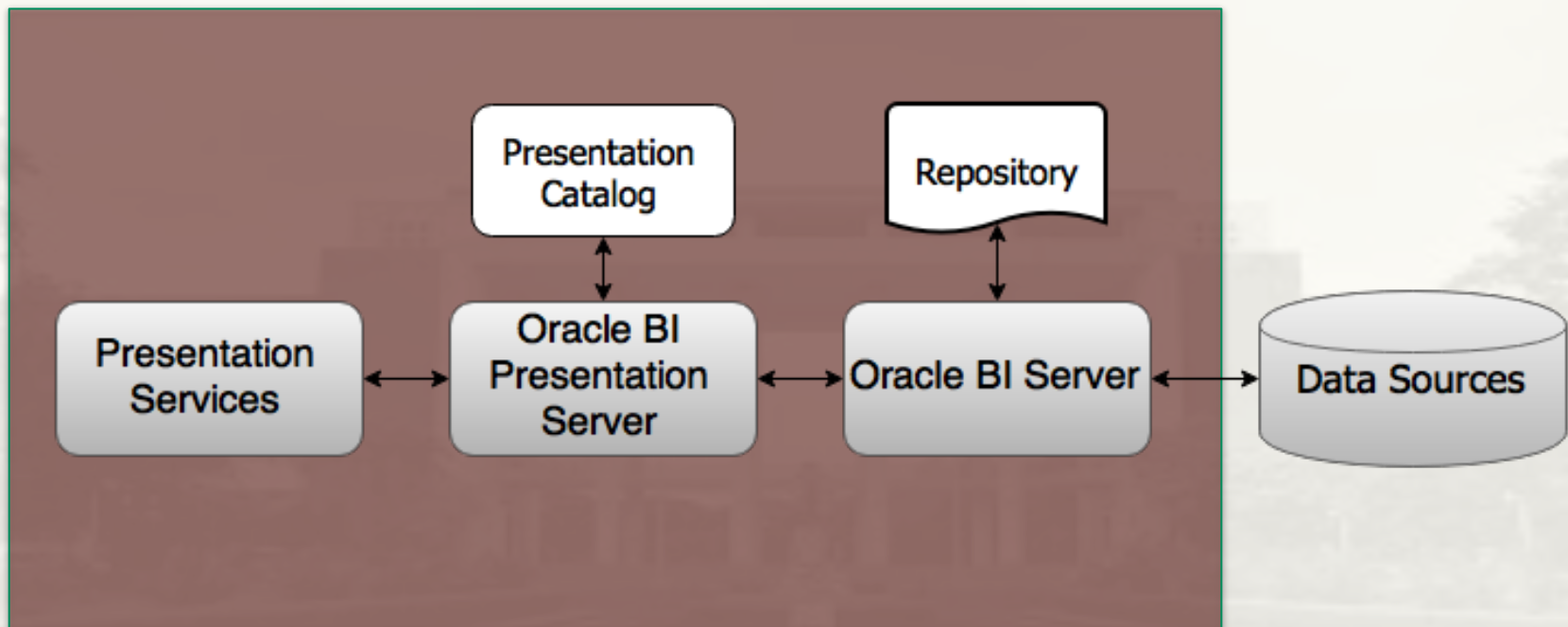
1. OBIEE Architecture Overview
BI Architecture, Source and Repository Schema, OBIEE Setup
2. OBIEE Analysis Editor
Analysis Criteria, Properties, Filters and Inline Prompts
3. Working with Pivot Tables, Graphs and Other Views
Pivot Table View, Other Views, Graph Editor
4. Dashboards and Advance Features of OBIEE
Dashboards, Tools Toolbar, Dashboard Prompts and other features



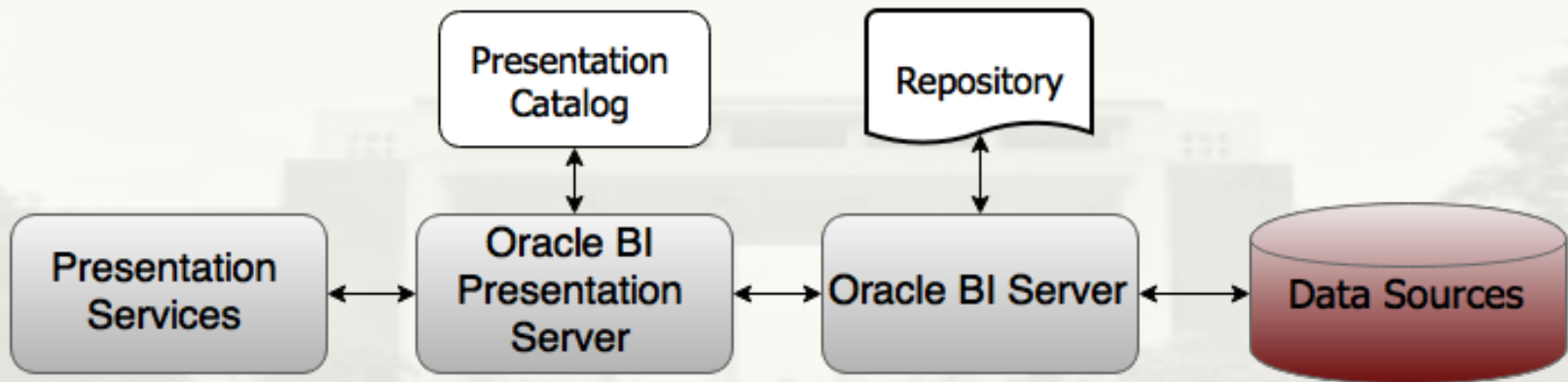
OBIEE ARCHITECTURE OVERVIEW

BI Architecture
Source and
Repository Schema
OBIEE Setup

ORACLE BI COMPONENTS

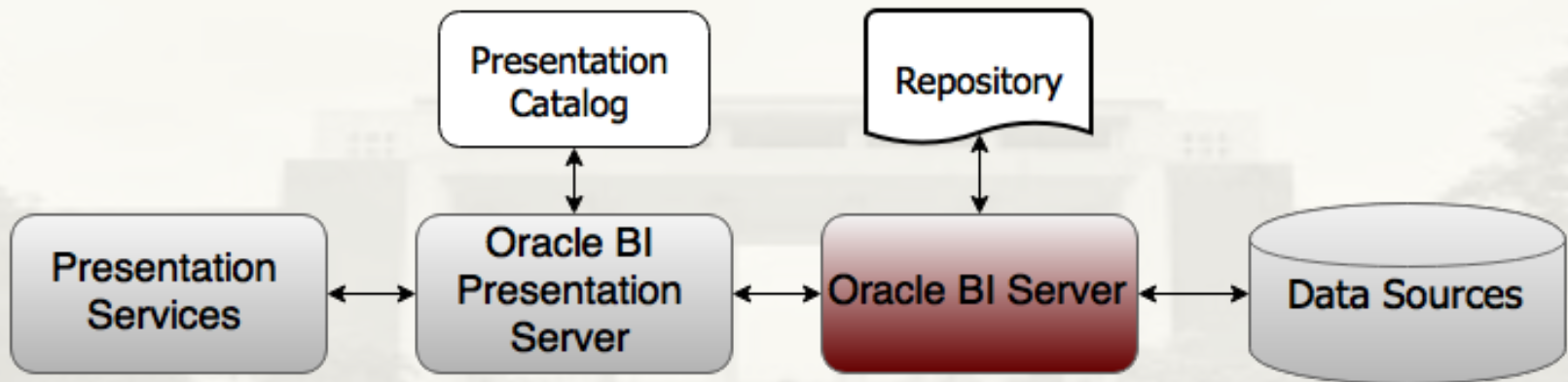


ORACLE BI COMPONENTS



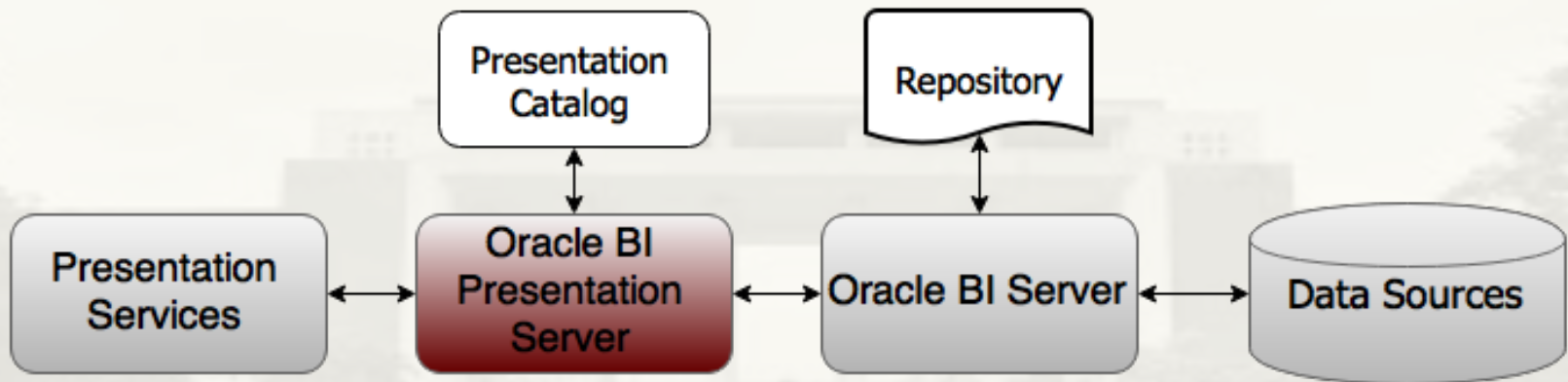
Data Sources are the physical sources (RDBMS, OLAP DB, Flat Text File, Spreadsheet, XML) where business data is stored.

ORACLE BI COMPONENTS



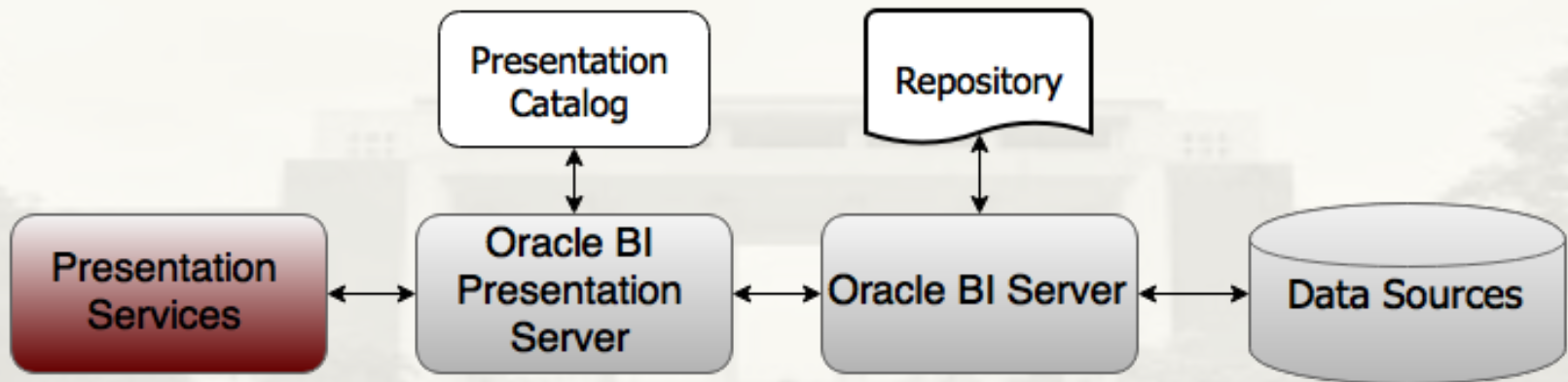
Oracle BI Server is the core server behind Oracle Business Intelligence that provides processing to access physical data sources.

ORACLE BI COMPONENTS



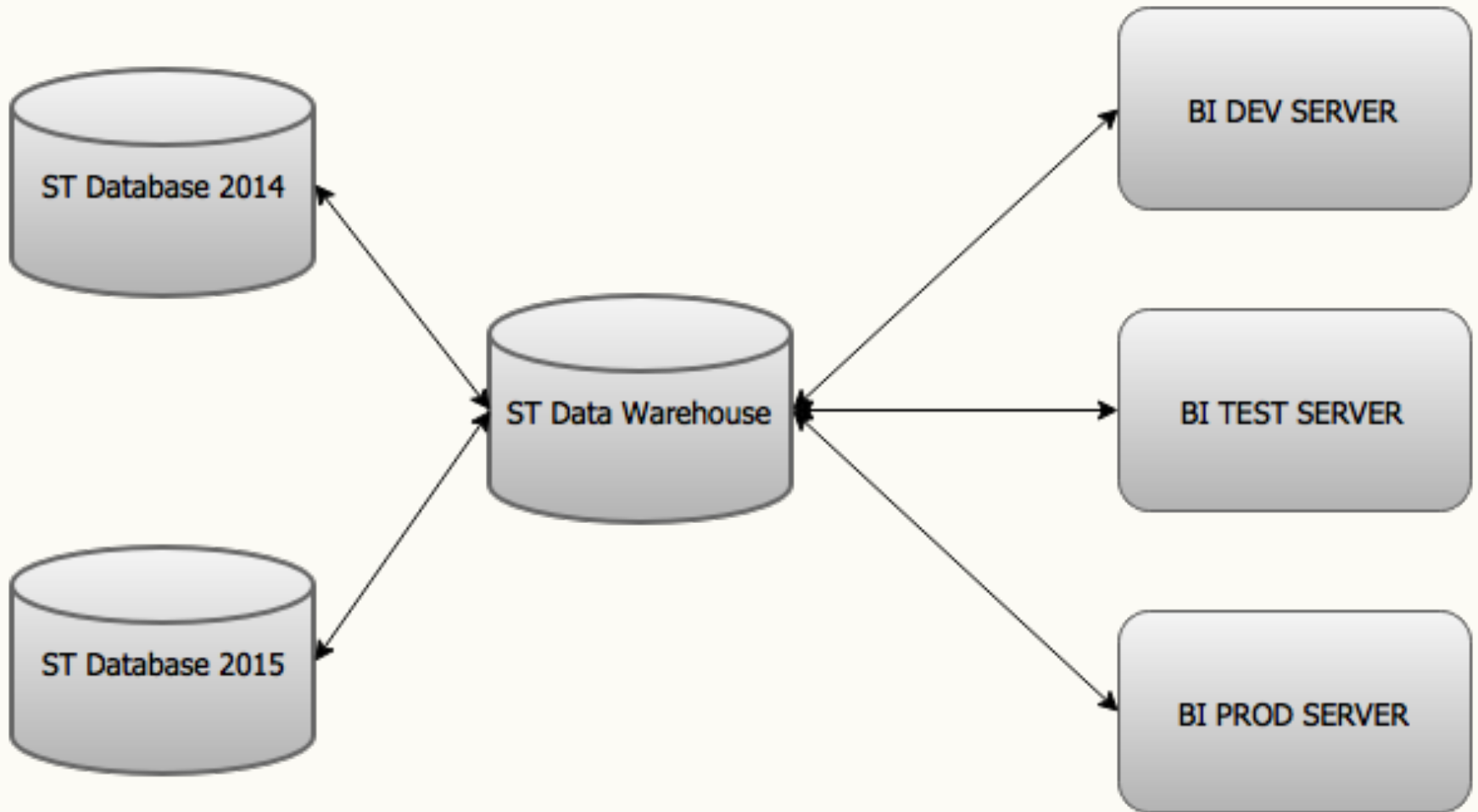
The Presentation Server provides processing to visualize information for end-user consumption. It uses the Presentation Catalog to store saved contents.

ORACLE BI COMPONENTS

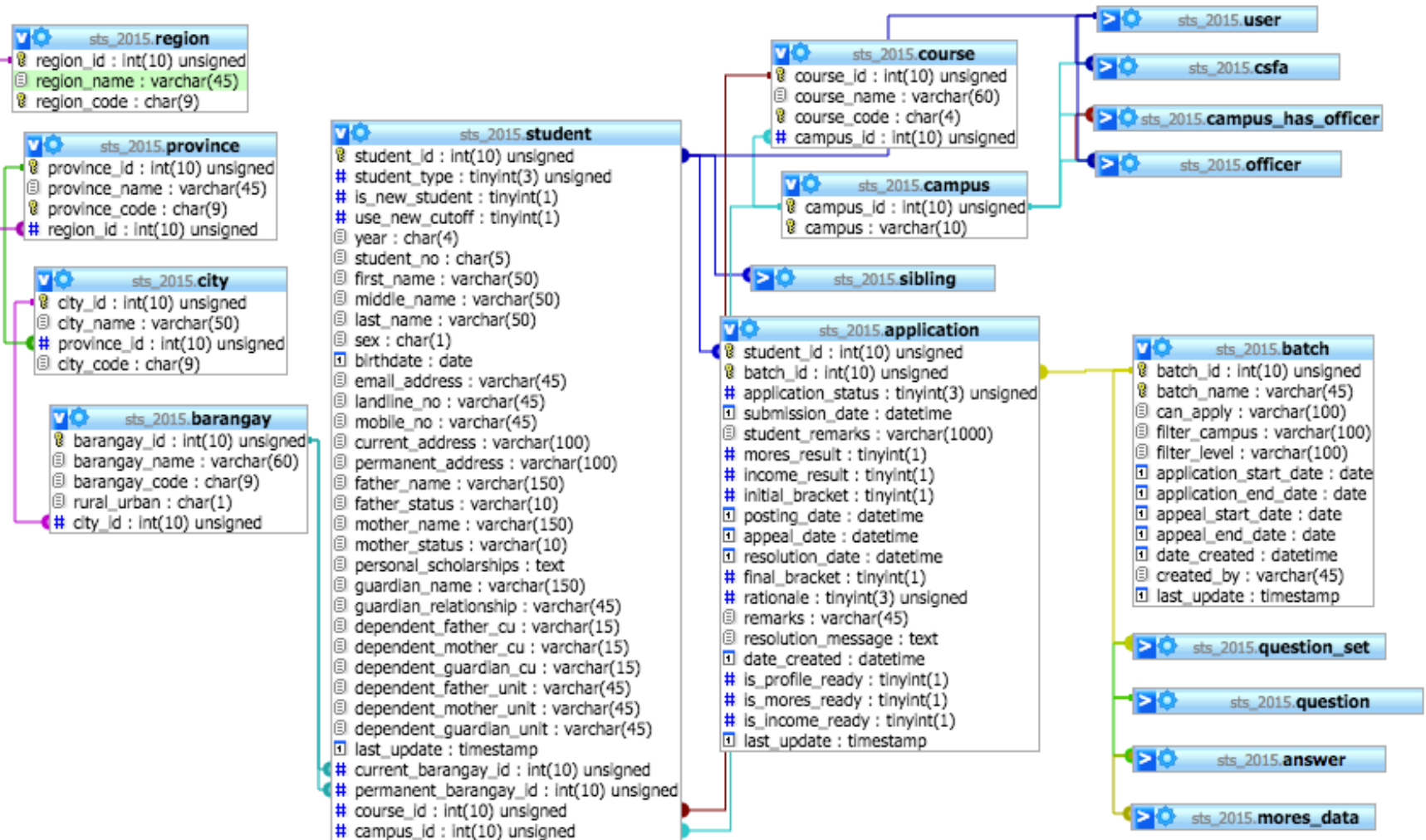


The Presentation Services are the end-user tools that provide access to business intelligence information via a web browser. It includes the OBI Analysis Editor and OBI Dashboards.

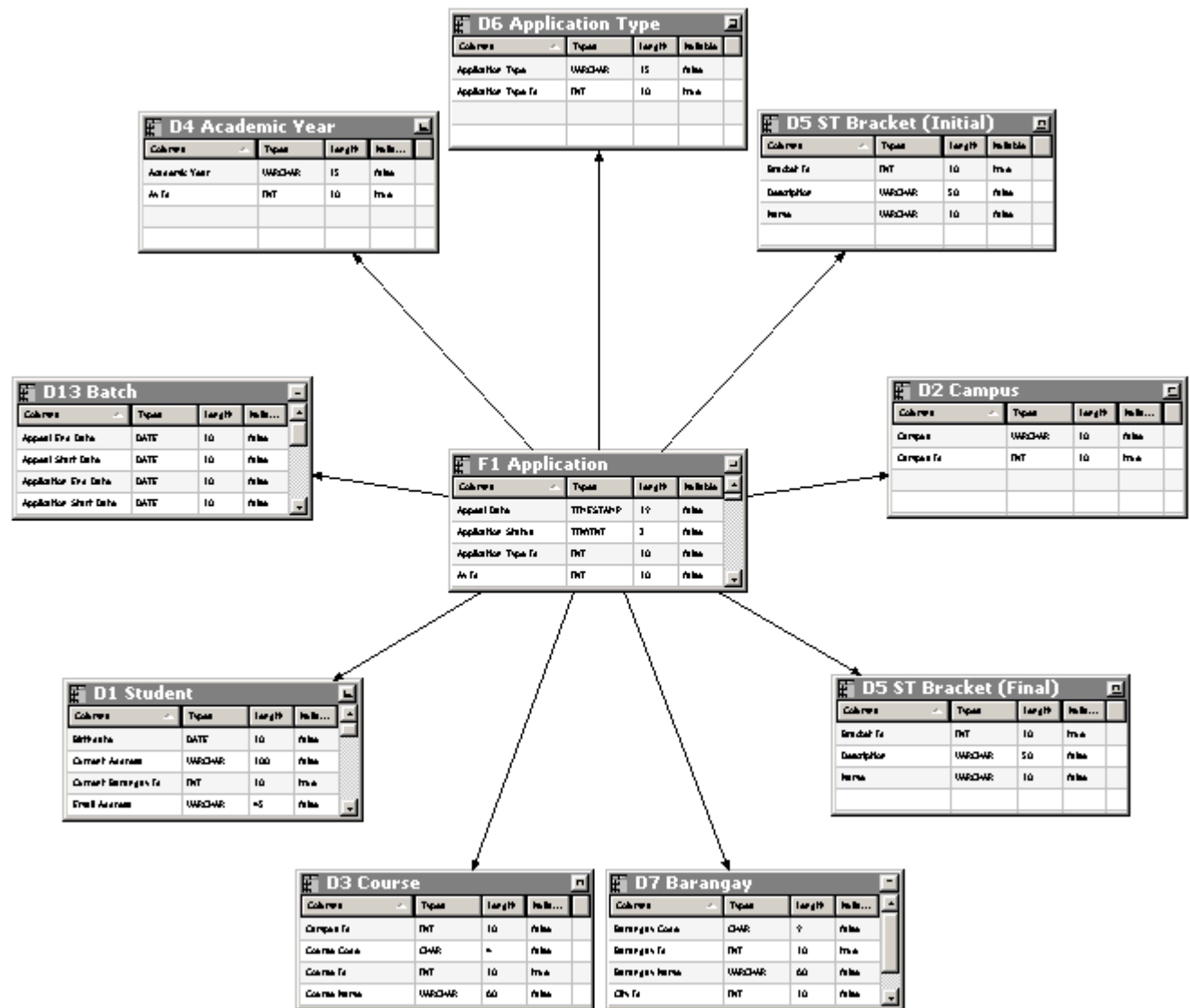
UP'S OBIEE SETUP



SOURCE SCHEMA



RPD



CREDENTIALS

OBIEE 11.1.1.9.1

Web Browser (*preferably Mozilla Firefox with Adobe Flash Plugin*)

IP Address: *202.92.140.63:9704/analytics*

User ID: *user_XX*

Password: *password_XX*

Online Guide: *bit.ly/heug_obiee*



Sign In

Enter your user id and password.

User ID

Password

Sign In

☐ Accessibility Mode



English

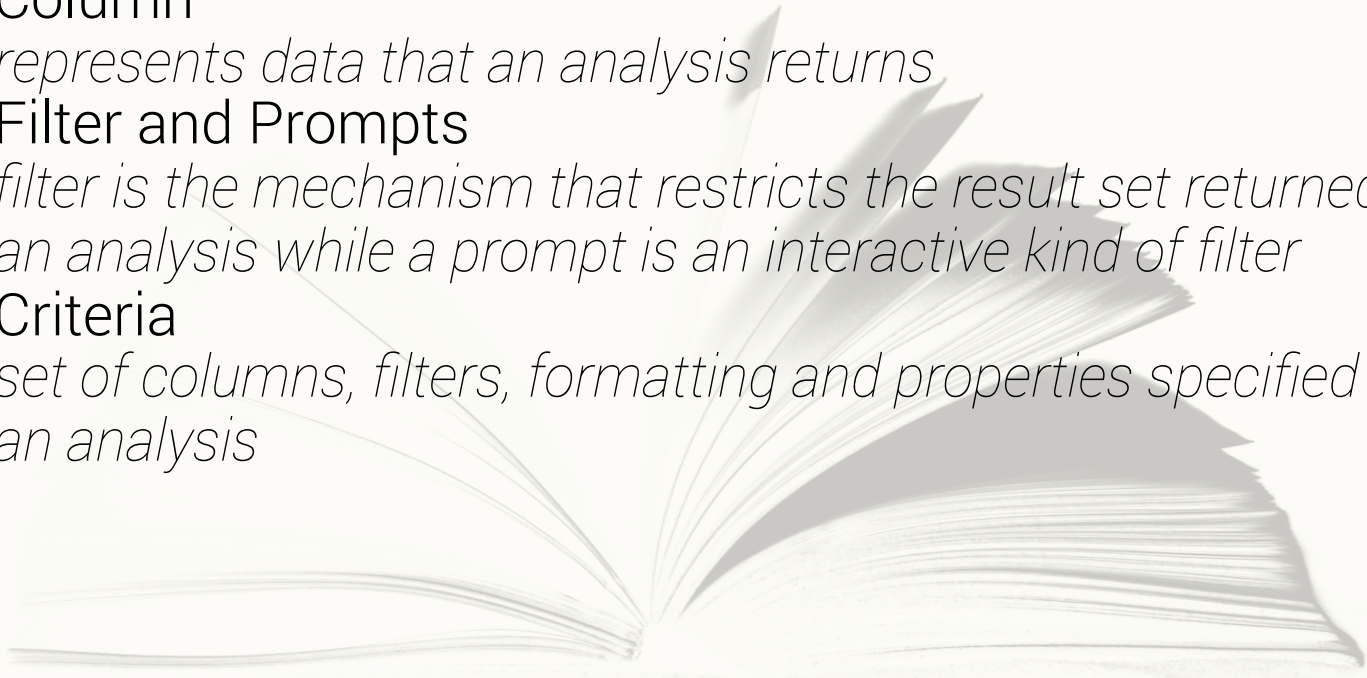


OBIEE ANALYSIS EDITOR

- Analysis Criteria
- Properties
- Filters
- Inline Prompts

KEY TERMS

1. **Analysis**
simple report, answers a query against an organization data
2. **Column**
represents data that an analysis returns
3. **Filter and Prompts**
filter is the mechanism that restricts the result set returned by an analysis while a prompt is an interactive kind of filter
4. **Criteria**
set of columns, filters, formatting and properties specified for an analysis



CREATING AN ANALYSIS

The screenshot shows the Oracle Business Intelligence Home page. The browser address bar displays `202.92.140.49/analytics/saw.dll?biesshome`. The page header includes the Oracle logo, "Business Intelligence", a search bar, and navigation links like "Advanced", "Help", and "Sign Out". The main navigation bar contains "Home", "Catalog", "Favorites", "Dashboards", and a "New" button. A "Signed In As user_01" dropdown is also present.

On the left, the "Create..." section lists several options: "Analysis and Interactive Reporting" (with sub-links for Analysis, Dashboard, and More), "Mobile Application" (with sub-link for Mobile App), "Published Reporting" (with sub-links for Report, Report Job, and More), "Actionable Intelligence" (with sub-links for Agent and Action), "Performance Management" (with sub-links for Scorecard, KPI, and KPI Watchlist), and "Marketing" (with sub-links for Segment, Segment Tree, and List Format).

A red callout box labeled "New Analysis" points to the "New" button in the navigation bar. Another red callout box labeled "Select a subject area" points to the "ST Application" option in the "Select Subject Area" dialog box.

The "Select Subject Area" dialog box is open, showing a list of subject areas: "ST Application", "ST Income Data", "ST Mores Data", and "ST Sibling Data". The "ST Application" option is highlighted.

At the bottom, the "Browse/Manage..." section is visible, showing "All Content" as a folder.

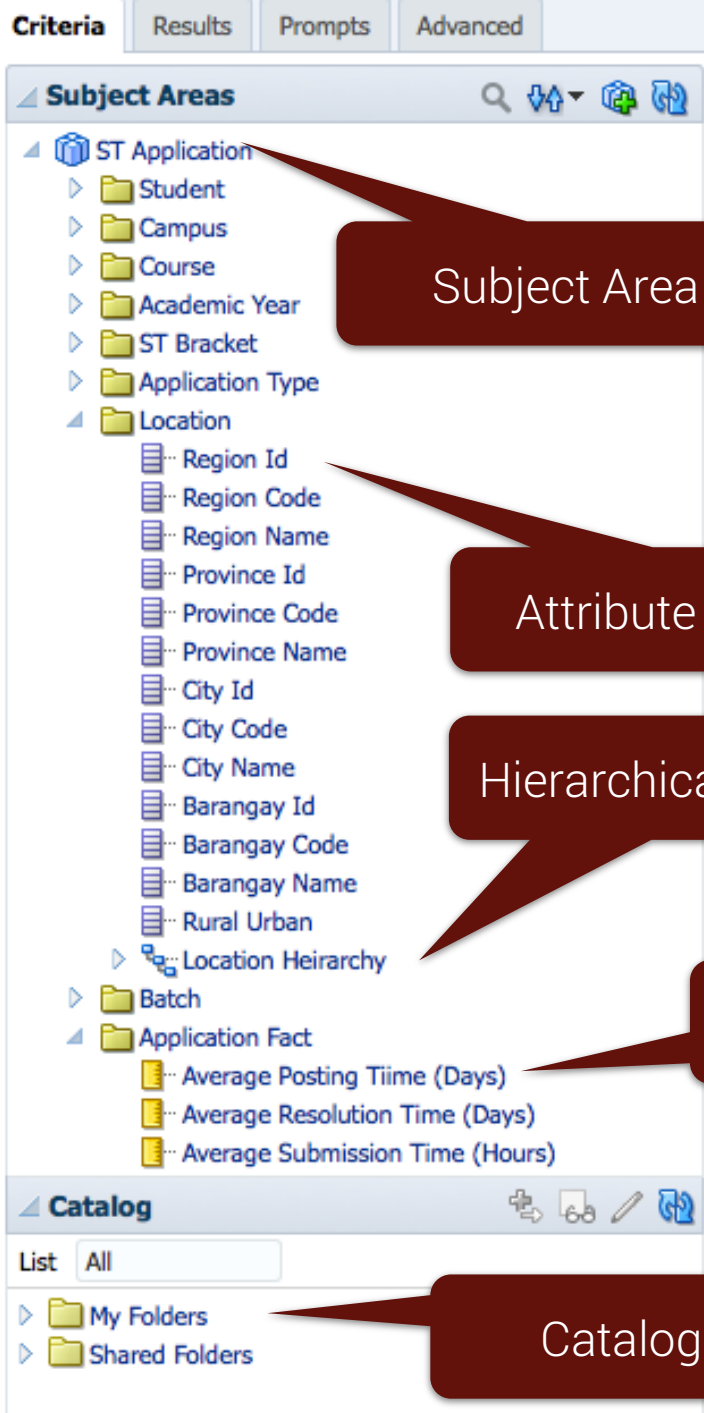
ANALYSIS EDITOR

The screenshot displays the Oracle BI Analysis Editor web application. The browser address bar shows the URL `202.92.140.49/analytics/saw.dll?Answers&SubjectArea="ST Application"`. The Oracle Business Intelligence header includes a search bar, navigation links (Home, Catalog, Favorites, Dashboards), and user information (Signed In As user_01). The main interface is divided into several panes:

- Subject Area Pane:** Located on the left, it shows a tree view of the 'ST Application' subject area, including folders for Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, and Application Fact.
- Selected Columns Pane:** Located on the right, it contains a list of selected columns and a 'Drop Columns Here.' instruction.
- Catalog Pane:** Located at the bottom left, it shows a list of folders (My Folders, Shared Folders) and a 'List All' button.
- Filters Pane:** Located at the bottom right, it contains a 'Add Filters Here.' instruction.

Four callout boxes with red arrows point to these panes, labeled 'Subject Area Pane', 'Selected Columns Pane', 'Catalog Pane', and 'Filters Pane'.

ANALYSIS EDITOR TABS



Subject Area

Attribute Column

Hierarchical Column

Measure Column

Catalog Folders

Criteria Tab

- To specify and modify the criteria, formatting and other aspects of an analysis including columns and filters

Results Tab

- To create different views of the analysis results such as pivot tables and graphs.

Prompts Tab

- To create prompts that allows users to select values to limit an analysis. This prompts dynamically filter all views within an analysis

Advanced Tab

- To examine the XML and logical SQL generated for an analysis

ANALYSIS EDITOR - CRITERIA

The screenshot shows the Oracle BI Analysis Editor interface. The browser address bar indicates the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application". The Oracle Business Intelligence logo is at the top left. The page title is "Untitled". The navigation bar includes "Search", "All", "Advanced", "Help", and "Sign Out". The user is signed in as "user_01".

The main interface is divided into several panes:

- Criteria** (selected):
 - Subject Areas**: A tree view showing "ST Application" > "Student". Under "Student", there is a list of columns: Year, Sex, Birthdate, Current Address, Current Barangay Id, Email Address, Father Name, and Father Status. A red arrow points from the "Sex" column in this list to the "Selected Columns" pane.
 - Catalog**: A list of folders: "My Folders" and "Shared Folders".
- Selected Columns**: A pane showing the columns added to the analysis. It contains "Student" and "Sex". A context menu is open over the "Sex" column, showing options: "Sort", "Edit formula", "Column Properties", "Filter", "Delete", and "Save Column As". A red arrow points from the "Determine arrangement" callout to the "Sort" option.
- Filter**: A pane for adding filters. It includes a search bar, a list of filters, and buttons for "Add filters", "Delete", and "Save Column As". A red arrow points from the "Add functions and conditional expr that present results of columns" callout to the "Filter" option in the context menu.

Annotations (Callouts):

- Column Options**: Points to the context menu options for the "Sex" column.
- Determine arrangement**: Points to the "Sort" option in the context menu.
- Add functions and conditional expr that present results of columns**: Points to the "Filter" option in the context menu.

Footer: javascript:void(0)

CALCULATIONS BUILDER

The screenshot displays the 'Edit Column Formula' window in the Oracle EBS Calculations Builder. The interface includes a 'Subject Areas' tree on the left, a 'Column Formula' editor in the center, and an 'Insert Function' dialog on the right. A callout box points to the 'Column Heading' field, and another points to the 'Case (If)' function in the 'Insert Function' dialog.

Determine column heading

Available Functions for creating logic for the column being modified

Insert Function

- Functions
 - Aggregate
 - Running Aggregate
 - String
 - Math
 - Calendar/Date
 - Conversion
 - System
 - Expressions
 - Case (Switch)
 - Case (If)**
 - DB Functions

Selected Case (If)

Syntax CASE WHEN request_condition1 THEN expr1 ELSE expr2 END

Where *exprs* is any valid expression.

Example

Description This form of the Case statement evaluates each WHEN condition and if satisfied, assigns the value in the corresponding THEN expression. If none of the WHEN conditions are satisfied, it assigns the default value specified in the ELSE expression. If no ELSE expression is specified, the system will automatically add an ELSE NULL.

Available

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact

Column Formula

Folder Heading Student

Column Heading Sex

☐ Custom Headings

☐ Contains HTML Markup

Aggregation Rule (Totals Row) Default (None)

f(...) Filter... Column

OK Cancel

CALCULATIONS BUILDER

The screenshot shows the 'Edit Column Formula' dialog box in the Oracle EBS Calculations Builder. The 'Column Formula' tab is active. The 'Folder Heading' is set to 'Student' and the 'Column Heading' is set to 'Sex'. The 'Custom Headings' checkbox is checked. The 'Aggregation Rule (Totals Row)' is set to 'Default (None)'. The 'Available' section on the left shows a tree structure with 'ST Application' expanded, showing 'Student' and 'Year'. The 'Column Formula' text area contains the formula: `CASE WHEN "Student"."Sex" = " THEN 'Undeclared' ELSE "Student"."Sex" END`. A red callout bubble points to the 'Column Heading' field with the text 'Determine column heading'. Another red callout bubble points to the formula text area with the text 'CASE WHEN "Student"."Sex" = " THEN 'Undeclared' ELSE "Student"."Sex" END'. The bottom of the dialog has 'OK' and 'Cancel' buttons.

Determine column heading

Column Formula

Folder Heading Student

Column Heading Sex

☒ Custom Headings

☐ Contains HTML Markup

Aggregation Rule (Totals Row) Default (None)

Available

Subject Areas

- ST Application
 - Student
 - Year

Column Formula

CASE WHEN "Student"."Sex" = " THEN 'Undeclared' ELSE "Student"."Sex" END

Case when "Student"."Sex" = " THEN 'Undeclared' ELSE "Student"."Sex" END

OK Cancel

ANALYSIS EDITOR - CRITERIA

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"

ORACLE Business Intelligence

Search All Advanced Help Sign Out

Untitled Home Catalog Favorites Dashboards New Open Signed In As user_01

Criteria Results Prompts Advanced

Subject Areas

- ST Application
 - Student
 - Year
 - Sex
 - Birthdate
 - Current Address
 - Current Barangay Id
 - Email Address
 - Father Name
 - Father Status

Catalog

List All

- My Folders
- Shared Folders

Selected Columns

Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to reorder them. Edit a column's properties, formula and filters, apply sorting, or delete by clicking or hovering over the button next to its name.

Student	Application Fact
Sex	Count

Filter

- Sort
- Edit formula
- Column Properties
- Filter
- Delete
- Save Column As

Add filters by clicking its name i

Click on Filter option for the specific column in the Selected Columns pane, or Filter pane under. Add a saved filter by clicking on add button after selecting

Edit the format, appearance and behavior of the column

WHERE clause in the SELECT statement

ANALYSIS EDITOR - FILTER

The screenshot displays the Oracle Business Intelligence Analysis Editor interface. The main window is titled "Untitled" and shows a tree view of "Subject Areas" on the left, including "ST Application" and "Student". A "Select Column" dialog box is open in the center, showing a list of columns under "ST Application", including "Student", "Campus", "Course", "Academic Year", "ST Bracket", "Application Type", "Location", "Batch", and "Application Fact". A red arrow points from the "Campus" column in the dialog to the "ST Application" subject area in the left pane. Another red arrow points from the "More Columns ..." option in a context menu to the "Select Column" dialog. A dark red speech bubble with the text "create a new filter" is overlaid on the right side of the interface. The interface also shows a "Criteria" tab, a "Results" tab, and a "Prompts" tab. The "Criteria" tab is active, showing a list of criteria including "Year", "Sex", "Birthdate", "Current Address", "Current Barangay Id", "Email Address", "Father Name", "Father Status", "First Name", "Guardian Name", "Guardian Relationship", and "Landline No". The "Results" tab is also visible, showing a list of results including "Sex", "Count", and "More Columns ...". The "Prompts" tab is also visible, showing a list of prompts including "Sex", "Count", and "More Columns ...". The "Advanced" tab is also visible, showing a list of advanced options including "Sex", "Count", and "More Columns ...". The interface includes a search bar at the top, a "Search" button, and a "Sign Out" button. The bottom of the interface shows a status bar with the text "javascript:void(null)".

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#criteriaTab150d06fcc8c

ORACLE Business Intelligence

Search All

Advanced Help Sign Out

Untitled

Criteria Results Prompts Advanced

Subject Areas

ST Application

Student

Year

Sex

Birthdate

Current Address

Current Barangay Id

Email Address

Father Name

Father Status

First Name

Guardian Name

Guardian Relationship

Landline No

Catalog

List All

My Folders

Shared Folders

Select Column

ST Application

Student

Campus

Campus

Campus Id

Course

Academic Year

ST Bracket

Application Type

Location

Batch

Application Fact

Double click on column properties, formula and

Student

Sex

Applica

Co

Filters

Add filters to the analysis. Filter pane header. Add

drag-and-drop columns to reorder them. Edit a column's name to its name.

create a new filter

Sex

Count

More Columns ...

columns pane, or by the column in the

g pane.

OK Cancel

javascript:void(null)

ANALYSIS EDITOR - FILTER

The screenshot displays the Oracle BI Answers Analysis Editor interface. The main window is titled "Untitled" and shows the "Criteria" pane on the left, which contains a tree view of "ST Application" and its sub-items: "Student", "Year", "Sex", "Birthdate", "Current Address", "Current Barangay Id", "Email Address", "Father Name", "Father Status", "First Name", "Guardian Name", "Guardian Relationship", and "Landline No". Below the tree view is the "Catalog" pane, which shows "List" and "All" buttons, and a list of "My Folders" and "Shared Folders".

The "New Filter" dialog box is open in the center, showing the following details:

- Column: Campus
- Operator: is equal to / is in
- Value: DILIMAN (selected from a list of values: BAGUIO, CEBU, DILIMAN, ILOILO, LOS BANOS, MANILA, MINDANAO)
- Buttons: OK, Cancel

The background shows the "Filter" pane with a list of filters. The filter "Campus is equal to / is in DILIMAN" is highlighted. A red arrow points from this filter entry to the "OK" button in the "New Filter" dialog box.

javascript:void(null)

ANALYSIS EDITOR - FILTER

The screenshot displays the Oracle BI Analysis Editor interface. The top navigation bar includes the Oracle Business Intelligence logo, a search bar, and user information. The main workspace is divided into several panes:

- Criteria** (selected):
 - Subject Areas**: A tree view showing the hierarchy of data sources. The 'ST Application' folder is expanded, showing various attributes like Year, Sex, Birthdate, etc.
 - Selected Columns**: A list of columns added to the analysis. It shows 'Student' and 'Application Fact' folders, with 'Sex' and 'Count' columns selected.
 - Filters**: A list of filters applied to the analysis. The first filter is 'Campus is equal to / is in DILIMAN'. The second filter is 'AND Academic Year is equal to / is in AY 2015-2016'. A red callout box points to the 'AND' operator, stating: 'Click this operator to change conjunction (AND - OR)'.
- Results**: A tab for viewing the results of the analysis.
- Prompts**: A tab for managing prompts in the analysis.
- Advanced**: A tab for advanced analysis options.

A red callout box points to the filter list, stating: 'options to edit, copy and delete filters'.

At the bottom left, there is a small text area containing the code: `javascript:void(null)`.

ANALYSIS EDITOR - RESULT

The screenshot displays the Oracle Business Intelligence Analysis Editor interface. The top navigation bar includes the Oracle logo, 'Business Intelligence' text, a search bar, and links for 'Advanced', 'Help', and 'Sign Out'. The main workspace is titled 'Untitled' and shows the 'Results' tab selected. On the left, a 'Subject Areas' tree lists folders like 'ST Application', 'Student', 'Campus', 'Course', 'Academic Year', 'ST Bracket', 'Application Type', and 'Location'. Below this is a 'Catalog' section with 'List' set to 'All' and folders 'My Folders' and 'Shared Folders'. The 'Views' section at the bottom left shows a 'Title' view. The main area displays a table titled 'Table' with the following data:

Sex	Count
F	9723
M	7968
Undeclared	6265

Three callout boxes provide additional information:

- Add style to the container**: Points to the 'Table' icon in the 'Table' section of the 'Command Layout'.
- Edit View Properties. e.g. Table Style**: Points to the 'Table' icon in the 'Table' section of the 'Command Layout'.
- Data View Editor Tab**: Points to the 'Table' icon in the 'Table' section of the 'Command Layout'.

The bottom of the interface features a 'Selection Steps' section.

DATA VIEW EDITOR

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d07f6260

ORACLE Business Intelligence

Search All Advanced Help Sign Out

Untitled Home Catalog Favorites Dashboards New Open Signed In As user_01

Criteria Results Prompts Advanced

Table

Editing from: "Compound Layout" Done Revert

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact

Catalog

List All

- My Folders
- Shared Folders

Sex	Count
F	9723
M	7968
Undeclared	6265
Grand Total	23956

Layout

Table

Columns and Measures

- Student
- Applicat
- Sex
- Count

Excluded

Selection Steps

Click Done to save changes

None
After
Format Labels...
Format Values...

javascript:void(null)

ANALYSIS EDITOR - PROMPT

The screenshot displays the Oracle BI Analysis Editor - Prompts interface. The main window is titled "Untitled" and shows the "Prompts" tab. The "Definition" section contains the instruction "Add prompts for users when they run this analysis." Below this is a table with columns "Prompt Label" and "Page 1". The "Display" section shows "Page 1" with a pencil icon.

A "Select Column" dialog box is open, showing a tree view of columns under "ST Application". The "Course Name" column is selected. The dialog has "OK" and "Cancel" buttons at the bottom.

A red speech bubble labeled "New Inline Prompt" points to a "+" icon in the toolbar. A red arrow points from the "Course Name" column in the dialog to a "Column Prompt" dropdown menu. The dropdown menu lists "Sex", "Count", "More Columns ...", "Column Prompt", "Variable Prompt", and "Image Prompt".

A red speech bubble labeled "Preview of the prompt" points to a preview area at the bottom right of the interface.

javascript:void(null)

ANALYSIS EDITOR - PROMPT

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#promptsTab150d08b3f7d

Search All

Advanced Help Sign Out

Signed In As user_01

Untitled

Criteria Results Prompts Advanced

Prompt Label

Page 1

Course Name

New Prompt:

Prompt For Column "Course"."Course Name"

Label Course Name

☐ Custom Label

Description

Operator is equal to / is in

User Input Choice List

Options

Choice List Values All Column Values

☒ Include "All Column Values" choice in the list

☐ Limit values by All Prompts

☒ Enable user to select multiple values

☒ Enable user to type values

☐ Require user input

Default selection None

Choice List Width ☐ Dynamic ☒ 120 Pixels

Set a variable None

OK Cancel

Display

Page 1

Course Name --Select Value--

Apply Reset

Preview of the prompt



PIVOT TABLE, GRAPHS AND OTHER VIEWS

Pivot Table View
Other Views
Graph Editor

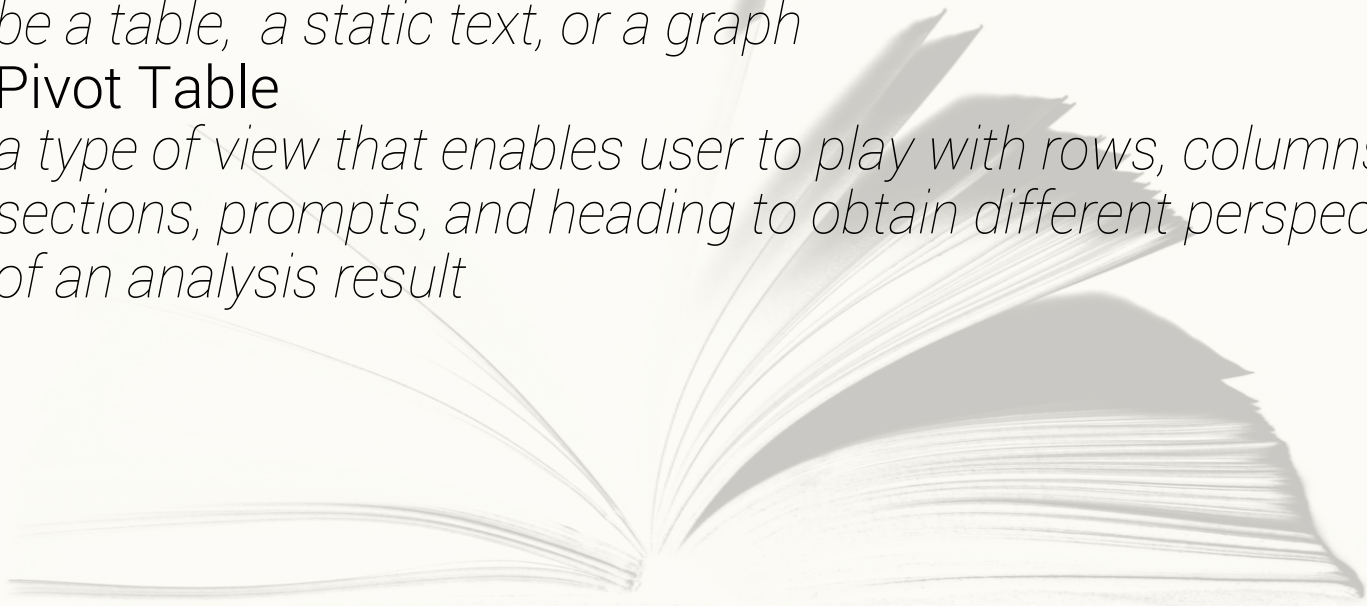
KEY TERMS

1. Views

present analysis data in meaningful and intuitive way. this can be a table, a static text, or a graph

2. Pivot Table

a type of view that enables user to play with rows, columns, sections, prompts, and heading to obtain different perspective of an analysis result



VIEWS

Oracle BI Answers

OBIEE 11g: Exceeded confi... Increase number of rows to ... DELIVER BI OBIEE 12c &a...

172.20.0.169 tab150d0e4b8b0 Search

ORACLE Add additional visual representation of data Search All Advanced Help Sign Out

Untitled Favorites Dashboards New Open Signed In As user_01

Criteria Results Prompts Advanced

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location

Catalog

List All

- My Folders
- Shared Folders

Views

- Title
- Table

Compound Layout

Title

Table

Sex	Count
F	9723
M	7968
Undeclared	6265
Grand Total	23956

Selection Steps

Best Visualization

Recommended Visualization for

Title

Table

Pivot Table

Performance Tile

Treemap

Trellis

Graph

Gauge

Funnel

Map

Filters

Selection Steps

Other Views

Bar

Line

Area

Pie

Line-Bar

Time Series Line

Pareto

Scatter

Bubble

Radar

Waterfall

VIEWS

The screenshot displays the Oracle Business Intelligence (BI) interface. The browser window shows the URL `172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d0e4b8b0`. The Oracle BI logo and "Business Intelligence" text are at the top. The interface includes a "Criteria" tab, a "Results" tab, and a "Prompts" tab. On the left, the "Subject Areas" pane shows a tree structure for "ST Application" with sub-items like Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, and Application Fact. Below this is the "Catalog" pane with "List" and "All" options, and "My Folders" and "Shared Folders". The "Views" pane at the bottom left shows "Title", "Table", and "Graph" options. The main area displays a "Compound" view with a "Graph" section. The graph is a pie chart titled "Count" with a legend on the right showing "F" (dark blue), "M" (orange), and "Undeclared" (purple). The pie chart has three segments: a large dark blue segment (F), a medium orange segment (M), and a small purple segment (Undeclared). The "Grand Total" is 23950. Three red callout boxes with white text provide instructions: "Add Style to the container. e.g. BG Color" points to the graph's container; "Graph Properties. Format Style, Title and Labels" points to the graph's title and legend; and "Edit Graph Content" points to the graph's data segments. The "Selection Steps" pane at the bottom right shows a "Graph" icon.

Oracle BI Answers

OBIEE 11g: Exceeded confi... Increase number of rows to ... DELIVER BI OBIEE 12c &a...

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d0e4b8b0

Search

Oracle Business Intelligence

Search All Advanced Help Sign Out

Untitled Home Catalog

Criteria Results Prompts Advanced

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact

Catalog

List All

- My Folders
- Shared Folders

Views

- Title
- Table
- Graph

Compound

Grand Total 23950

Graph

Count

Count

F M Undeclared

Add Style to the container. e.g. BG Color

Graph Properties. Format Style, Title and Labels

Edit Graph Content

Selection Steps

CREATE A NEW ANALYSIS WITH THE FF. CRITERIA

The screenshot displays the Oracle Business Intelligence web interface. The browser address bar shows the URL: `172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#criteriaTab150d179e49a`. The page header includes the Oracle Business Intelligence logo, a search bar, and navigation links like Home, Catalog, Favorites, Dashboards, New, Open, and Signed In As user_01.

The main content area is titled 'Untitled' and features a 'Criteria' tab. The 'Criteria' tab is divided into 'Subject Areas' and 'Selected Columns' panes.

Subject Areas: A tree view showing the hierarchy of data sources. The 'ST Application' folder is expanded, showing sub-folders like 'Student', 'Campus', 'Course', 'Academic Year', and 'ST Bracket'. The 'ST Bracket' folder is further expanded, showing items like 'Initial Bracket', 'Initial Bracket Name', 'Initial Bracket Description', 'Final Bracket', 'Final Bracket Name', and 'Final Bracket Description'.

Selected Columns: A table showing the columns selected for the analysis. The columns are:

Location	ST Bracket	Application Fact
Region	Final Bracket Description	Count

Red callout boxes highlight the following criteria:

- Location.Region
- ST Bracket.Final Bracket Description
- Application Fact.Count

Filters: A section below the 'Selected Columns' pane. It contains a filter: 'Application Status Description is not equal to / is not in Draft'.

Red callout boxes highlight the filter: 'Application Status Description is not equal to / is not in Draft'.

PIVOT TABLE VIEW

Default Table View

Add a Pivot Table View

Delete the Default Table View

Region	Final Bracket Description	Count
AUTONOMOUS REGION IN MUSLIM MINDANAO (ARMM)	No Discount	1
	Partial Discount 30%	7
	Partial Discount 60%	13
	Partial Discount 80%	6
	Full Discount	17
CORDILLERA ADMINISTRATIVE REGION (CAR)	Full Discount w/ Stipend	2
	No Discount	20
	Partial Discount 30%	153
	Partial Discount 60%	220
	Partial Discount 80%	77
NATIONAL CAPITAL REGION (NCR)	Full Discount	93
	Full Discount w/ Stipend	26
	No Discount	866
	Partial Discount 30%	2667
	Partial Discount 60%	2811

PIVOT TABLE VIEW

The screenshot displays the Oracle BI Answers interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9. The Oracle Business Intelligence header is visible, along with a search bar and navigation links. The main workspace shows a PivotTable view of data categorized by Region. A left-hand pane contains a Catalog with folders like Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, and Application Fact. Below the Catalog are sections for Views and Selection Steps. Two red callout boxes are overlaid on the image: one pointing to the PivotTable view labeled 'PivotTable View', and another pointing to the top-right corner of the workspace labeled 'Edit a Pivot Table View'.

Region	Full Discount Count	Full Discount w/ Stipend Count	No Discount Count	Partial Discount 30% Count	Partial Discount 60% Count
AUTONOMOUS REGION IN MUSLIM MINDANAO (ARMM)			1		7
CORDILLERA ADMINISTRATIVE REGION (CAR)	17	2	20		153
NATIONAL CAPITAL REGION (NCR)	93	26	866		2667
REGION I (ILOCOS REGION)	46	17	45		290
REGION II (CAGAYAN VALLEY)	43	13	52		226
REGION III (CENTRAL LUZON)	131	30	223		1060
REGION IV-A (CALABARZON)	359	75	495		2314
REGION IV-B (MIMAROPA)	26	10	25		145
REGION IX (ZAMBOANGA PENINSULA)	10		10		73
REGION V (BICOL REGION)	71	27	54		285
REGION VI (WESTERN VISAYAS)	185	37	120		516
REGION VII (CENTRAL VISAYAS)	99	40	51		243
REGION VIII (EASTERN VISAYAS)	128	50	63		362
REGION X (NORTHERN MINDANAO)	16	7	33		100
REGION XI (DAVAO REGION)	30	8	61		253

PIVOT TABLE

The screenshot displays the Oracle BI Answers web interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9. The Oracle Business Intelligence logo is at the top left. The main navigation bar includes Home, Catalog, Favorites, Dashboards, New, Open, and Signed In As user_01. The interface is divided into several sections: Criteria, Results, Prompts, and Advanced. The Results section is active, showing a Pivot Table configuration. On the left, a tree view under 'Subject Areas' lists folders like Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, and Application Fact. Below this, 'My Folders' and 'Shared Folders' are listed. The main area shows the Pivot Table configuration with sections for Prompts, Sections, Rows, Columns, and Measures. Annotations with red arrows point to specific elements: 'Add Summation of Count on Columns' points to the 'Columns' section; 'Add Summation of Count on Rows' points to the 'Rows' section; and 'To Hide Measure Label' points to the 'Measure Labels' section. A data table is visible in the background, showing columns for Region, Full Discount w/ Stipend, No Discount, Partial Discount 30%, and Partial Discount 60%.

Oracle BI Answers

OBIEE 11g: Exceeded confi... Increase number of rows to ... DELIVER BI OBIEE 12c &a...

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9

Search

Oracle Business Intelligence

Search All Advanced Help Sign Out

Untitled

Home Catalog Favorites Dashboards New Open Signed In As user_01

Criteria Results Prompts Advanced

Pivot Table

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact
- My Folders
- Shared Folders

Editing from: "Compound Layout" Done Revert

Region

Region	Full Discount w/ Stipend	No Discount	Partial Discount 30%	Partial Discount 60%
AUTONOMOUS REGION IN MIISI TM MINDANAO		1	7	

Layout

Pivot Table Prompts

Drop here for Pivot prompts

Sections

Drop here for a sectioned Pivot Table

Pivot Table

Columns

- ST Bracket
- Final Bracket Description
- Measure Labels

Rows

- Location

Measures

- Application Fact

Selection Steps

Add Summation of Count on Columns

Add Summation of Count on Rows

To Hide Measure Label

PIVOT TABLE

Oracle BI Answers

OBIEE 11g: Exceeded confi... Increase number of rows to ... DELIVER BI OBIEE 12c &a...

172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9

Search

Oracle Business Intelligence

Search All Advanced Help Sign Out

Untitled Home Catalog Favorites Dashboards New Open Signed In As user_01

Criteria Results Prompts Advanced

Subject Areas

- ST Application
 - Student
 - Campus
 - Course
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact

Catalog

List All

- My Folders
- Shared Folders

Views

Title

Table

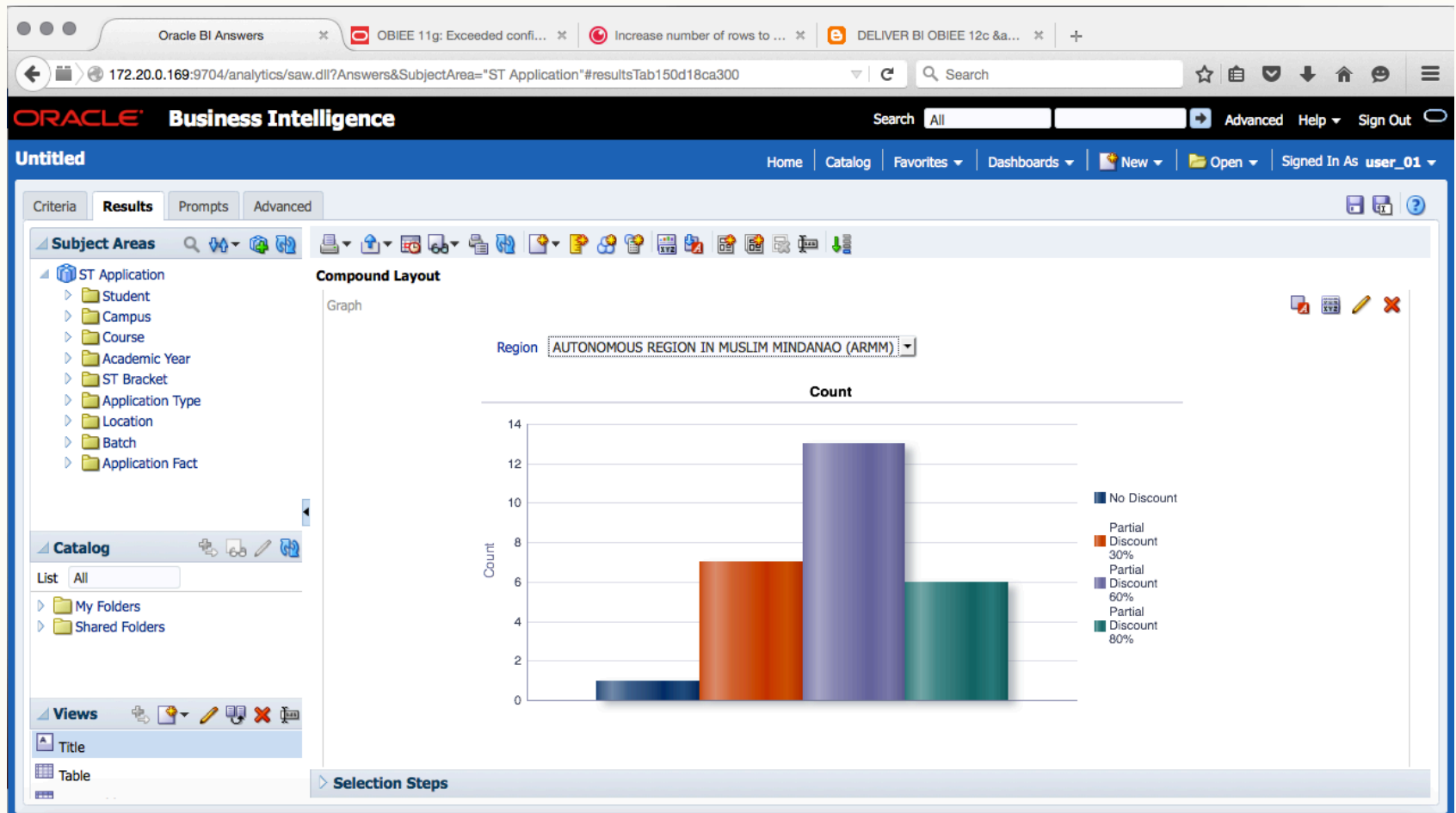
Compound Layout

Region	Full Discount	Full Discount w/ Stipend	No Discount	Partial Discount 30%	Partial Discount 60%	Partial Discount 80%	Count
AUTONOMOUS REGION IN MUSLIM MINDANAO (ARMM)			1	7	13	6	27
CORDILLERA ADMINISTRATIVE REGION (CAR)	17	2	20	153	220	77	489
NATIONAL CAPITAL REGION (NCR)	93	26	866	2667	2811	753	7216
REGION I (ILOCOS REGION)	46	17	45	290	385	208	991
REGION II (CAGAYAN VALLEY)	43	13	52	226	351	169	854
REGION III (CENTRAL LUZON)	131	30	223	1060	1603	558	3605
REGION IV-A (CALABARZON)	359	75	495	2314	3423	1598	8264
REGION IV-B (MIMAROPA)	26	10	25	145	231	108	545
REGION IX (ZAMBOANGA PENINSULA)	10		10	73	91	34	218
REGION V (BICOL REGION)	71	27	54	285	501	220	1158
REGION VI (WESTERN VISAYAS)	185	37	120	516	984	623	2465
REGION VII (CENTRAL VISAYAS)	99	40	51	243	442	242	1117
REGION VIII (EASTERN VISAYAS)	128	50	63	362	539	296	1438
REGION X (NORTHERN MINDANAO)	16	7	33	100	159	66	381
REGION XI (DAVAO REGION)	30	8	61	253	389	152	893
REGION XII (SOCCSKSARGEN)	24	5	38	162	189	91	509
REGION XIII (Caraga)	13	4	16	70	113	45	261
Grand Total	1291	351	2173	8926	12444	5246	30431

Selection Steps

javascript:void(0)

PIVOT TABLE WITH GRAPH





DASHBOARDS AND ADVANCED FEATURES

- Dashboards
- Tools Toolbar
- Dashboard Prompts
- Advanced Features

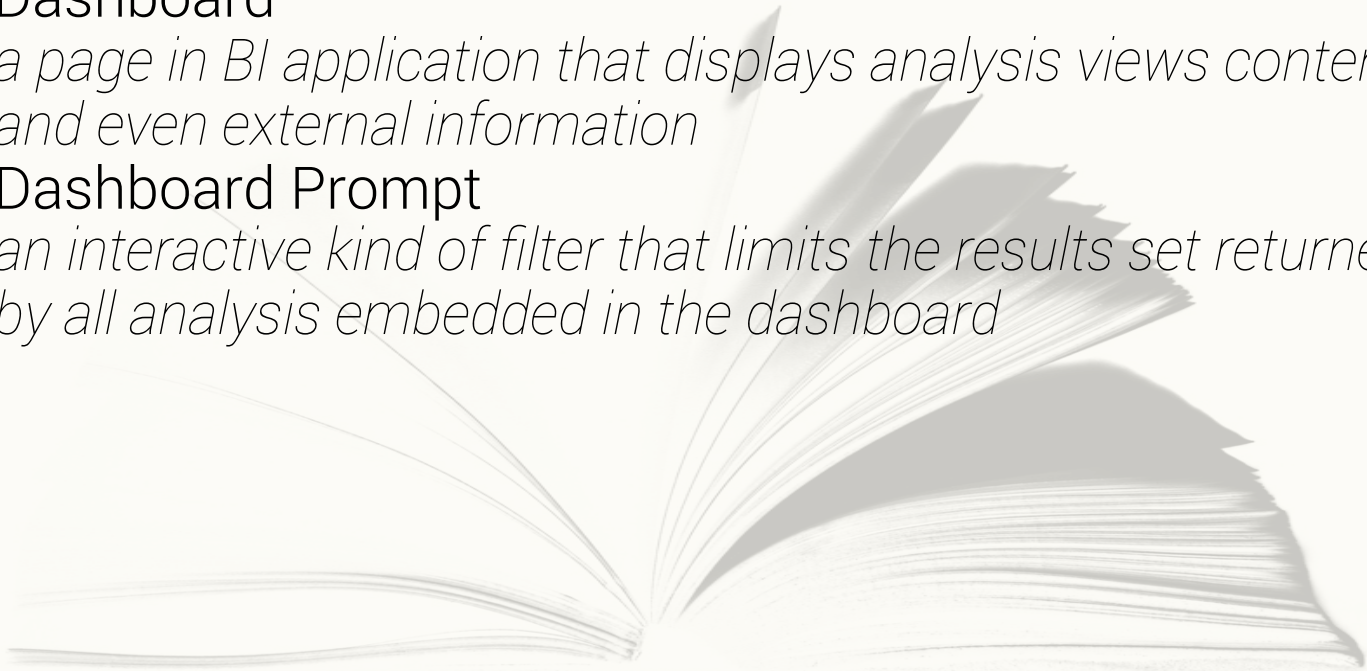
KEY TERMS

1. Dashboard

a page in BI application that displays analysis views content and even external information

2. Dashboard Prompt

an interactive kind of filter that limits the results set returned by all analysis embedded in the dashboard



CREATING A DASHBOARD

The screenshot displays the Oracle Business Intelligence (BIEE) Home page. The browser address bar shows the URL `172.20.0.169:9704/analytics/saw.dll?bieehome`. The page header includes the Oracle Business Intelligence logo and navigation links like 'Advanced', 'Help', and 'Sign Out'. The main content area is divided into sections: 'Create...' on the left, 'Recent Dashboards' in the center, and a 'New Dashboard' dialog box in the foreground. The 'Create...' section lists various reporting and analysis tools. The 'Recent Dashboards' section shows two recent reports: 'Profile Report - Preliminary Re...' and 'Profile Report - Absolute Results'. The 'New Dashboard' dialog box prompts the user to 'Choose a name and location for the new dashboard' and includes fields for 'Name', 'Description', and 'Location' (set to '/users/user_01'). It also has a 'Content' section with radio buttons for 'Add content now' (selected) and 'Add content later (Create empty dashboard)'. A red callout box labeled 'New Dashboard' points to the dialog box. On the right side, a dropdown menu for 'Analysis and Interactive Reporting' is open, showing options like 'Analysis', 'Dashboard', 'Filter', 'Dashboard Prompt', 'Condition', 'Mobile Application', 'Mobile App', 'Published Reporting', 'Report', 'Report Job', 'Data Model', 'Style Template', 'Sub Template', 'Actionable Intelligence', 'Agent', 'Action', 'Performance Management', 'Scorecard', 'KPI', 'KPI Watchlist', 'Marketing', 'Segment', 'Segment Tree', and 'List Format'.

Oracle BIEE Home

OBIEE 11g: Exceeded confi... Increase number of rows to ... DELIVER BI OBIEE 12c &a...

172.20.0.169:9704/analytics/saw.dll?bieehome

ORACLE Business Intelligence

Home

Create...

Analysis and Interactive Reporting
Analysis | Dashboard | More ▾

Mobile Application
Mobile App

Published Reporting
Report | Report Job | M

Actionable Intelligence
Agent | Action

Performance Manag
Scorecard | KPI | KPI W

Marketing
Segment | Segment Tre

Browse/Manage...

All Content ▾
My Analyses
My Reports
My Scorecards
My Agent Subscriptions
My Agents
Mobile Apps Library
Marketing Jobs
Report Jobs
Report Job History

Recent Dashboards

Profile Report - Preliminary Re...
Open | More ▾

Profile Report - Absolute Results
Open | More ▾

New Dashboard

Choose a name and location for the new dashboard

Name

Description

Location /users/user_01

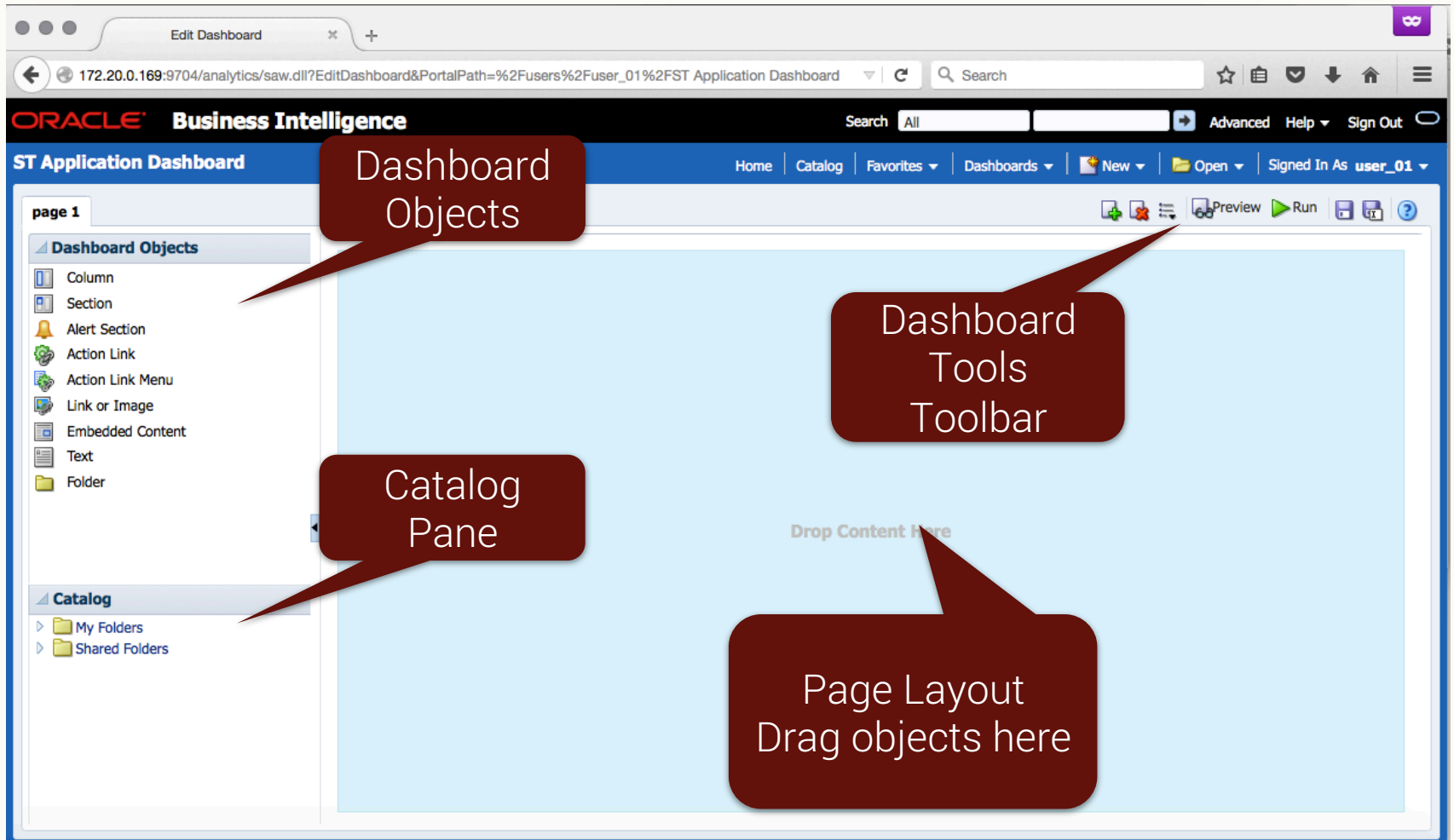
Content ☒ Add content now ☐ Add content later (Create empty dashboard)

OK Cancel

Analysis and Interactive Reporting

Analysis
Dashboard
Filter
Dashboard Prompt
Condition
Mobile Application
Mobile App
Published Reporting
Report
Report Job
Data Model
Style Template
Sub Template
Actionable Intelligence
Agent
Action
Performance Management
Scorecard
KPI
KPI Watchlist
Marketing
Segment
Segment Tree
List Format

DASHBOARD



DASHBOARD

The screenshot displays the Oracle Business Intelligence (BI) 'ST Application Dashboard' in its 'Edit Dashboard' mode. The browser's address bar shows the URL: `172.20.0.169:9704/analytics/saw.dll?EditDashboard&PortalPath=%2Fusers%2Fuser_01%2FST Application Dashboard`. The Oracle BI logo and 'Business Intelligence' text are visible at the top. The dashboard's title bar reads 'ST Application Dashboard'. The navigation pane on the left is divided into two main sections: 'Dashboard Objects' and 'Catalog'. The 'Dashboard Objects' section lists various components like Column, Section, Alert Section, Action Link, Action Link Menu, Link or Image, Embedded Content, Text, and Folder. The 'Catalog' section shows a hierarchy of folders: 'My Folders', 'Subject Area Contents', 'My Dashboard', 'ST Application Dashboard', 'Region-Bracket-Count Analysis', 'Sex-Count Analysis', and 'Shared Folders'. The main workspace is titled 'page 1' and contains two sections: 'Section 1' and 'Section 2'. 'Section 1' contains a 'Sex-Count Analysis Compound View' object. 'Section 2' contains a 'Region-Bracket-Count Analysis Compound View' object. Red arrows illustrate the process of dragging objects from the 'Catalog' into the dashboard sections. Specifically, arrows point from 'Region-Bracket-Count Analysis' and 'Sex-Count Analysis' in the catalog to their respective positions in 'Section 2' and 'Section 1' of the dashboard. The top right of the interface includes a search bar, 'Advanced' and 'Help' links, and a 'Sign Out' button. The bottom right of the main workspace has 'Preview' and 'Run' buttons.

CREATING A DASHBOARD PROMPT

The screenshot displays the Oracle Business Intelligence interface for editing a dashboard. The browser address bar shows the URL: `172.20.0.169:9704/analytics/saw.dll?EditDashboard&PortalPath=%2Fusers%2Fuser_01%2FST Application Dashboard`. The page title is "ST Application Dashboard".

On the left, the "Dashboard Objects" pane lists various components like Column, Section, Alert Section, Action Link, etc. Below it, the "Catalog" pane shows a tree structure of folders and reports, including "My Folders", "Subject Area Contents", "My Dashboard", "ST Application Dashboard", "Region-Bracket-Count Analysis", "Sex-Count Analysis", and "Shared Folders".

The main workspace contains two sections, "Section 1" and "Section 2". A red callout bubble labeled "New Dashboard Prompt" points to the "New" button in the top navigation bar. A dropdown menu is open from the "New" button, showing options: "Analysis and Interactive Reporting", "Analysis", "Dashboard", "Filter", "Dashboard Prompt", "Condition", and "Mobile Application".

A "Select Subject Area" dialog box is open in the center, listing four options with gift icons: "ST Application", "ST Income Data", "ST Mores Data", and "ST Sibling Data". A red callout bubble labeled "Select a subject area" points to this dialog. At the bottom right of the dialog, there are two icons: "Segment Tree" and "List Format".

The status bar at the bottom left shows the text: `javascript:void(null)`.

DASHBOARD PROMPT

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&Action=DashboardPrompt&SubjectArea="ST Application"

ORACLE Business Intelligence

Untitled

Advanced Help Sign Out

Signed In As user_01

Add Prompt

Definition

Add prompts for users when they run this analysis.

Prompt Label	Type	Prompt For	Description	Required	New Column
Page 1	Page				
Academic Year	Column value	Academic Year			<input type="checkbox"/>
Campus	Column value	Campus			<input type="checkbox"/>
Course Name	Column value	Course Name			<input type="checkbox"/>

Academic Year, Campus and Course Name

Display

Page 1

Academic Year --Select Value--

Campus --Select Value--

Course Name --Select Value--

javascript:void(0)

DASHBOARD PROMPT

The screenshot displays the Oracle Business Intelligence interface for the 'ST Application Dashboard'. The left sidebar contains a 'Dashboard Objects' list with items like Column, Section, Alert Section, Action Link, Action Link Menu, Link or Image, Embedded Content, Text, and Folder. Below this is a 'Catalog' section with a tree view showing 'My Folders', 'Subject Area Contents', 'My Dashboard', 'ST Application Dashboard', and 'AY-Campus-Course Prompt' (which is highlighted). The main dashboard area is divided into sections: 'Section 3' (top), 'Section 1' (middle), and 'Section 2' (bottom). 'Section 3' contains a 'AY-Campus-Course Prompt' object. A red arrow points from the 'AY-Campus-Course Prompt' object in the dashboard to its entry in the 'Catalog' tree. Another red arrow points from the 'AY-Campus-Course Prompt' entry in the 'Catalog' tree to a context menu. The context menu is open and shows options: 'Display Results', 'Report Links...', 'Show View', 'Rename...', and 'Edit Analysis'. A dark red speech bubble with white text is overlaid on the dashboard, stating: 'Make the analysis listen to the Dashboard Prompt'.

page 1

Dashboard Objects

- Column
- Section
- Alert Section
- Action Link
- Action Link Menu
- Link or Image
- Embedded Content
- Text
- Folder

Catalog

- My Folders
 - Subject Area Contents
 - My Dashboard
 - ST Application Dashboard
 - AY-Campus-Course Prompt**
 - Region-Bracket-Count Analysis
 - Sex-Count Analysis
- Shared Folders

Column 1

Section 3

AY-Campus-Course Prompt

Section 1

Section 2

Region-Bracket-Count Analysis

Make the analysis listen to the Dashboard Prompt

- Display Results
- Report Links...
- Show View
- Rename...
- Edit Analysis

DASHBOARD PROMPT

The screenshot shows the Oracle BI Answers interface for a dashboard titled "Sex-Count Analysis". The user is signed in as "user_01". The interface includes a top navigation bar with "Home", "Catalog", "Favorites", "Dashboards", "New", "Open", and "Signed In As user_01". The main content area has tabs for "Criteria", "Results", "Prompts", and "Advanced". A red callout box with white text points to the "Filters" section, stating: "Academic Year, Campus and Course Name are prompted". The "Filters" section displays three prompts: "Academic Year is prompted", "AND Campus is prompted", and "AND Course Name is prompted". The "Catalog" pane on the left shows a list of folders: "Application Type", "Location", "Batch", and "Application Fact". The "Filters" pane also includes a "List" dropdown set to "All" and a "My Folders" section with "Shared Folders".

Oracle BI Answers

172.20.0.169:9704/analytics/saw.dll?Answers&Path=%2Fusers%2Fuser_01%2FSex-Count Analysis&PortalPath=%2F

Search All

Advanced Help Sign Out

Sex-Count Analysis

Home Catalog Favorites Dashboards New Open Signed In As user_01

Return to 'ST Application Dashboard'

Criteria Results Prompts Advanced

Academic Year, Campus and Course Name are prompted

the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to reorder them. Edit a filters, apply sorting, or delete by clicking or hovering over the button next to its name.

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane header. Add a saved filter by clicking on add button after selecting its name in the catalog pane.

Academic Year is prompted
AND Campus is prompted
AND Course Name is prompted

Catalog

List All

My Folders
Shared Folders

ST Application Dashboard: page 1 > Sex-Count Analysis

ADVANCED FEATURES

1. Map View

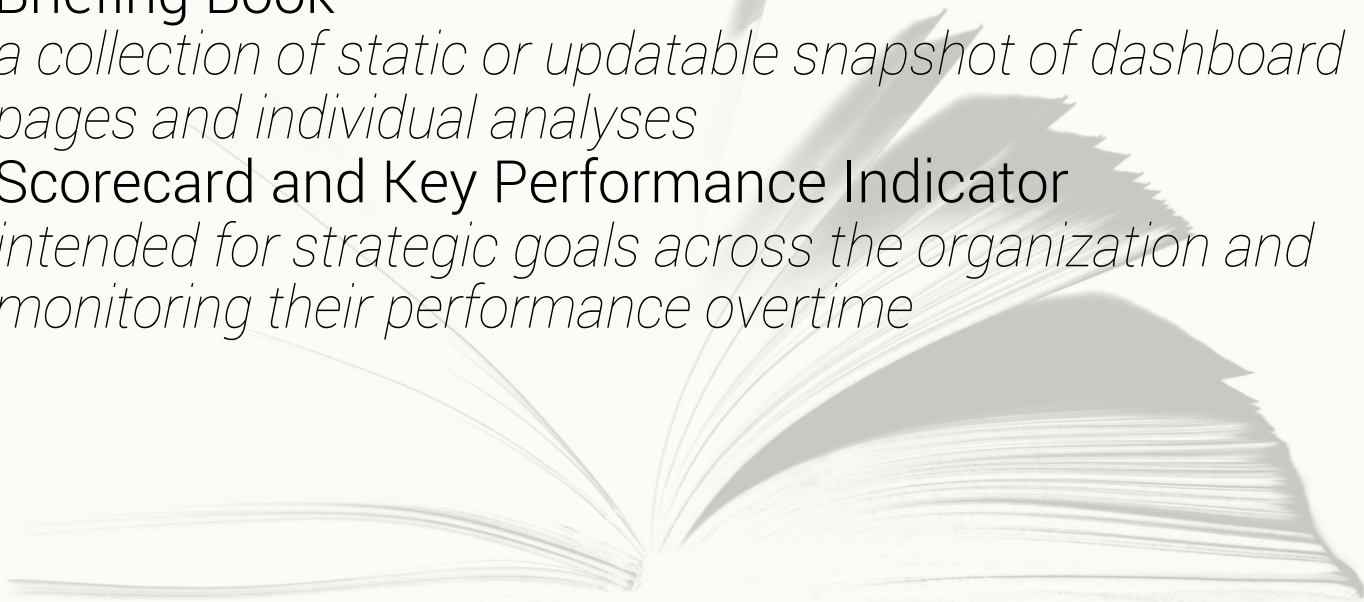
a way of presenting Analysis results in a context of a map. this view allows user to see and manipulate data in spatial form.

2. Briefing Book

a collection of static or updatable snapshot of dashboard pages and individual analyses

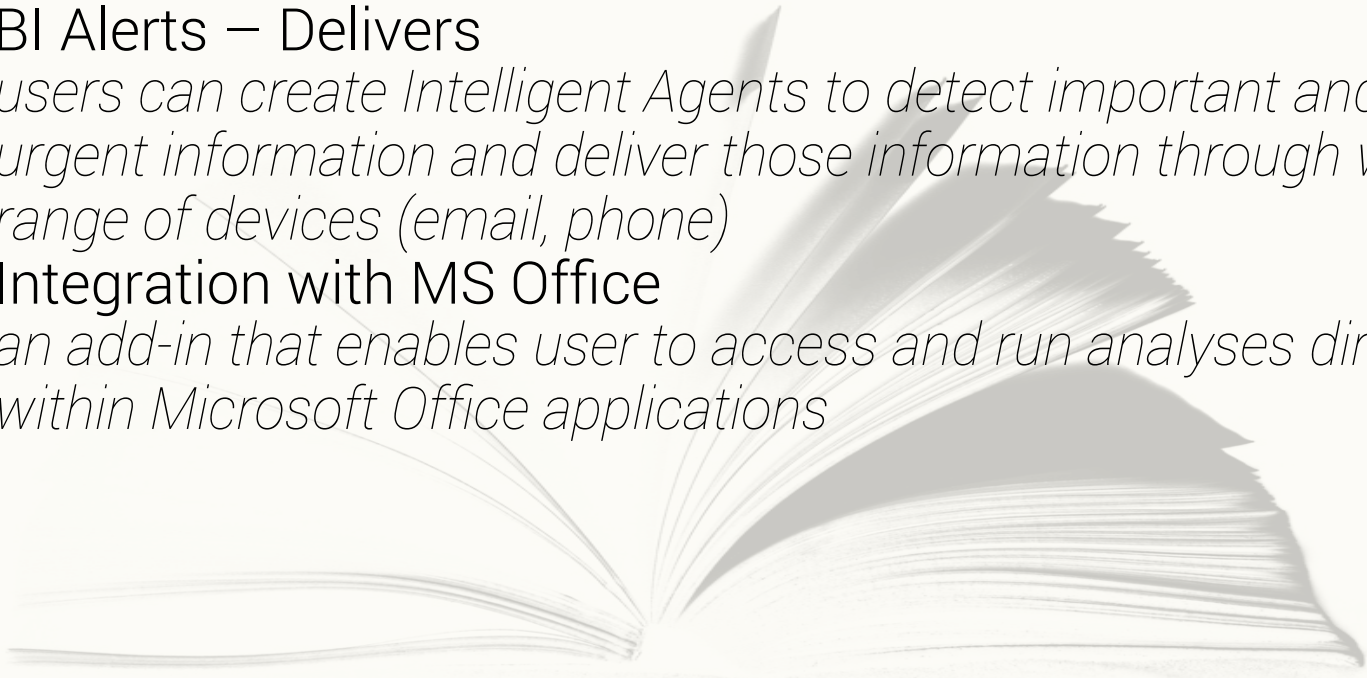
3. Scorecard and Key Performance Indicator

intended for strategic goals across the organization and monitoring their performance overtime



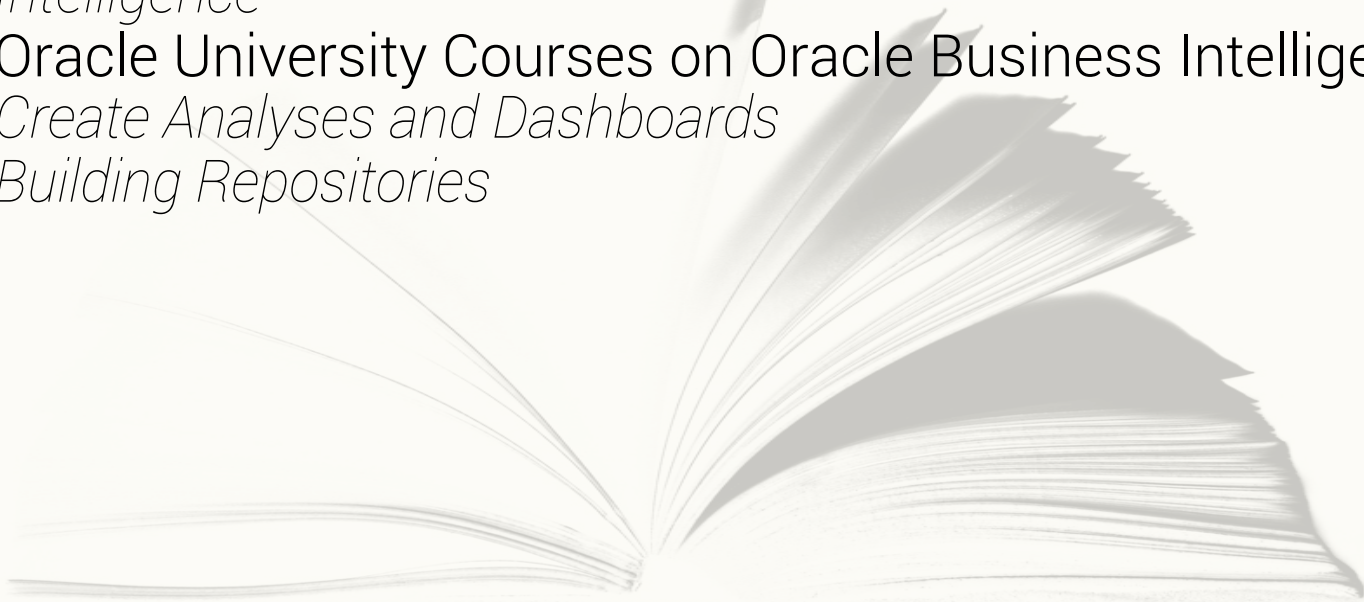
ADVANCED FEATURES

1. **Mobile Component and Designer**
provides mobile access on OBIEE content on iOS mobile devices
2. **BI Alerts – Delivers**
users can create Intelligent Agents to detect important and urgent information and deliver those information through wide range of devices (email, phone)
3. **Integration with MS Office**
an add-in that enables user to access and run analyses directly within Microsoft Office applications



OTHER RESOURCES

1. Oracle Technology Network
Oracle® Fusion Middleware Basics Guide for Oracle Business Intelligence
2. Oracle University Courses on Oracle Business Intelligence
Create Analyses and Dashboards
Building Repositories



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THANK YOU!

