



MINI WORKSHOP: INTRODUCTION TO OBIEE

SESSION 6017
10 November 2015

PRESENTER

Ryan Steven D. Caro

Systems Analysts

Executive Information System - eUP Project

University of the Philippines

rdcaro@up.edu.ph

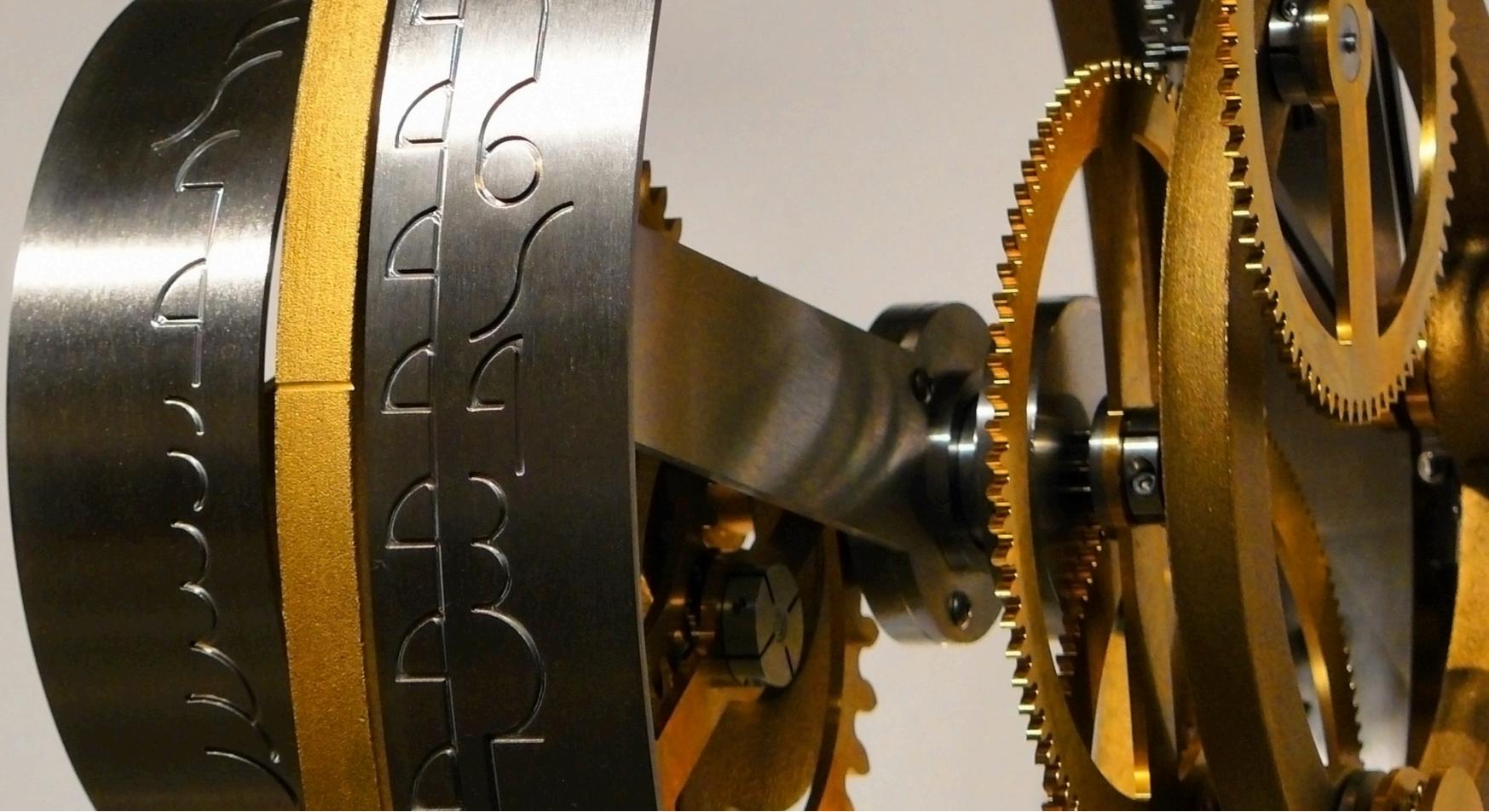


OUTLINE



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

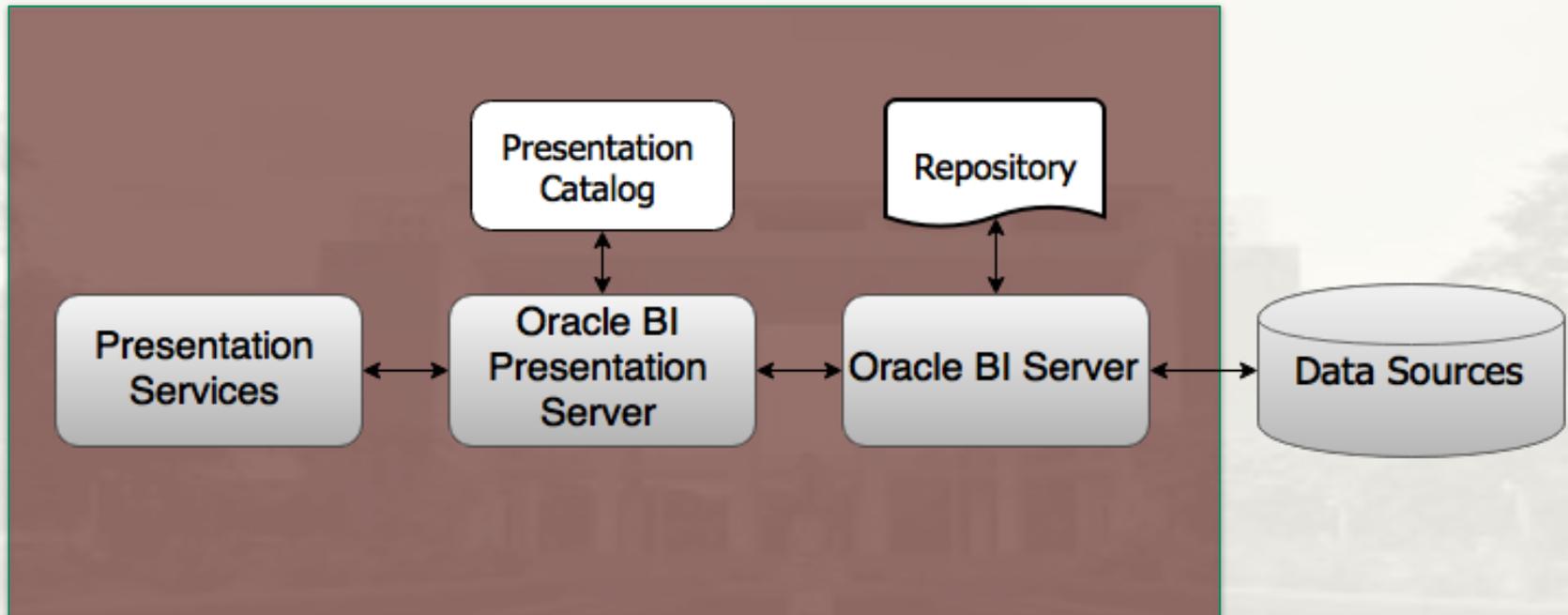
1. **OBIEE Architecture Overview**
BI Architecture, Source and Repository Schema, OBIEE Setup
2. **OBIEE Analysis Editor**
Analysis Criteria, Properties, Filters and Inline Prompts
3. **Working with Pivot Tables, Graphs and Other Views**
Pivot Table View, Other Views, Graph Editor
4. **Dashboards and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



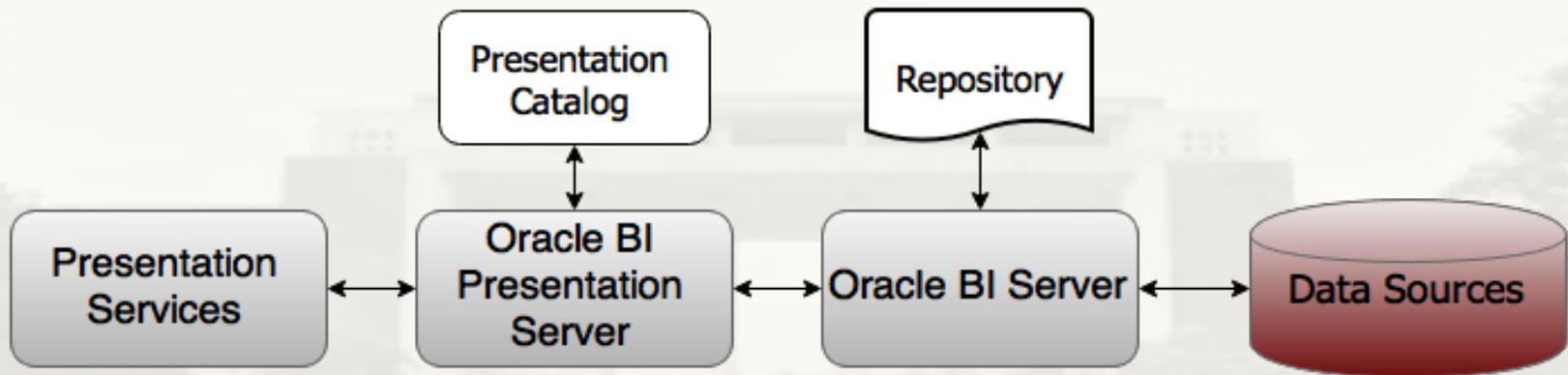
OBIEE ARCHITECTURE OVERVIEW

BI Architecture
Source and
Repository Schema
OBIEE Setup

ORACLE BI COMPONENTS

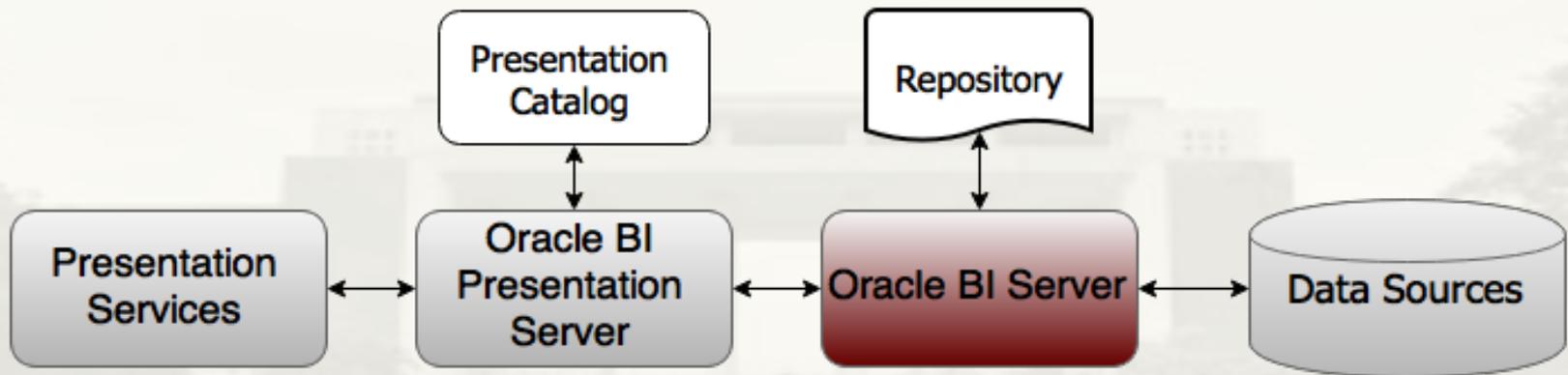


ORACLE BI COMPONENTS



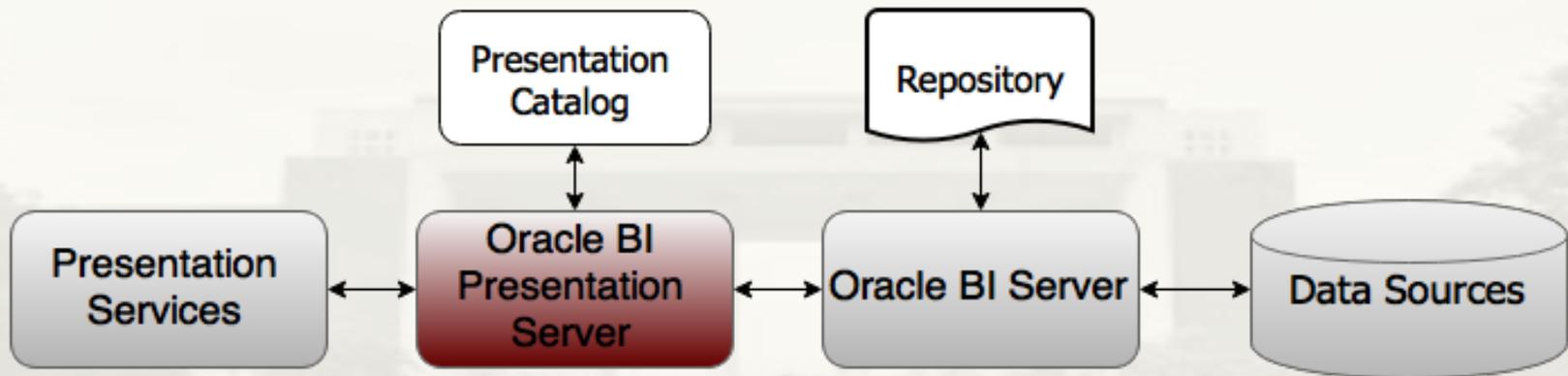
Data Sources are the physical sources (RDBMS, OLAP DB, Flat Text File, Spreadsheet, XML) where business data is stored.

ORACLE BI COMPONENTS



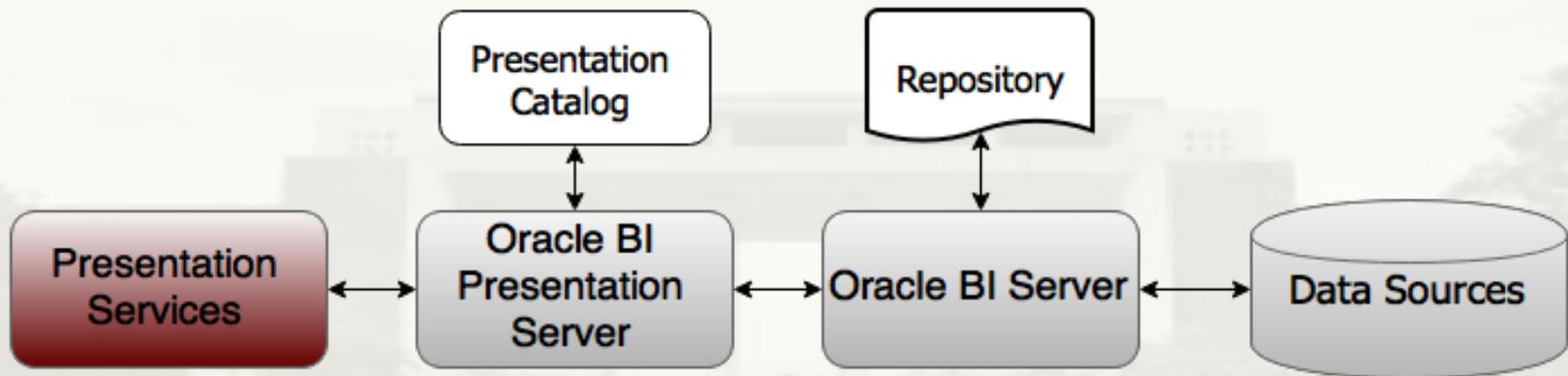
Oracle BI Server is the core server behind Oracle Business Intelligence that provides processing to access physical data sources.

ORACLE BI COMPONENTS



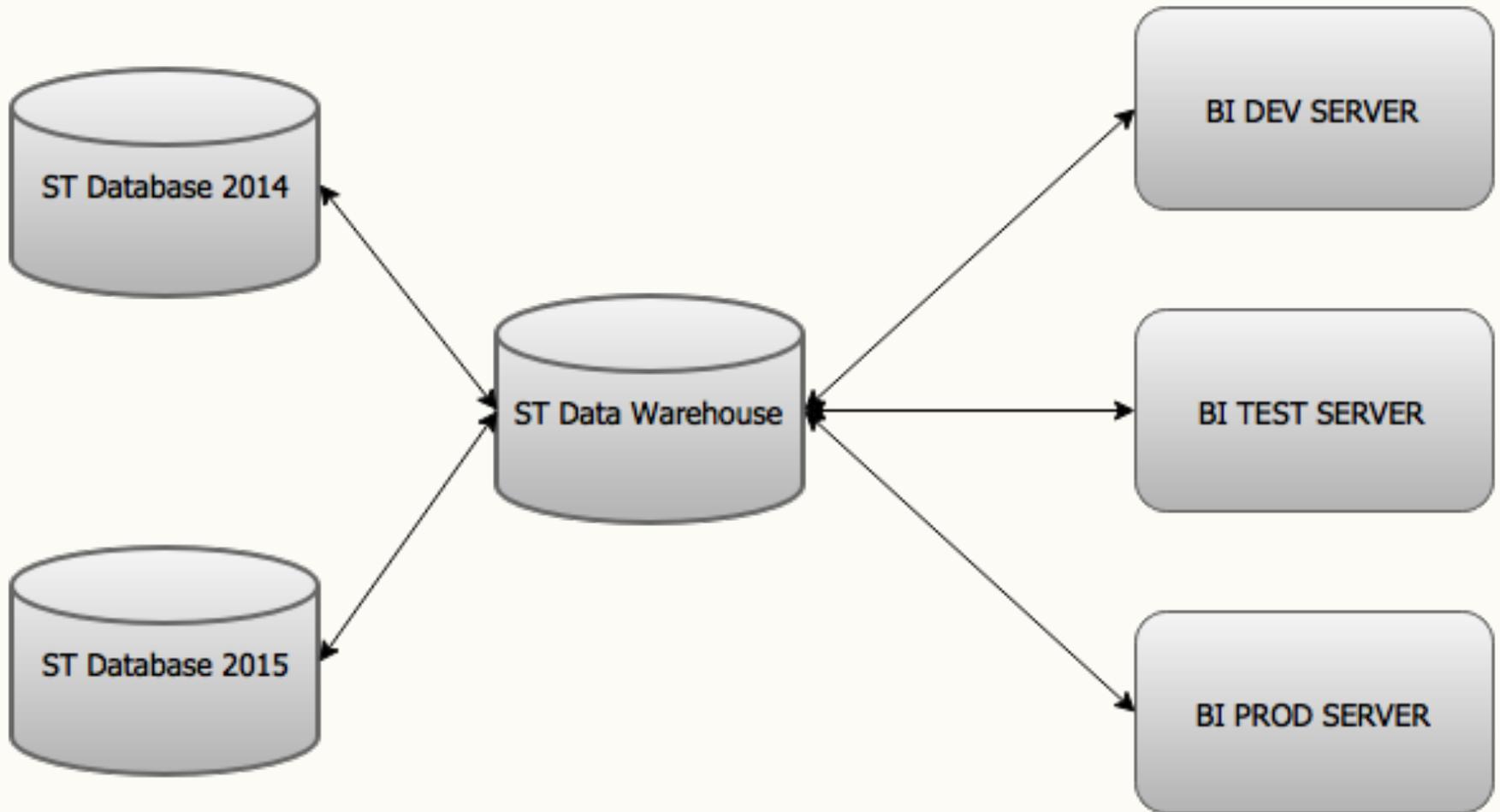
The Presentation Server provides processing to visualize information for end-user consumption. It uses the Presentation Catalog to store saved contents.

ORACLE BI COMPONENTS

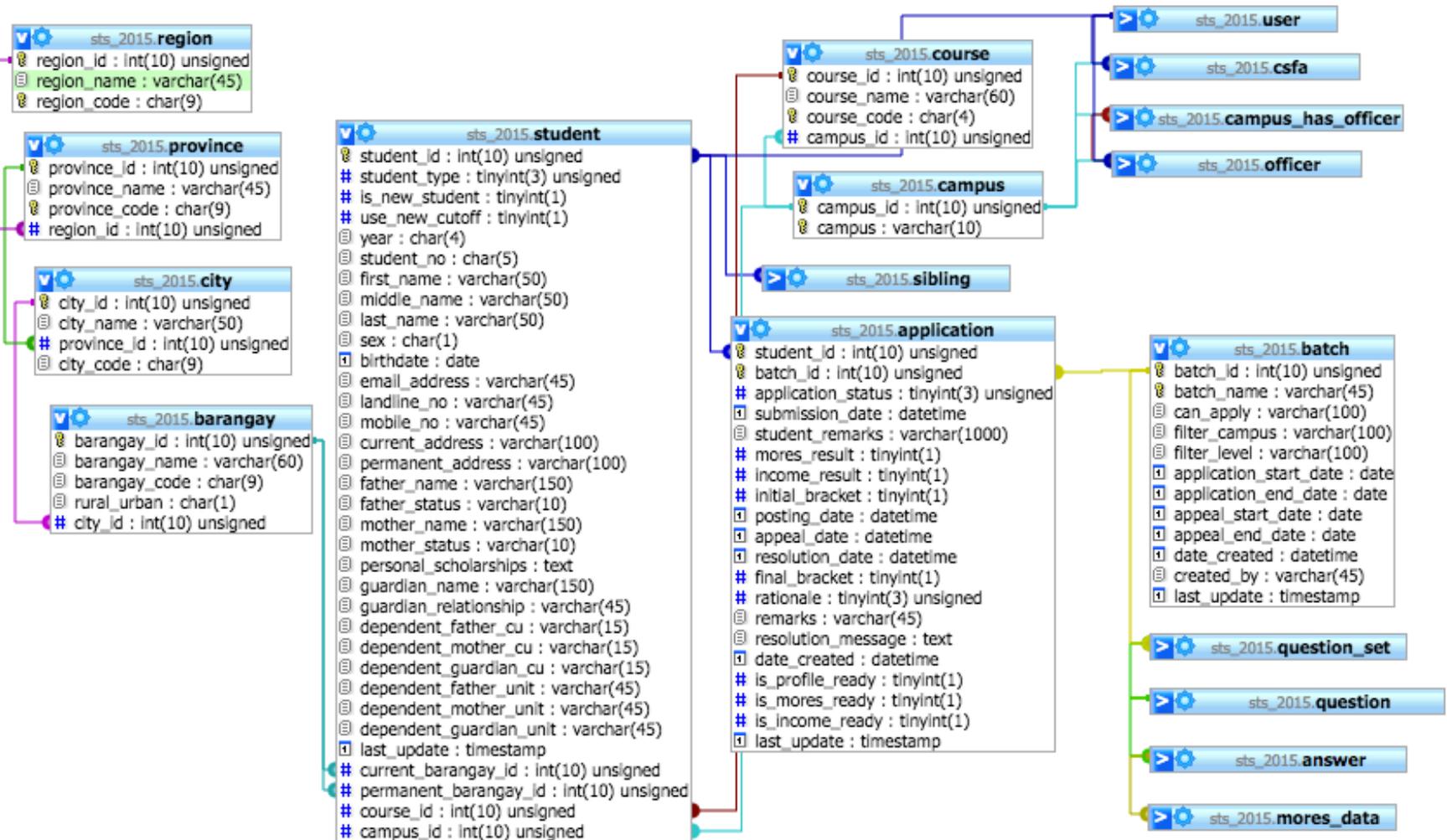


The Presentation Services are the end-user tools that provide access to business intelligence information via a web browser. It includes the OBI Analysis Editor and OBI Dashboards.

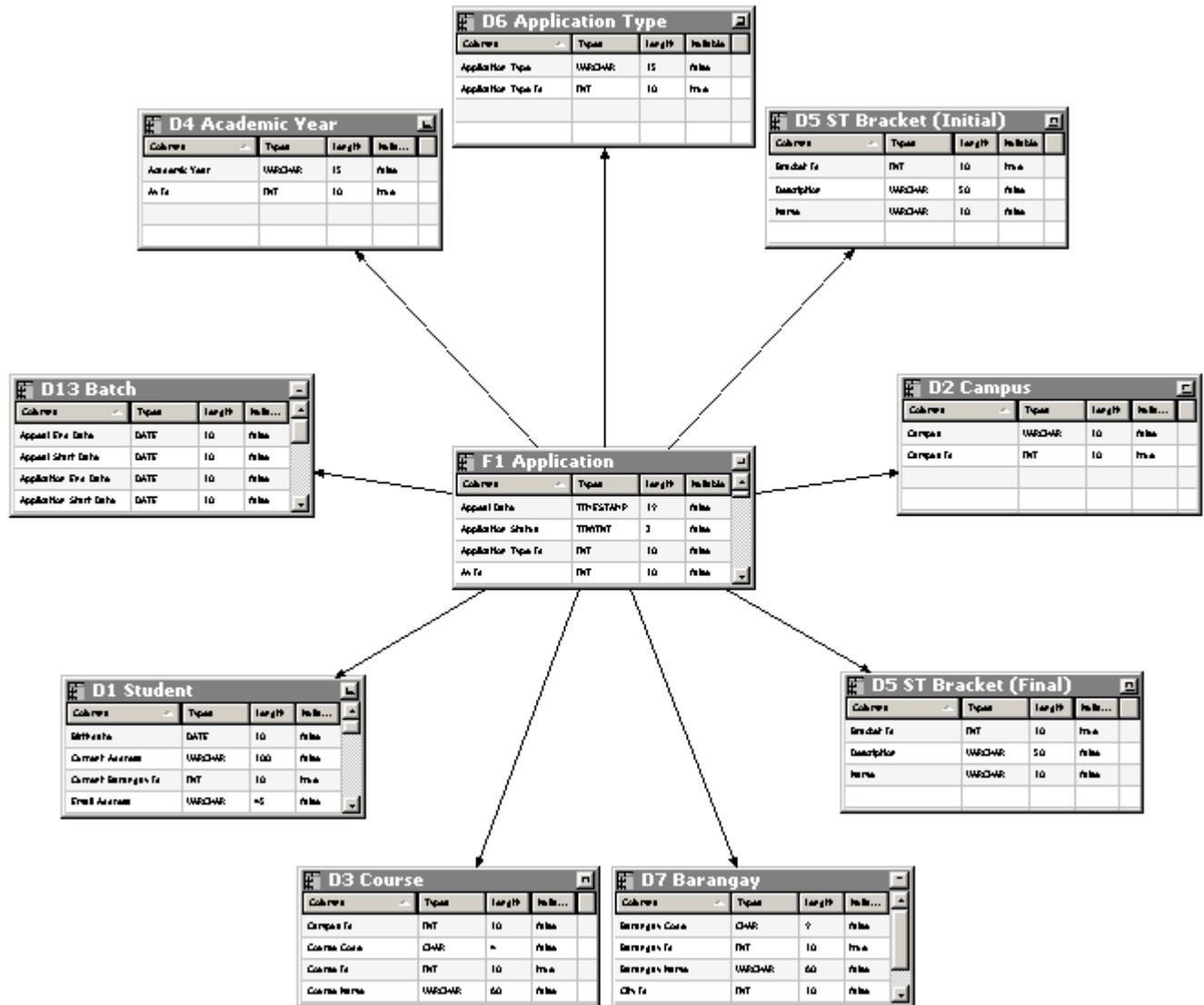
UP'S OBIEE SETUP



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

Accessibility Mode



English

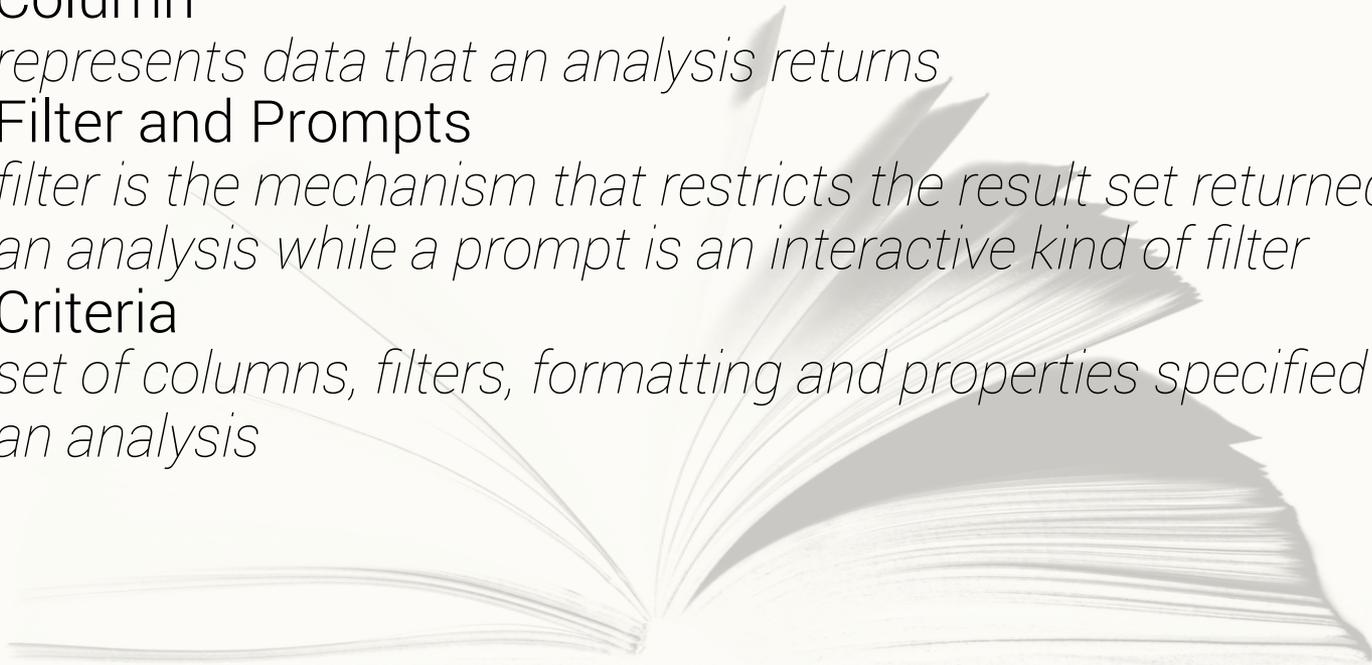


OBIEE ANALYSIS EDITOR

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?bieehome'. The page header includes the Oracle logo, 'Business Intelligence', a search bar, and navigation links like 'Home', 'Catalog', 'Favorites', 'Dashboards', 'New', 'Open', and 'Signed In As user_01'. The main content area is divided into 'Create...' and 'Browse/Manage...' sections. The 'Create...' section lists various options: 'Analysis and Interactive Reporting' (with sub-options: Analysis, Dashboard, More), 'Mobile Application' (Mobile App), 'Published Reporting' (Report, Report Job, More), 'Actionable Intelligence' (Agent, Action), 'Performance Management' (Scorecard, KPI, KPI Watchlist), and 'Marketing' (Segment, Segment Tree, List Format). A dark red callout box labeled 'New Analysis' points to the 'Analysis' option under 'Analysis and Interactive Reporting'. A secondary callout box labeled 'Select a subject area' points to the 'ST Application' option in a 'Select Subject Area' dialog box. The dialog box also lists 'ST Income Data', 'ST Mores Data', and 'ST Sibling Data'. The 'Browse/Manage...' section shows 'All Content'.

Oracle Business Intelligence

Search All

Advanced Help Sign Out

Home Catalog Favorites Dashboards New Open Signed In As user_01

Create...

- Analysis and Interactive Reporting
 - Analysis
 - Dashboard
 - More
- Mobile Application
 - Mobile App
- Published Reporting
 - Report
 - Report Job
 - More
- Actionable Intelligence
 - Agent
 - Action
- Performance Management
 - Scorecard
 - KPI
 - KPI Watchlist
- Marketing
 - Segment
 - Segment Tree
 - List Format

Browse/Manage...

All Content

New Analysis

Select Subject Area

- ST Application
- ST Income Data
- ST Mores Data
- ST Sibling Data

Select a subject area

ANALYSIS EDITOR

The screenshot shows the Oracle Business Intelligence Analysis Editor interface. The browser address bar displays the URL: 202.92.140.49/analytics/saw.dll?Answers&SubjectArea="ST Application". The Oracle Business Intelligence logo is visible at the top left, and the user is signed in as user_01. The interface is divided into several panes:

- Subject Area Pane:** Located on the left, it displays a tree view of subject areas under "ST Application", including Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, and Application Fact.
- Selected Columns Pane:** Located in the center, it contains a "Drop Columns Here." instruction and a list of selected columns.
- Catalog Pane:** Located at the bottom left, it shows a "List" dropdown set to "All" and a tree view of "My Folders" and "Shared Folders".
- Filters Pane:** Located at the bottom right, it contains an "Add Filters Here." instruction and a list of filters.

Four callout boxes with white text on a dark red background point to these panes: "Subject Area Pane", "Selected Columns Pane", "Catalog Pane", and "Filters Pane".

ANALYSIS EDITOR TABS

The screenshot displays the Analysis Editor interface with the following components:

- Criteria Tab:** The top-most tab, currently selected.
- Results Tab:** The second tab from the top.
- Prompts Tab:** The third tab from the top.
- Advanced Tab:** The bottom-most tab.
- Subject Areas:** A tree view on the left side showing a hierarchy of folders and attributes. Callouts point to:
 - Subject Area:** Points to the 'ST Application' folder.
 - Attribute Column:** Points to 'Region Id'.
 - Hierarchical Column:** Points to 'Location Hierarchy'.
 - Measure Column:** Points to 'Average Posting Time (Days)'.
- Catalog:** A section at the bottom with a 'List' dropdown set to 'All' and a tree view showing 'My Folders' and 'Shared Folders'. A callout points to '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

Subject Area

Attribute Column

Hierarchical Column

Measure Column

Catalog Folders

ANALYSIS EDITOR - CRITERIA

The screenshot shows the Oracle Business Intelligence 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 visible at the top left. The main interface is titled "Untitled" and shows the "Criteria" pane. The "Subject Areas" pane on the left displays a tree structure for "ST Application" with a "Student" folder containing columns like "Year", "Sex", "Birthdate", "Current Address", "Current Barangay Id", "Email Address", "Father Name", and "Father Status". The "Selected Columns" pane on the right shows "Student" and "Sex" columns. A context menu is open over the "Sex" column, listing options: "Sort", "Edit formula", "Column Properties", "Filter", "Delete", and "Save Column As". Three callout boxes provide instructions: "Column Options" points to the context menu, "Determine arrangement" points to the "Sort" option, and "Add functions and conditional expr that present results of columns" points to the "Filter" option. The "Filter" option description at the bottom of the interface reads: "Clicking on Filter option for the specific column in the Selected Columns pane, or Filter pane header. Add a saved filter by clicking on add button after selecting its name".

Column Options

Determine arrangement

Add functions and conditional expr that present results of columns

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

CALCULATIONS BUILDER

Determine column heading

Available Functions for creating logic for the column being modified

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

Column Formula

f(...) Filter... Column v

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.

OK Cancel

CALCULATIONS BUILDER

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

The screenshot shows the Oracle BI Analysis Editor interface. The 'Criteria' pane is active, displaying a tree view of 'Subject Areas' under 'ST Application'. The 'Student' folder is expanded, showing columns like 'Year', 'Sex', 'Birthdate', etc. The 'Sex' column is selected, and a context menu is open over it. The menu options are: Sort, Edit formula, Column Properties, Filter, Delete, and Save Column As. A red arrow points from the 'Sex' column in the tree to the context menu. Another red arrow points from the 'Filter' option in the menu to a callout box.

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 shows a tree view of subject areas under 'ST Application', including 'Student', 'Campus', 'Course', 'Academic Year', 'ST Bracket', 'Application Type', 'Location', 'Batch', and 'Application Fact'. A 'Select Column' dialog box is open, showing a list of columns: 'Campus', 'Campus Id', 'Course', 'Academic Year', 'ST Bracket', 'Application Type', 'Location', 'Batch', and 'Application Fact'. A red arrow points from the 'More Columns ...' option in the context menu to the 'ST Application' folder in the dialog. A red speech bubble contains the text 'create a new filter'. The interface also shows a 'Criteria' tab with 'Subject Areas' and 'Selected Columns' sections, and a 'Catalog' section with 'My Folders' and 'Shared Folders'.

ANALYSIS EDITOR - FILTER

The screenshot displays the Oracle BI Answers Analysis Editor interface. A 'New Filter' dialog box is open, showing the following configuration:

- Column: Campus
- Operator: is equal to / is in
- Value: DILIMAN (selected from a list including BAGUIO, CEBU, ILOILO, LOS BANOS, MANILA, and MINDANAO)

The dialog also includes checkboxes for 'Protect' and 'Convert', and a search field at the bottom. The background shows the 'Criteria' pane with a tree view of 'Subject Areas' under 'ST Application', including 'Student' and various attributes like 'Year', 'Sex', 'Birthdate', etc. The 'Filter' pane at the bottom shows the filter 'Campus is equal to / is in DILIMAN' applied. A red arrow points from the 'OK' button in the dialog to the filter in the filter pane.

ANALYSIS EDITOR - FILTER

The screenshot displays the Oracle Business Intelligence Analysis Editor interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#criteriaTab150d06fcc8c. The Oracle Business Intelligence logo is visible at the top left. The interface includes a navigation bar with "Home", "Catalog", "Favorites", "Dashboards", "New", "Open", and "Signed In As user_01". The main workspace is divided into several panes: "Criteria" (with sub-tabs for Results, Prompts, and Advanced), "Subject Areas" (showing a tree view for "ST Application" with sub-items like Student, Year, Sex, Birthdate, etc.), "Selected Columns" (showing "Student" and "Application Fact" with "Sex" and "Count" selected), and "Filters" (showing a list of filters). The "Filters" pane contains two filters: "Campus is equal to / is in DILIMAN" and "AND Academic Year is equal to / is in AY 2015-2016". The "AND" operator is highlighted in yellow. Two callout boxes provide instructions: one pointing to the filter list with the text "options to edit, copy and delete filters", and another pointing to the "AND" operator with the text "Click this operator to change conjunction (AND - OR)".

options to edit, copy and delete filters

Click this operator to change conjunction (AND - OR)

ANALYSIS EDITOR - RESULT

The screenshot displays the Oracle Business Intelligence Analysis Editor interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d07f6260. The Oracle Business Intelligence logo is visible at the top left, along with a search bar and navigation links like "Advanced", "Help", and "Sign Out". The user is signed in as "user_01".

The main workspace is titled "Untitled" and shows a "Results" tab. On the left, there is a "Subject Areas" tree with folders for "ST Application", "Student", "Campus", "Course", "Academic Year", "ST Bracket", "Application Type", and "Location". Below this is a "Catalog" section with a "List" dropdown set to "All" and folders for "My Folders" and "Shared Folders". At the bottom left, there is a "Views" section with a "Title" view.

The central area displays a "Command Layout" with a "Table" view. A callout box points to the "Table" view with the text: "Add style to the container". Another callout box points to the "Table" view with the text: "Edit View Properties. e.g. Table Style". A third callout box points to the table data with the text: "Data View Editor Tab".

Sex	Count
F	9723
M	7968
Undeclared	6265

At the bottom of the interface, there is a "Selection Steps" section.

DATA VIEW EDITOR

The screenshot displays the Oracle BI Answers Data View Editor interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d07f6260. The Oracle Business Intelligence logo is visible at the top left. The main interface includes a navigation bar with "Home", "Catalog", "Favorites", "Dashboards", "New", "Open", and "Signed In As user_01". Below this, there are tabs for "Criteria", "Results", "Prompts", and "Advanced". The "Results" tab is active, showing a table with the following data:

Sex	Count
F	9723
M	7968
Undeclared	6265
Grand Total	23956

A context menu is open over the table, with the "After" option selected. The menu options are: "None", "After", "Format Labels...", and "Format Values...". A red callout box with a white border points to the "Done" button in the top right corner of the table editor, containing the text "Click Done to save changes". The "Done" button is located next to the "Revert" button. The interface also shows a "Subject Areas" tree on the left, a "Catalog" section, and a "Layout" section with "Columns and Measures" and "Excluded" sub-sections.

ANALYSIS EDITOR - PROMPT

The screenshot displays the Oracle BI Answers Analysis Editor interface. A 'Select Column' dialog box is open, showing a tree view of columns under 'ST Application'. The 'Course Name' column is selected. A context menu is open over the 'New Inline Prompt' button, showing options: 'Column Prompt', 'Variable Prompt', 'Image Prompt', and 'More Columns ...'. A red callout bubble points to the 'New Inline Prompt' button, and another red callout bubble points to the 'Column Prompt' option in the menu. The background shows the 'Prompts' tab with a table for defining prompts.

Select Column

Columns

- ST Application
 - Student
 - Campus
 - Course
 - Campus Id
 - Course Code
 - Course Id
 - Course Name**
 - Academic Year
 - ST Bracket
 - Application Type
 - Location
 - Batch
 - Application Fact

New Inline Prompt

- Column Prompt
- Variable Prompt
- Image Prompt
- More Columns ...

Preview of the prompt

Criteria Results **Prompts** Advanced

Definition

Add prompts for users when they run this analysis.

Prompt Label
Page 1

Display

Page 1

OK Cancel

javascript:void(null)

ANALYSIS EDITOR - PROMPT

The screenshot displays the Oracle Business Intelligence Analysis Editor interface. The main window shows a table with columns for 'Description', 'Required', and 'New Column'. A 'New Prompt' dialog box is open, allowing configuration for a new prompt. The dialog fields are as follows:

- Prompt For Column: "Course"."Course Name"
- Label: Course Name
- Custom Label:
- Description: (empty text box)
- 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

The 'OK' button in the dialog is highlighted with a red arrow pointing to a callout box that reads "Preview of the prompt".

Preview of the prompt



PIVOT TABLE, GRAPHS AND OTHER VIEWS

Pivot Table View
Other Views
Graph Editor

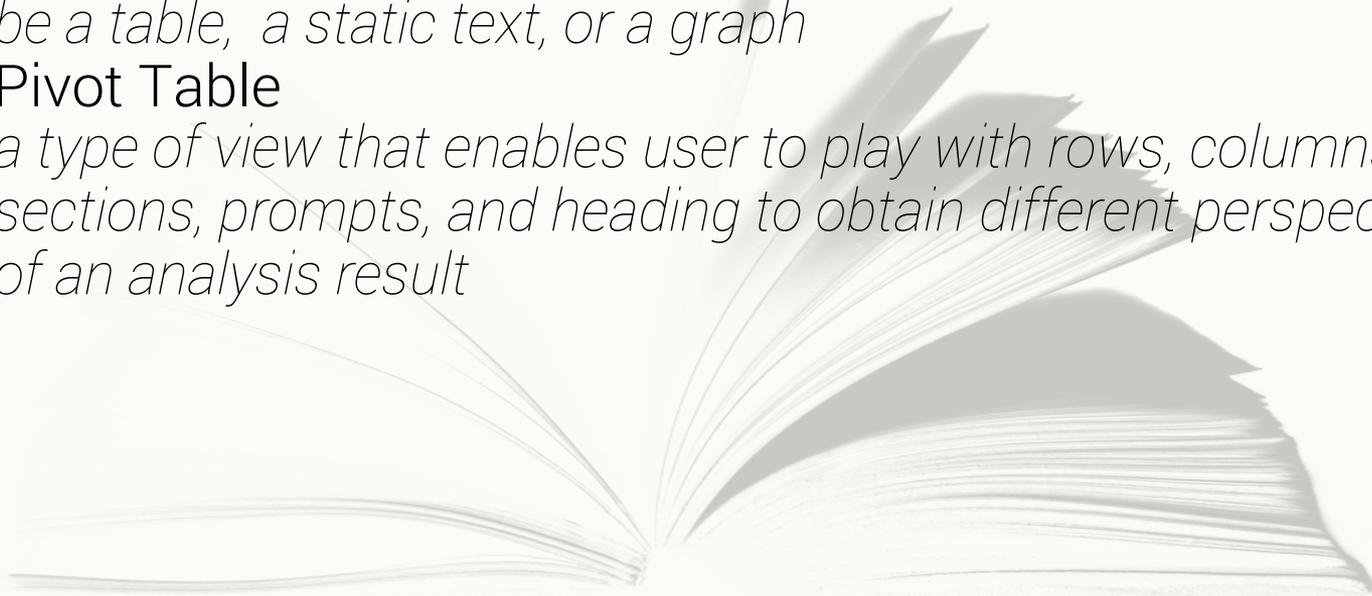
KEY TERMS

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

Add additional visual representation of data

The screenshot shows the Oracle BI Answers web interface. The browser tabs include 'Oracle BI Answers', 'OBIEE 11g: Exceeded confi...', 'Increase number of rows to ...', and 'DELIVER BI OBIEE 12c &a...'. The address bar shows '172.20.0.169' and 'tab150d0e4b8b0'. 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 interface is divided into several sections: 'Criteria', 'Results', 'Prompts', and 'Advanced'. The 'Results' section is active, showing a 'Compound Layout' with a table. The table has columns 'Sex' and 'Count' with the following data:

Sex	Count
F	9723
M	7968
Undeclared	6265
Grand Total	23956

Below the table, there are 'Selection Steps' and 'Other Views'. A dropdown menu is open, showing various visualization options: Bar, Line, Area, Pie (highlighted), Line-Bar, Time Series Line, Pareto, Scatter, Bubble, Radar, and Waterfall. The 'Views' section at the bottom left shows a 'Table' view selected.

VIEWS

The screenshot displays the Oracle Business Intelligence (BI) interface. The browser address bar 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 visible at the top. The interface includes a navigation pane on the left with "Subject Areas" (ST Application, Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, Application Fact) and "Catalog" (My Folders, Shared Folders). The main area shows a "Compound" view with a "Graph" titled "Count". The graph is a pie chart with three segments: dark blue (F), orange (M), and purple (Undeclared). A legend on the right identifies the segments. Three callout boxes 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 toolbar; and "Edit Graph Content" points to the graph itself.

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

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

Compound

Grand Total 23550

Graph

Count

Count

F
M
Undeclared

Selection Steps

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

Graph Properties. Format Style, Title and Labels

Edit Graph Content

CREATE A NEW ANALYSIS WITH THE FF. CRITERIA

The screenshot displays the Oracle Business Intelligence interface. The browser address bar shows the URL: `172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#criteriaTab150d179e49a`. The Oracle Business Intelligence logo is visible 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 panes:

- Criteria**: Includes tabs for "Criteria", "Results", "Prompts", and "Advanced".
- Subject Areas**: A tree view on the left showing the hierarchy: `ST Application` > `ST Bracket` > `Final Bracket Description`. A callout bubble points to `Location.Region` in this tree.
- Selected Columns**: A central pane showing columns from different subject areas: `Location` (with `Region` selected), `ST Bracket` (with `Final Bracket Description` selected), and `Application Fact` (with `Count` selected). Callout bubbles identify `ST Bracket.Final Bracket Description` and `Application Fact.Count`.
- Filters**: A pane at the bottom showing a filter: `Application Status Description is not equal to / is not in Draft`. A callout bubble at the bottom of the image points to this filter.

Instructions in the Selected Columns pane state: "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, format, filters, apply sorting, or delete by clicking on the delete button." Instructions in the Filters pane state: "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."

PIVOT TABLE VIEW

The screenshot shows the Oracle BI Answers interface. The browser address bar displays the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9. The Oracle Business Intelligence logo is visible at the top left. The main content area shows a pivot table view with the following data:

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
CORDILLERA ADMINISTRATIVE REGION (CAR)	Full Discount	17
	Full Discount w/ Stipend	2
	No Discount	20
	Partial Discount 30%	153
NATIONAL CAPITAL REGION (NCR)	Partial Discount 60%	220
	Partial Discount 80%	77
	Full Discount	93
	Full Discount w/ Stipend	26
	No Discount	866
	Partial Discount 30%	2667
	Partial Discount 60%	2811

Three callout boxes are present:

- Default Table View**: Points to the 'Table' icon in the Views pane.
- Add a Pivot Table View**: Points to the 'Pivot Table' icon in the Table toolbar.
- Delete the Default Table View**: Points to the 'X' icon in the Table toolbar.

PIVOT TABLE VIEW

PivotTable View

Edit a Pivot Table View

Region	Full Discount	Full Discount w/ Stipend	No Discount	Partial Discount 30%	Partial Discount 60%
	Count	Count	Count	Count	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

Selection Steps

- Title
- Table

PIVOT TABLE

Oracle BI Answers

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

ORACLE Business Intelligence

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

Region

Region	Full Discount w/ Stipend	No Discount	Partial Discount 30%	Partial Disc 60%
AUTONOMOUS REGION TN MI SI TN 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

Measures

- Application Fact

Rows

- Location

Selection Steps

Editing from: "Compound Layout" Done Revert

Add Summation of Count on Columns

Add Summation of Count on Rows

To Hide Measure Label

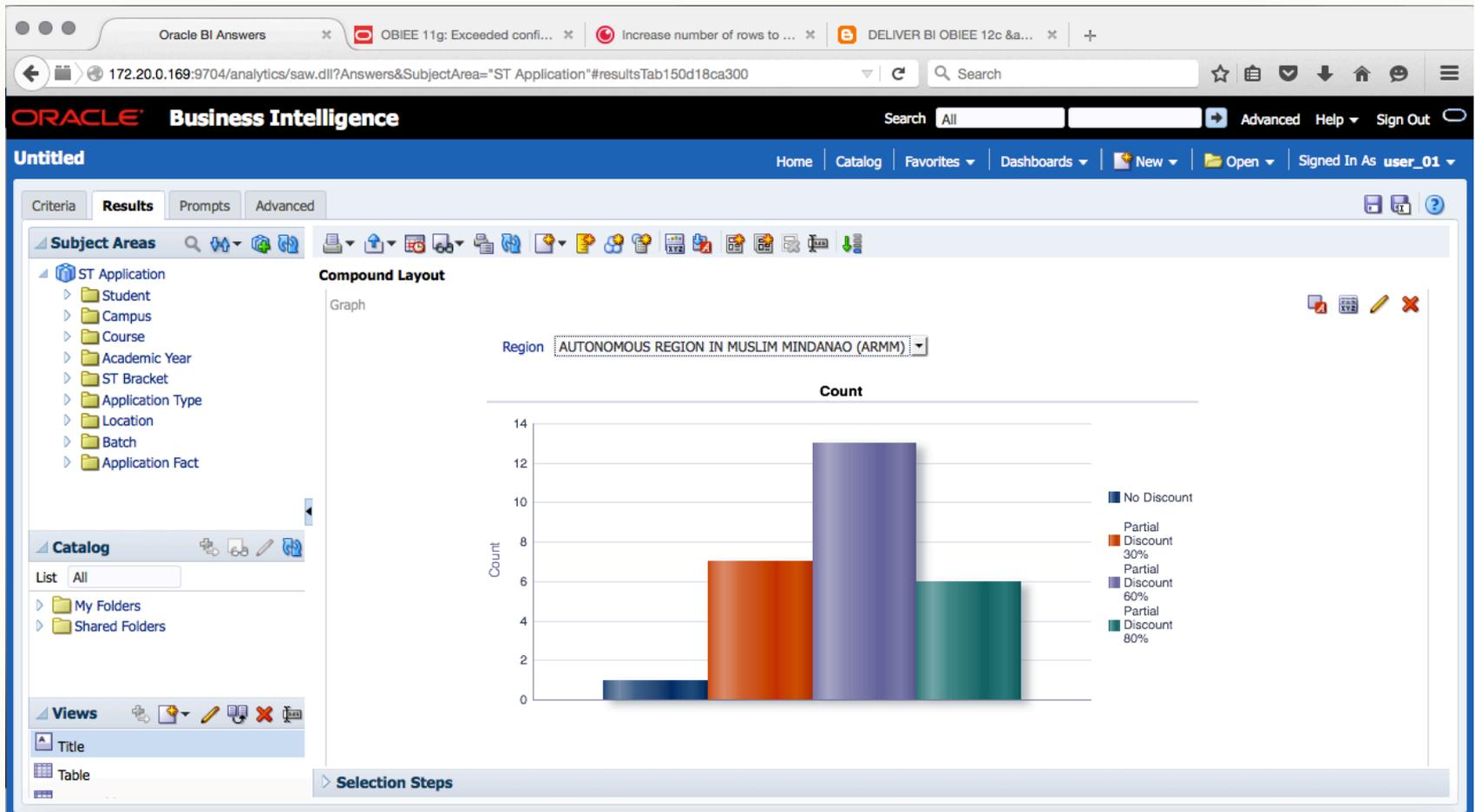
PIVOT TABLE

The screenshot displays the Oracle Business Intelligence (BI) interface. The browser address bar shows the URL: `172.20.0.169:9704/analytics/saw.dll?Answers&SubjectArea="ST Application"#resultsTab150d180bed9`. The Oracle BI logo and "Business Intelligence" text are visible at the top. The main content area shows a pivot table titled "Compound Layout" with the following data:

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

The interface also shows a left-hand navigation pane with "Subject Areas" (ST Application, Student, Campus, Course, Academic Year, ST Bracket, Application Type, Location, Batch, Application Fact) and "Catalog" (List: All, My Folders, Shared Folders). The "Views" section is currently set to "Table".

PIVOT TABLE WITH GRAPH





DASHBOARDS AND ADVANCED FEATURES

- Dashboards
- Tools Toolbar
- Dashboard Prompts
- Advanced Features

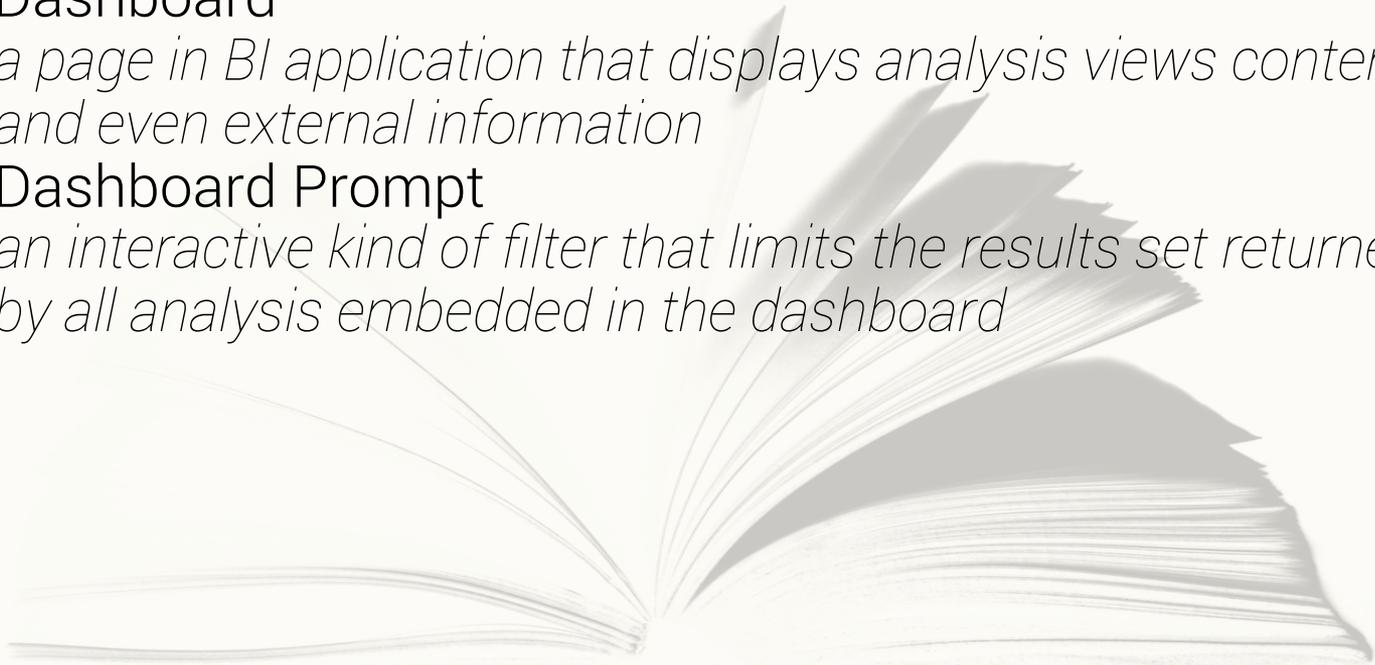
KEY TERMS

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 (BI) web interface. At the top, the browser address bar shows the URL `172.20.0.169:9704/analytics/saw.dll?bieehome`. The Oracle BI logo and "Business Intelligence" text are visible in the header. The main navigation bar includes "Home", "Dashboards", "New", "Open", and "Signed In As user_01".

A dark red callout box with the text "New Dashboard" is positioned over the "New" button in the navigation bar. A red arrow points from this callout to the "New Dashboard" dialog box, which is open in the center of the screen. The dialog box contains the following fields and options:

- Name:** A text input field.
- Description:** A text input field.
- Location:** A dropdown menu currently showing `/users/user_01`.
- Content:** Two radio buttons: Add content now and Add content later (Create empty dashboard).
- Buttons:** "OK" and "Cancel" buttons at the bottom right.

On the right side of the interface, a "Dashboards" menu is open, showing a tree view of content categories:

- 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

At the bottom left of the browser window, the text `javascript:void(null)` is visible.

DASHBOARD

The image shows a screenshot of the Oracle Business Intelligence dashboard editor interface. The browser address bar shows the URL: 172.20.0.169:9704/analytics/saw.dll?EditDashboard&PortalPath=%2Fusers%2Fuser_01%2FST Application Dashboard. The Oracle Business Intelligence logo is visible 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:

- Dashboard Objects:** A list of objects available for drag-and-drop, including Column, Section, Alert Section, Action Link, Action Link Menu, Link or Image, Embedded Content, Text, and Folder. A callout points to this list.
- Catalog Pane:** A section showing My Folders and Shared Folders. A callout points to this pane.
- Dashboard Tools Toolbar:** A toolbar with icons for Preview, Run, and other actions. A callout points to this toolbar.
- Page Layout Drag objects here:** A large light blue area with the text "Drop Content Here" in the center, intended for placing dashboard objects. A callout points to this area.

DASHBOARD

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 Oracle Business Intelligence logo is at the top left, and the user is signed in as `user_01`. The dashboard is titled "ST Application Dashboard" and is currently in "page 1" edit mode. The interface includes a search bar, navigation tabs (Home, Catalog, Favorites, Dashboards), and action buttons (New, Open, Preview, Run). The main workspace is divided into "Column 1" containing two sections: "Section 1" and "Section 2". "Section 1" contains a "Sex-Count Analysis Compound View", and "Section 2" contains a "Region-Bracket-Count Analysis Compound View". A left-hand navigation pane lists "Dashboard Objects" (Column, Section, Alert Section, Action Link, Action Link Menu, Link or Image, Embedded Content, Text, Folder) and "Catalog" (My Folders, Subject Area Contents, My Dashboard, ST Application Dashboard, Region-Bracket-Count Analysis, Sex-Count Analysis, Shared Folders). Red arrows indicate the mapping from the catalog items to the dashboard views: "Sex-Count Analysis" in the catalog points to the "Sex-Count Analysis Compound View" in Section 1, and "Region-Bracket-Count Analysis" in the catalog points to the "Region-Bracket-Count Analysis Compound View" in Section 2.

CREATING A DASHBOARD PROMPT

The screenshot shows the Oracle Business Intelligence interface for editing a dashboard. The browser address bar indicates 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, there is a "Dashboard Objects" list with items like Column, Section, Alert Section, Action Link, etc., and a "Catalog" section with folders like "My Folders" and "Shared Folders".

A dark red callout box with the text "New Dashboard Prompt" points to a dropdown menu in the top right corner. This menu is titled "Analysis and Interactive Reporting" and includes options: Analysis, Dashboard, Filter, **Dashboard Prompt**, Condition, and Mobile Application.

A second dark red callout box with the text "Select a subject area" points to a dialog box titled "Select Subject Area". This dialog lists four subject areas, each with a gift icon: **ST Application**, **ST Income Data**, **ST Mores Data**, and **ST Sibling Data**. At the bottom of the dialog, there are options for "Segment Tree" and "List Format".

At the bottom left of the browser window, the text `javascript:void(null)` is visible.

DASHBOARD PROMPT

The screenshot shows the Oracle BI Answers configuration interface. At the top, the browser address bar displays the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&Action=DashboardPrompt&SubjectArea="ST Application". The Oracle Business Intelligence logo is visible in the top left. The main content area is titled "Definition" and contains the instruction: "Add prompts for users when they run this analysis." Below this is a table with the following data:

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"/>

Below the table is the "Display" section, which shows three dropdown menus for "Academic Year", "Campus", and "Course Name", each with "--Select Value--" selected. A red callout bubble with the text "Add Prompt" points to a plus sign icon in the toolbar above the table. Another red callout bubble with the text "Academic Year, Campus and Course Name" points to the three dropdown menus in the "Display" section.

DASHBOARD PROMPT

The screenshot shows the Oracle Business Intelligence dashboard editor interface. The browser address bar displays the URL: `172.20.0.169:9704/analytics/saw.dll?EditDashboard&PortalPath=%2Fusers%2Fuser_01%2FST Application Dashboard`. The Oracle Business Intelligence logo is visible at the top left, and the page title is "ST Application Dashboard".

The dashboard layout includes a left sidebar with "Dashboard Objects" and "Catalog" sections. The "Dashboard Objects" list includes: Column, Section, Alert Section, Action Link, Action Link Menu, Link or Image, Embedded Content, Text, and Folder. The "Catalog" section shows a tree structure with "My Folders", "Subject Area Contents", "My Dashboard", "ST Application Dashboard", "AY-Campus-Course Prompt", "Region-Bracket-Count Analysis", "Sex-Count Analysis", and "Shared Folders".

The main dashboard area is divided into sections: "Section 3" (top), "Section 1" (middle), and "Section 2" (bottom). "Section 3" contains a prompt object labeled "AY-Campus-Course Prompt" with a "[ab]" icon. "Section 1" and "Section 2" contain other analysis objects, including "Region-Bracket-Count Analysis".

A red arrow points from the "AY-Campus-Course Prompt" object to a context menu. The context menu is open and displays the following options: "Display Results", "Report Links...", "Show View", "Rename...", and "Edit Analysis".

A red speech bubble with white text is overlaid on the dashboard, stating: "Make the analysis listen to the Dashboard Prompt".

DASHBOARD PROMPT

The screenshot shows the Oracle BI Answers interface. At the top, the browser address bar displays the URL: 172.20.0.169:9704/analytics/saw.dll?Answers&Path=%2Fusers%2Fuser_01%2Fsex-count-analysis&portalPath=%2F. The Oracle BI Answers logo is visible, along with 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 'Sex-Count Analysis' and includes tabs for Criteria, Results, Prompts, and Advanced. A 'Filters' section is expanded, showing three active filters: 'Academic Year is prompted', 'AND Campus is prompted', and 'AND Course Name is prompted'. A dark red speech bubble is overlaid on the left side of the interface, containing the text: 'Academic Year, Campus and Course Name are prompted'. The footer of the page reads 'ST Application Dashboard: page 1 > Sex-Count Analysis'.

ADVANCED FEATURES

1. Map View

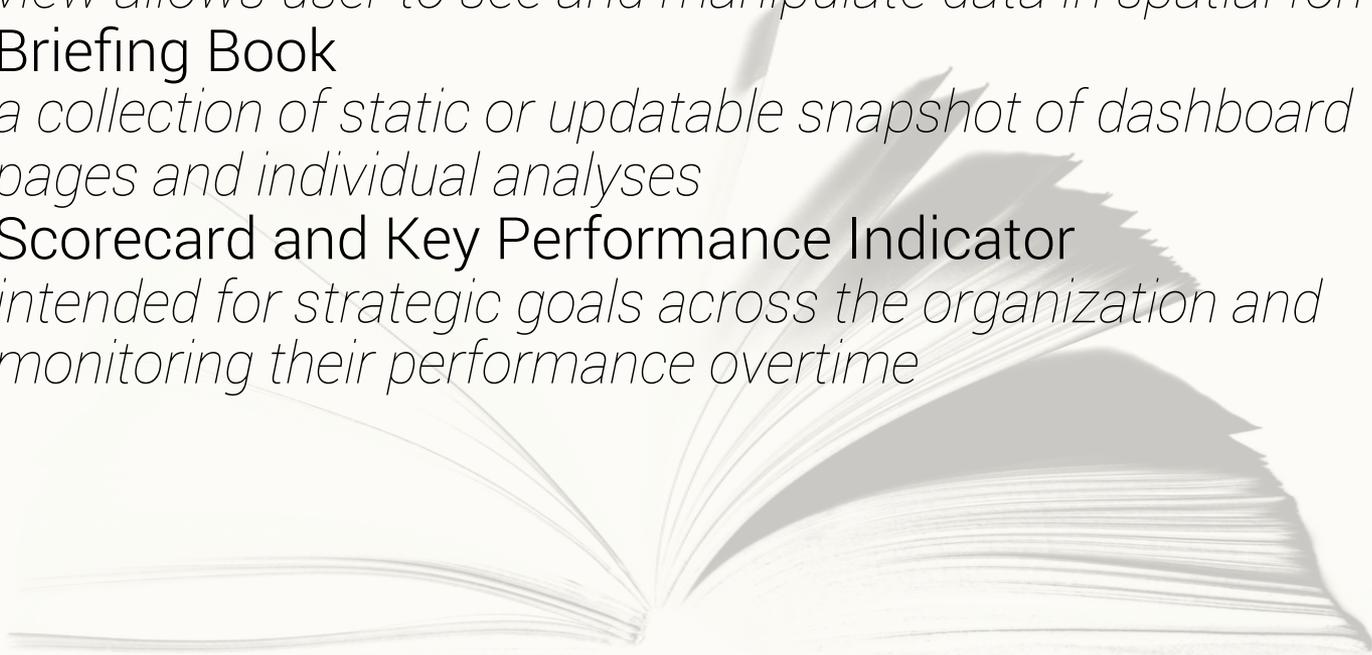
a way of presenting Analysis results in a context of a map. this view allows user to see and manipulate data in spatial form.

2. Briefing Book

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

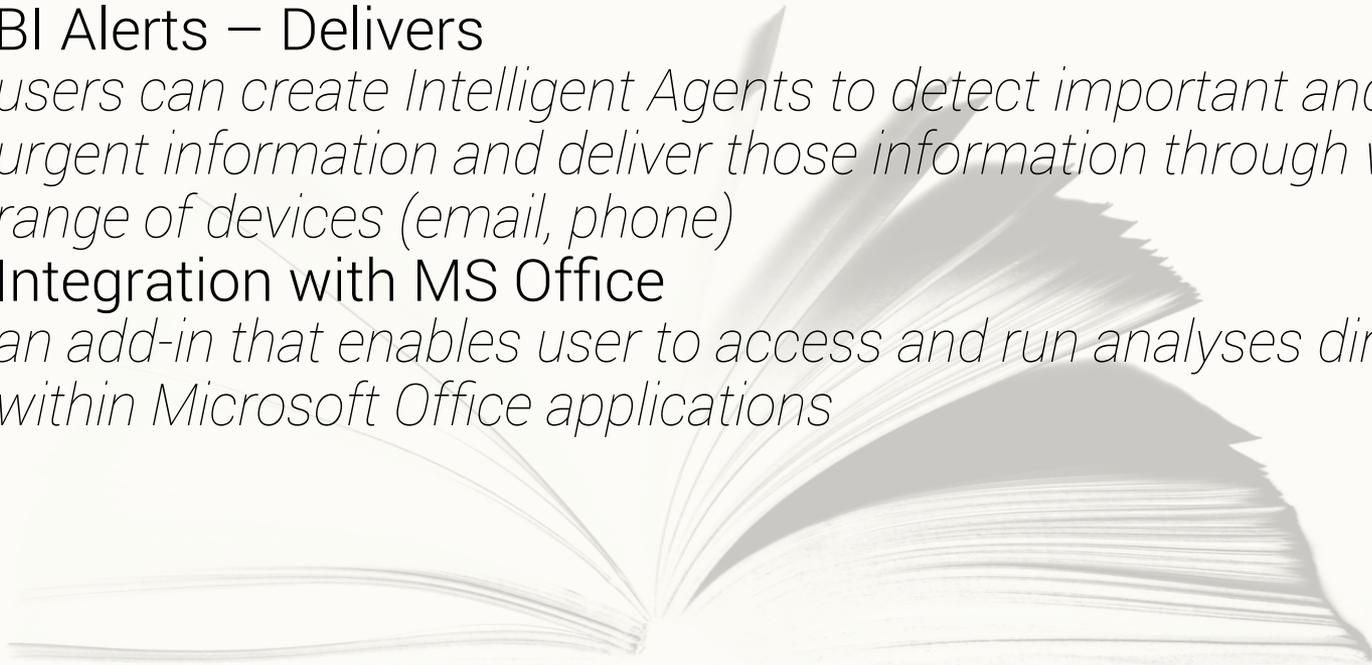
3. Scorecard and Key Performance Indicator

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



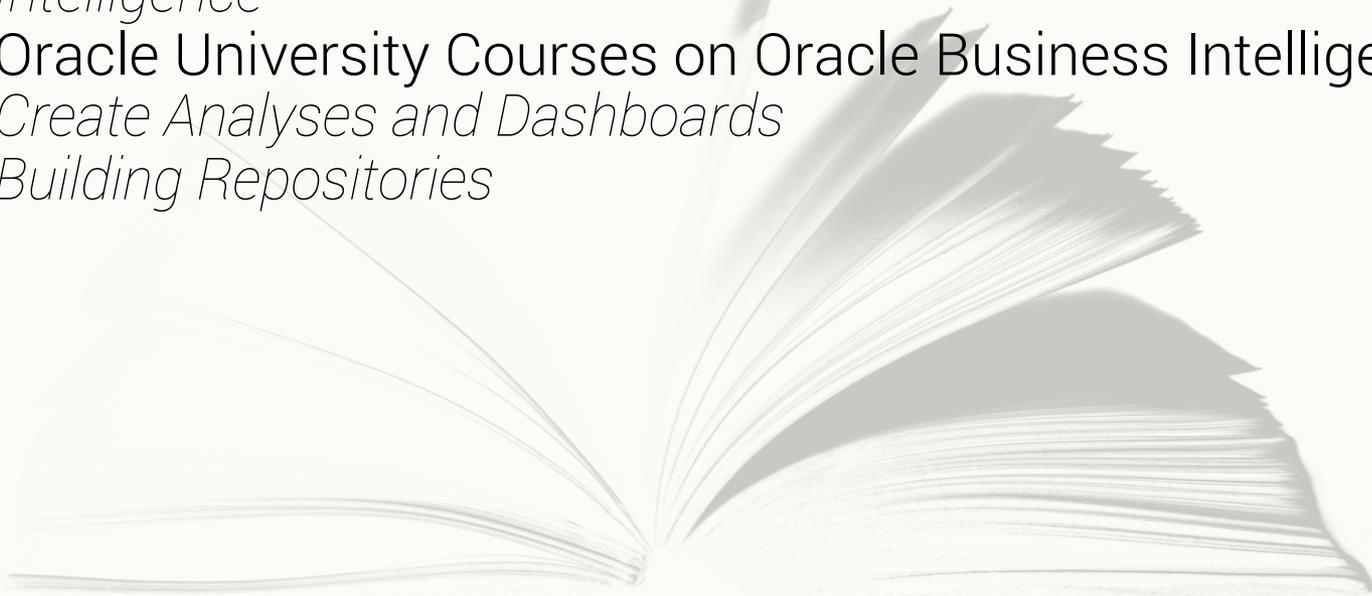
ADVANCED FEATURES

- 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



PRESENTER

Ryan Steven D. Caro

Systems Analysts

Executive Information System - eUP Project

University of the Philippines

rdcaro@up.edu.ph





THANK YOU!

