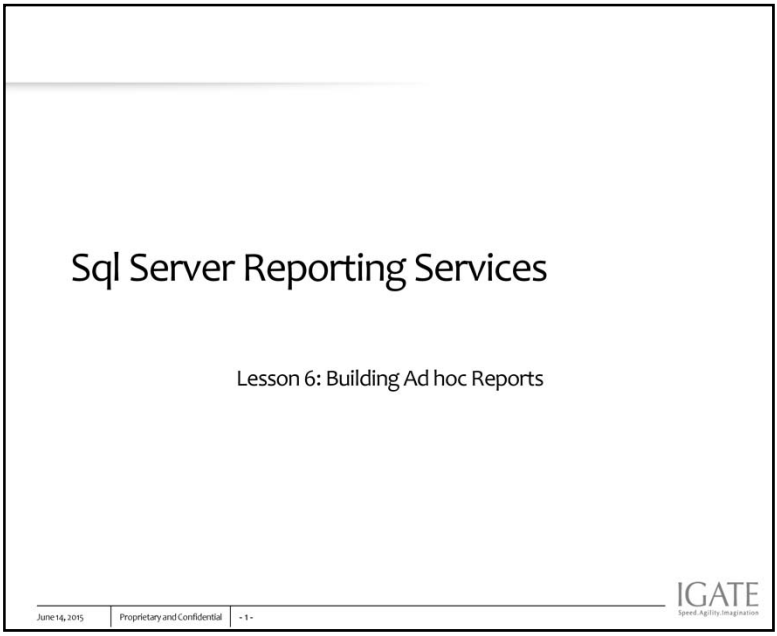
Sql Server Reporting Services
Lesson 6: Building Ad hoc Reports
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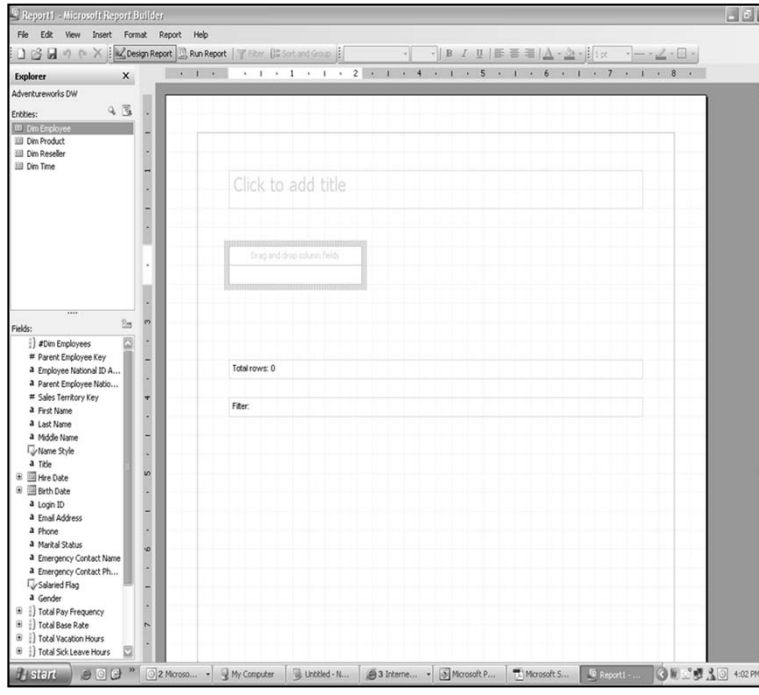
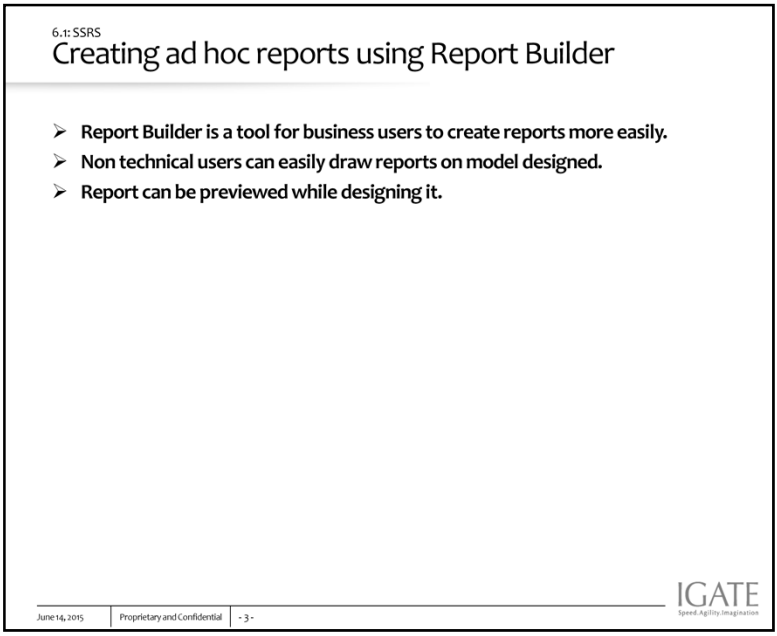
Lesson Objectives

- Creating ad hoc reports using Report Builder
- Creating a table report
- Creating matrix report
- Creating chart reports
- Formatting a report
- Adding formulae
- Filter the report
- Sorting data




6.1: SSRS
Creating ad hoc reports using Report Builder
Report Builder is a tool for business users to create reports more easily.
Non technical users can easily draw reports on model designed.
Report can be previewed while designing it.
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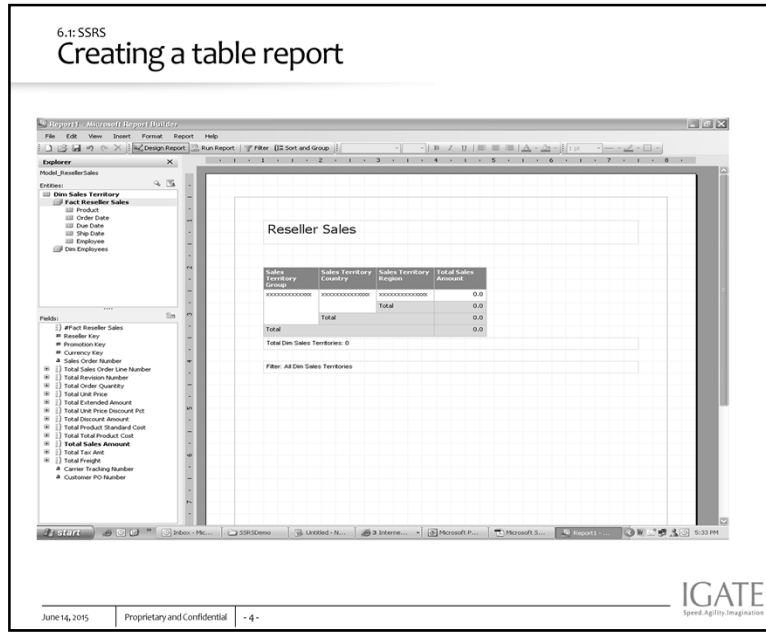
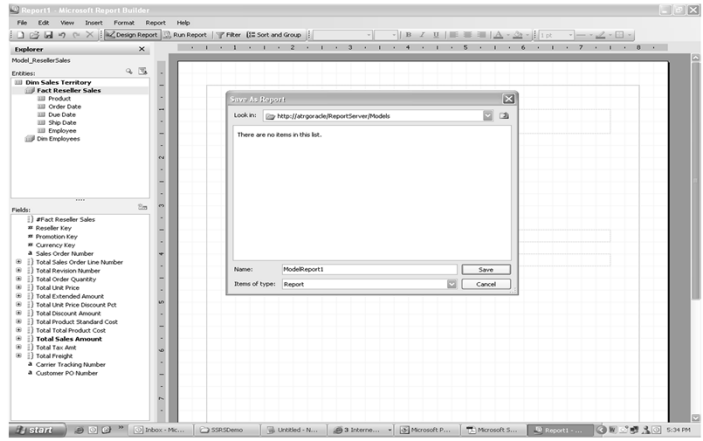


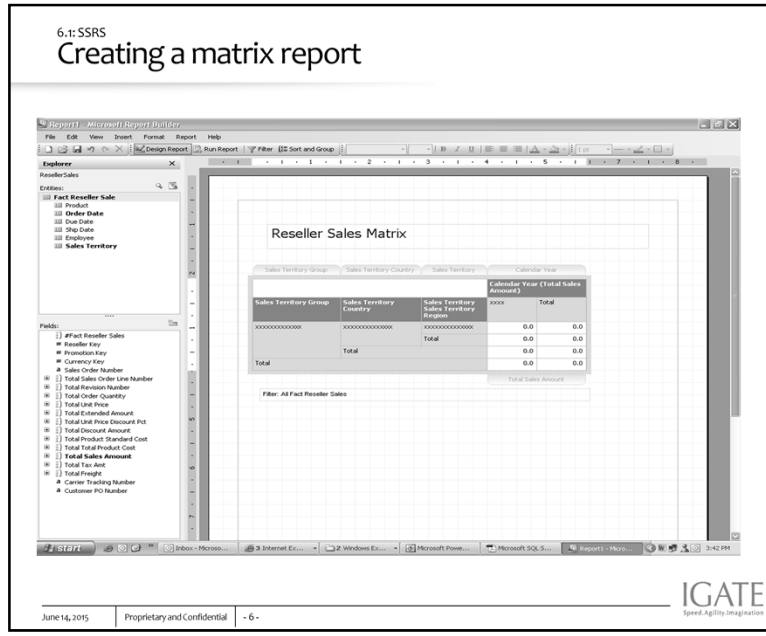
To create table report:

1. Select Report builder and choose for table report as the radio option button.
2. In the Entities list, select Reseller Sales.
3. Drag & drop Sales Territory Group, Sales Territory Country & Sales Region from the Fields list on report.
4. In the Fields list, expand Total Sales Amount to select related fields.
5. Drag Avg Sales Amount from Fields list & drop it on the report.
6. Add report title as 'Reseller Sales'.
7. Save & run the report.

6.1: SSRS

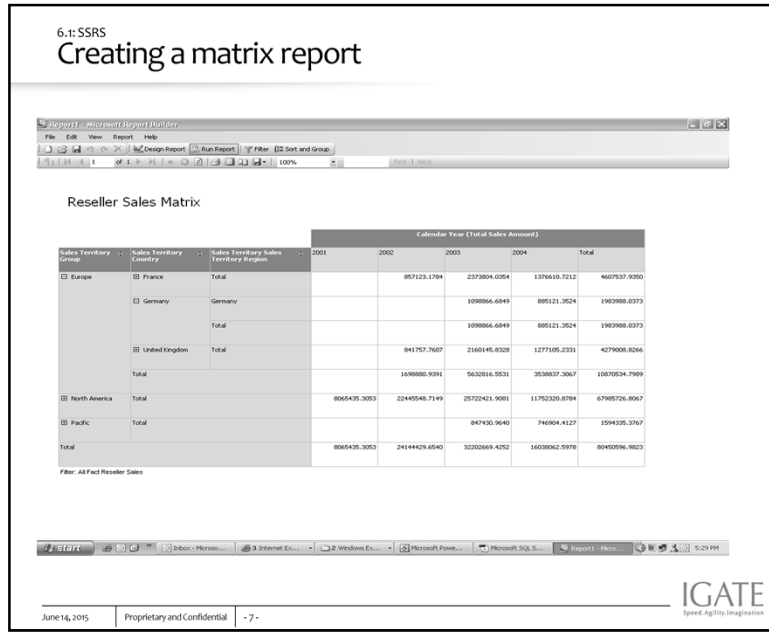
Creating a table report





To create matrix report:

1. Create report as matrix layout.
2. Name the report as Matrix Report.
3. In Entities list, select Sales Territory, drag & drop Sales Territory Group, Sales Territory Country & Sales Region from the Fields list in Row Groups.
4. Select Order Date from Entities list, select Calendar Year from Fields list & drop it in Column Groups.
5. In the Fields list, expand Total Sales Amount to select related fields.
6. Select Total Sales Amount from Fact reseller sales entities list & drop it in values tab.
7. Save & Run the report.


6.1: SSRS
Creating a matrix report
Report1 - Microsoft Report Builder
File Edit View Report Help
Design Report Run Report Filter Sort and Group
Reseller Sales Matrix
Calendar Year (Total Sales Amount)
Sales Territory Group
Sales Territory Country
Sales Territory Sales Territory Region
2001 2002 2003 2004 Total
Europe France Total 857123.1784 2373804.0354 1376610.7212 4607537.9350
Germany Germany 1098866.6849 885121.3524 1983988.0373
Total 1098866.6849 885121.3524 1983988.0373
United Kingdom Total 841757.7607 2160145.8328 1277105.2331 4279008.8266
Total 1698880.9391 5632816.5531 3538037.3067 10870534.7989
North America Total 8065435.3053 22445548.7149 25722421.9081 11752320.8784 67985726.8067
Pacific Total 847430.9640 746904.4127 1594335.3767
Total 8065435.3053 24144429.6540 32202669.4252 16038062.5978 80450596.9823
Filter: All Fact Reseller Sales
start
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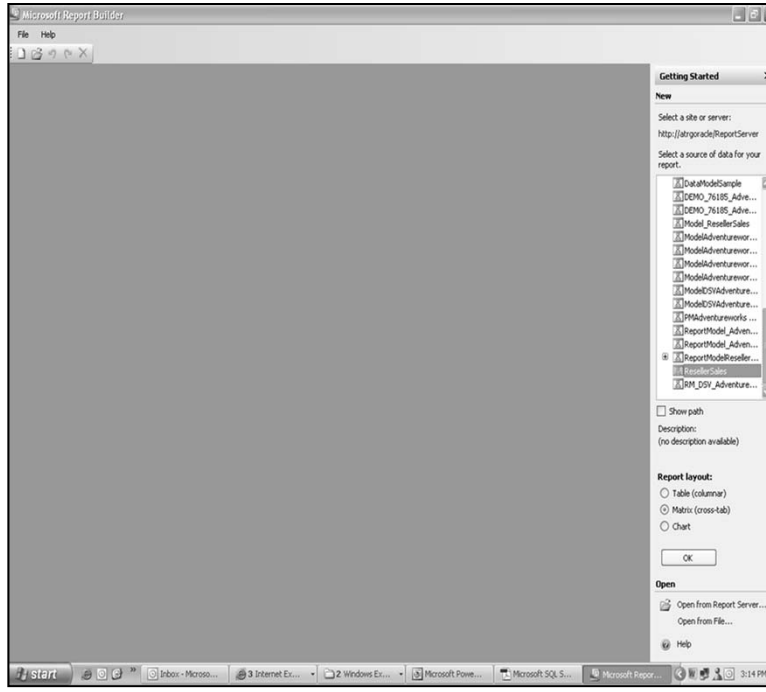
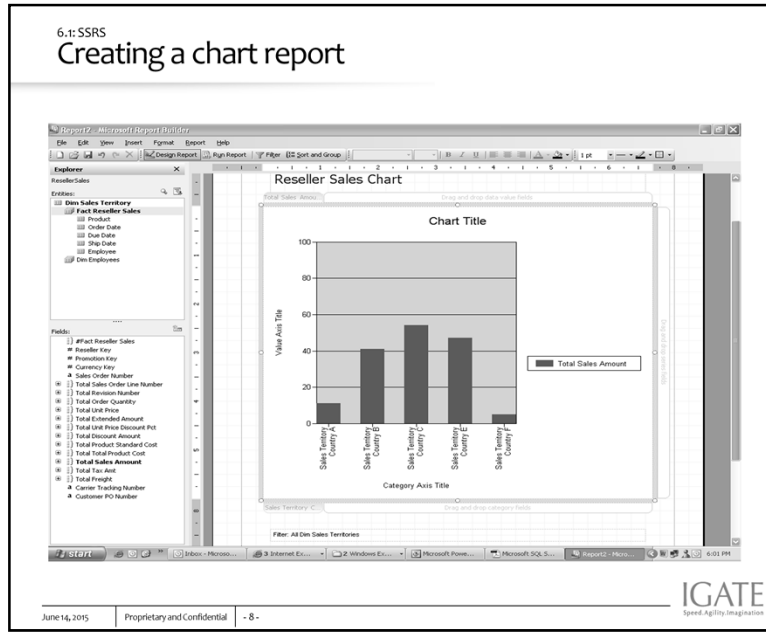
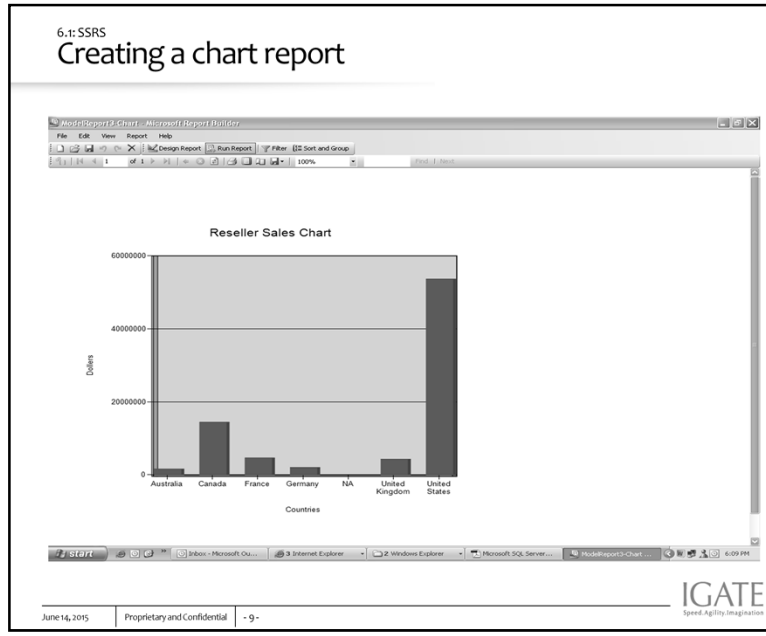
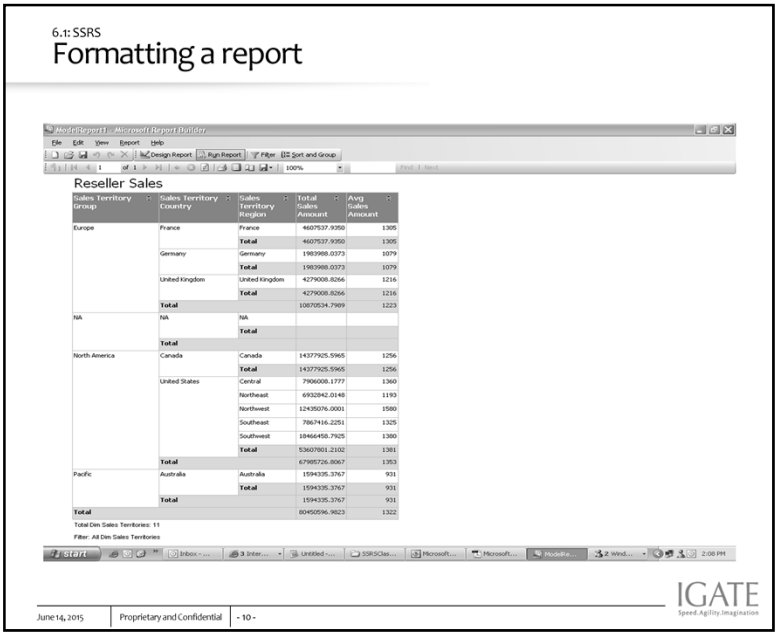

Microsoft Report Builder
File Help
Getting Started
New
Select a site or server:
http://atrgoracle/ReportServer
Select a source of data for your report.
DataModelSample
DEMO_76185_Adve...
DEMO_76185_Adve...
Model_ResellerSales
ModelAdventurewor...
ModelAdventurewor...
ModelAdventurewor...
ModelAdventurewor...
ModelDSVAdventure...
ModelDSVAdventure...
PMAdventureworks ...
ReportModel_Adven...
ReportModel_Adven...
ReportModeReseller...
ResellerSales
RM_DSV_Adventure...
Show path
Description:
(no description available)
Report layout:
Table (columnar)
Matrix (cross-tab)
Chart
OK
Open
Open from Report Server...
Open from File...
Help
start
Inbox - Microso...
3 Internet Ex...
2 Windows Ex...
Microsoft Powe...
Microsoft SQL S...
Microsoft Repor...
3:14 PM



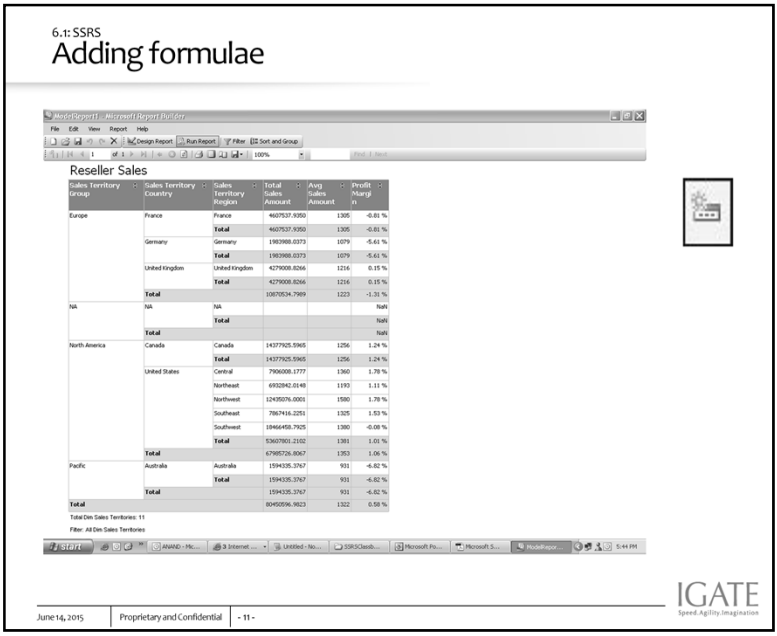
1. To create chart report:
2. Click on File, New. Select Report Layout as Chart & click OK.
3. Title the report as 'Reseller Sales Chart'.
4. Click on chart to display data regions to drop fields on it.
5. From Entities list, select Sales Territory, drag & drop Sales Territory Country to Category field.
6. Drag & drop Total Sales Amount from Fields list to Data Value Fields.
7. Save & Run the report.



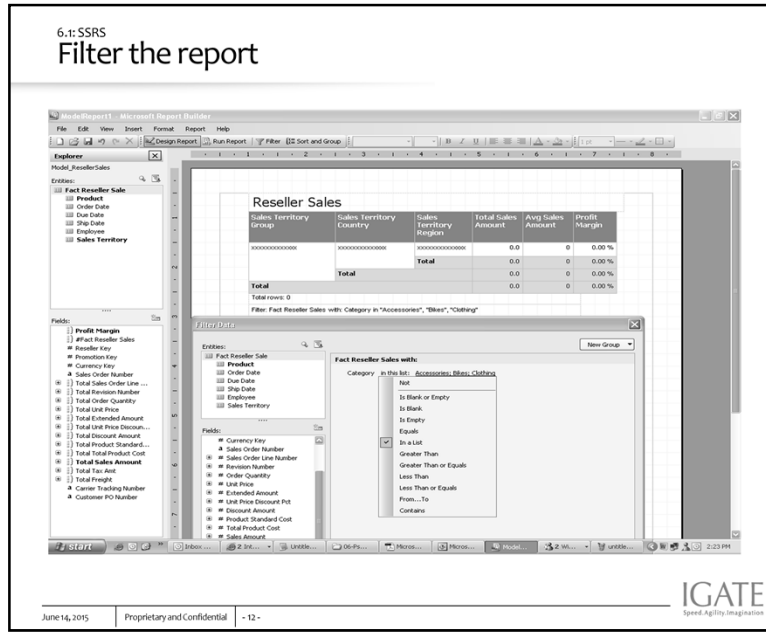
1. To format a graph with 3-D effect:
2. Open the existing chart report.
3. Select chart area, right click, select Chart Options.
4. Select Title tab, provide the chart title. Change Category title of X axis to Countries & Value title of Y axis to Dollars.
5. Select Legend tab, uncheck show legend check box.
6. For 3-D effects, go to 3-D effect tab, check the check box for Display chart with 3-D effect.
7. Assign following values to respective properties viz, Horizontal – 5 degree, Vertical – 0, Perspective – 0%, Wall thickness – 10%.
8. Click OK.



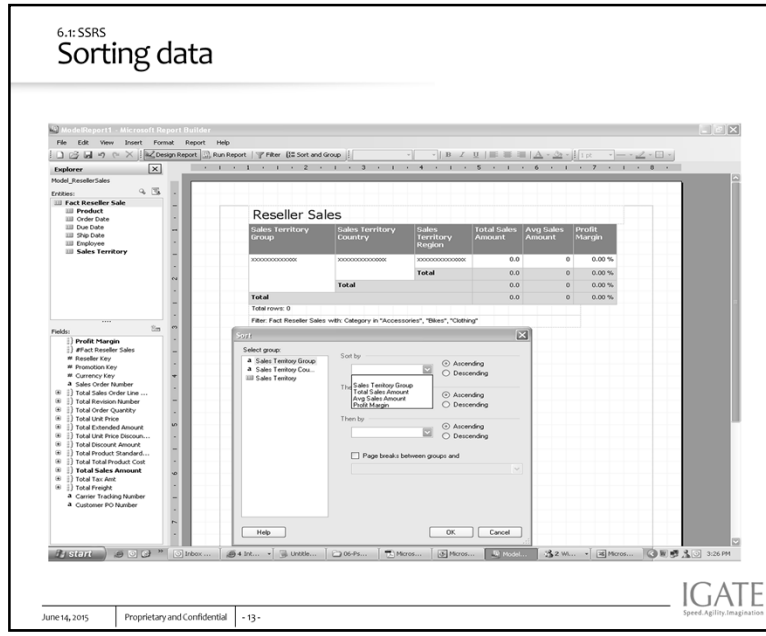
1. To format a chart:
2. Open the existing tabular report.
3. Add Avg Sales Amount to the report.
4. Select Total cell & select format.
5. Change text alignment property for Horizontal to Center & Vertical to Middle.
6. Change font size to 12 & font type to Bold.
7. Select Border tab, for presets, choose outline option.
8. For Fill tab, select option as 'Light ocean'.
9. Select Avg Sales Amount, right click & select format, select Number tab.
10. Select Defined Format as 1234.56 & change Decimal Places to 0.
11. Click OK.
12. Save & Run the report.



1. To add formula fields:
2. Open existing report.
3. Click Design Report.
4. Click on New Field Button.
5. In Define Formula dialog box, name the text box as 'Profit Margin'.
6. Select the formula for fields as sum(SalesAmount – TotalProductCost) / Sum(SalesAmount)
7. Click on OK.
8. Drag Total Product Cost, Avg Sales Amount & Profit margin to the report.
9. Change the format of Profit Margin to 1,234.56% & click OK.
10. Save & Run the report.



1. To add filter on report:
2. Open the report.
3. Click on Design Report.
4. Select Filter option on toolbar.
5. Filter dialog box appears. Select Fact Reseller Sales from Entities.
6. Select Product from Entities & select Category from Fields list.
7. Dialog box appears for Filter criteria. Select operator as 'In List' and choose values from available list of Category.
8. Click OK.
9. Save & Run the report.



1. To sort data on report:
2. Open an existing report.
3. In Design report, click on Sort and Group tab.
4. In Sort dialog box, select Group as Sales Territory Group, select Ascending order in radio button.
5. Multiple sorts can be applied using next options for Then by & select the sorting column from the list.
6. Click OK.
7. Save & Run the report.

Summary

- Business users can easily create ad hoc reports using Report Builder.
- Ad hoc reports are available in table, matrix and chart layout.
- Filtering, Sorting, formula can be applied on reports.
- Default drill through option is available with report builder.