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Business Intelligence Ass-2

Problem statement : Authoring Reports with IBM Cognos Business Intelligence

Introduction : In this practical we will be studying and understanding the different types of Authoring reports Steps for Execution :

Step 1 : Log in to your IBM Cognos Account.

Step 2 : Click on the top right corner and select New, select report.

Step 3 : In Insertable Objects (the first palette) right next to find, click on the "+" sign to add a data source. I have taken the "Banking Loss events" database available in "Sample".

Step 4 : Once the data source has been added, on the top of the screen click on "Reports" and create a new page. Drag and drop the data source on the page space.

Step 5 : Click on page preview on the top right corner of the screen. A table structure will be displayed on screen which is in the form of a list, as shown in the output. (1st Screenshot)

Step 6 : Create another page and in "Insertable Objects" select "Toolbox" and select the "Crosstab" option. Now drag and drop any 2 attributes onto the page.

Step 7 : I have dragged "Business" as column attribute and "Estimated Gross Loss" as row attribute from the dataset. Click on page preview on the top right corner of the screen and the "Crosstab" for this dataset is shown in the output. (2nd Screenshot)

Step 8 : Create another page and in "Insertable Objects" select "Toolbox". From "Toolbox", select the "Visualization" option and select "Maps" .

Step 9 : Now since it's a world map, we need to drag "Regions" in "location" tab and any numerical value in "Location Extrusion height". Click on page preview on the top right corner of the screen to see the results.

Step 10 : I have dragged "Region" and "Estimated Gross Loss" attributes to "Location" and "Location Extrusion height". The "Map" for this dataset is shown in the output. (3rd Screenshot)

Output :

1. The below given image shows the List report for a Banking dataset.

Region	Business	Name	Status	Risk Category	Risk Sub Category	Discovery Date	Occurrence Start Date	Year	Net Loss	Recovery Amount	Estimated Gross Loss	Recovery Amount (Percent)
EMEA	Retail Brokerage	LE-06-2	Under Review	Clients, Products and Business Practices	Product Flaws	1 Jan 2013	2 Jan 2013	2013	£296,555.27	£83,035.48	£291,100.00	28
North America	Retail Brokerage	LE-06-7	Approved	Clients, Products and Business Practices	Advisory Activities	16 Jan 2013	19 Jan 2013	2013	£321,307.50	£70,687.65	£321,700.00	22
North America	Retail Banking	LE-06-8	Not Started	External Fraud	Theft and Fraud	19 Jan 2013	22 Jan 2013	2013	£255,901.68	£53,739.35	£257,500.00	21
North America	Retail Banking	LE-06-13	Rejected	Business Disruption and System Failures	Infrastructure and Systems	8 Feb 2013	11 Feb 2013	2013	£50,246.97	£18,591.38	£60,200.00	37
North America	Commercial Banking	LE-06-21	Not Started	Execution, Delivery and Process Management	Transaction/Data Management	23 Feb 2013	26 Feb 2013	2013	£600,346.33	£174,100.44	£610,400.00	29
North America	Retail Banking	LE-06-23	In Progress	External Fraud	Theft and Fraud	25 Feb 2013	27 Feb 2013	2013	£5,868.33	£2,288.65	£5,800.00	39
North America	Retail Banking	LE-06-27	In Progress	Execution, Delivery and Process Management	Customer Intake and Documentation	7 Mar 2013	8 Mar 2013	2013	£95,360.08	£28,608.02	£109,100.00	30
North America	Agency Services	LE-06-30	Approved	Execution, Delivery and Process	Trade Counterparties	13 Mar 2013	14 Mar 2013	2013	£161,417.86	£43,582.82	£174,500.00	27

2. The below given image shows the Crosstab reports for a Banking dataset.

	Retail Brokerage	Commercial Banking	Corporate Finance	Retail Banking	Trading and Sales	Agency Services	Asset Management
Estimated Gross Loss	£346,072.73	£677,266.15	£7,109,740.00	£150,451.29	£519,835.56	£492,795.65	£377,337.50

3. The below given image shows the Map report for a Banking dataset.

Here, the locations are based on the column Region, the location colour is based on Net Loss and the location extrusion height is based on Estimated Gross Loss.