

# TBM Business Intelligence

## Cognos BI - Mini Project

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Degree :- B.Tech CSE

Department :- DS (AI)

Year / Batch :- and year / 2020

Title :- Banking Loss Events Around World.

# Ognos BI - Mini Project

## Banking Loss events Around World

Data Module :-

Data Det :-

→ Banking Loss Events around world

↳ 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)

Work flow :-

Implementation in Works :-

Step 1 :-

Used a new report theme  
with plain design.

Step 2 :-

A block is used, A text item  
is inserted in block. To name  
"using visualization".

Step 3 :-

Row header with "Net loss over  
a year by a religion"

Step 4 :-

A line graph of visualization  
is added with data.

Step 5:-

Using a block , a text item  
is used to add " Using Crossstab ,

Step 6:-

In row Header , " Net loss by  
risk category " is used

Step 7:-

In Crossstab , data are feeded ,  
Total values are in output , with  
the year only of (2015, 16, 17, 18, 19, 20).

Step 8:-

Block is used , inside a text item  
is used to highlight " Using ~~Crossstab~~ Lists "

Step 9:-

lists data are feeded.

Step 10 :-

Block is used , inside test item  
is used for highlighting "Using Tables"

Step 11 :-

$2 \times (2 \times 2)$  tables are used  
to show the results in visualization.

Step 12 :-

Footer is used.

sa1.ca.analytics.ibm.com/bi/?perspective=authoring&id=i0FB2202C65D84AA2A18E86BB8C2D04C3&objRef=i0FB2202C65D84AA2A18E86BB8C2D04C3&action=edit&cmPropSt...

IBM Cognos Analytics with Watson \* New report more original 20 Search content

Edit Page design Properties

Insertable objects

Find

Banking loss events  
Banking Loss Events

Banking Loss events

Net Toss Over a year by a region

USING VISUALIZATION

Text items

CONDITIONALS

Style variable

Render variable

Text source

TEXT SOURCE

Source type

Text

DATA

Data format

Drill-through

GENERAL

Maximum character length

BOX

Border

Padding

Margin

Box type

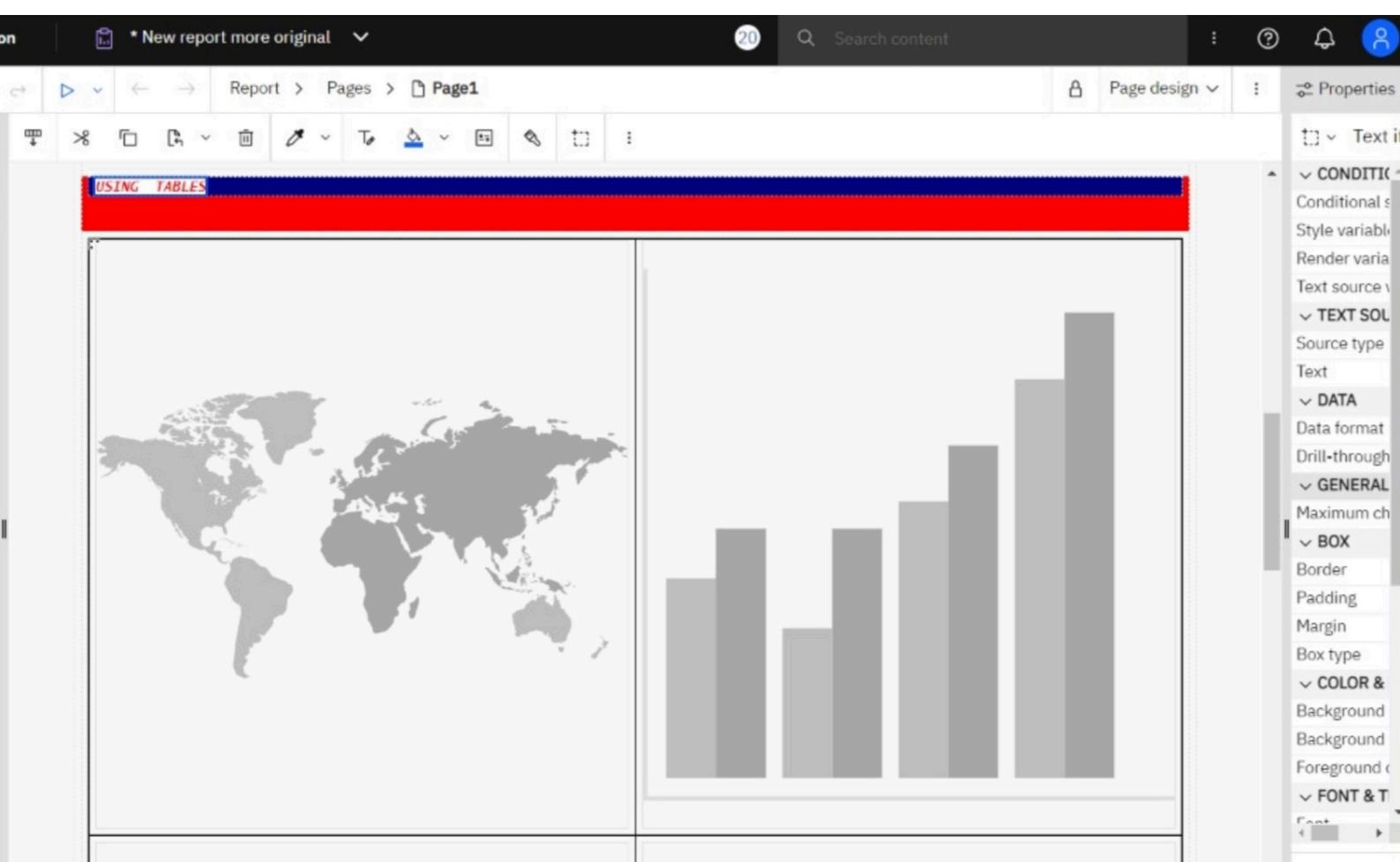
COLOR &

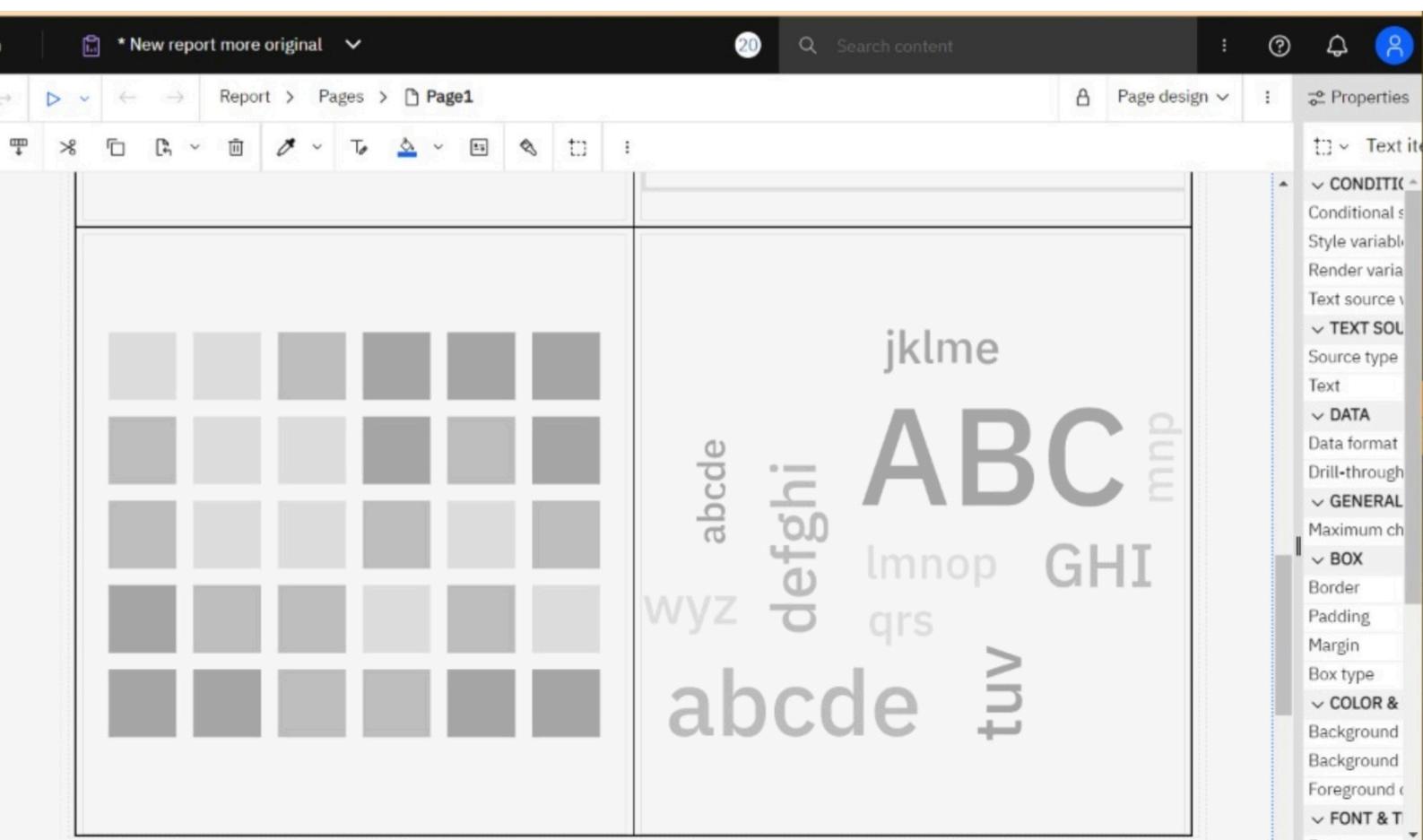
Background

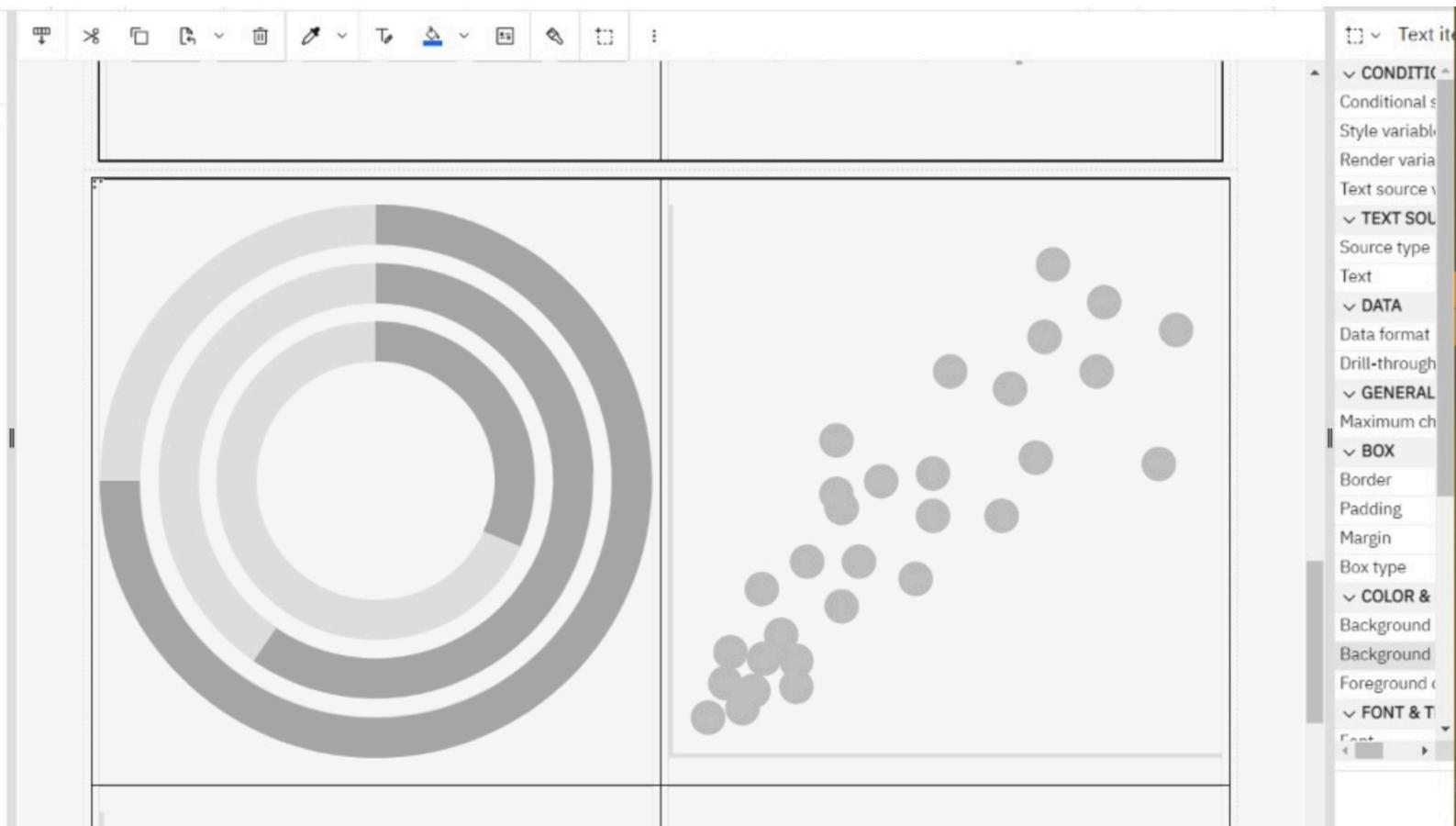
Background color

The screenshot shows the IBM Cognos Analytics with Watson interface. The top navigation bar includes the URL 'sa1.ca.analytics.ibm.com/bi/?perspective=authoring&id=i0FB2202C65D84AA2A18E86BB8C2D04C3&objRef=i0FB2202C65D84AA2A18E86BB8C2D04C3&action=edit&cmPropSt...', a search bar, and various icons. The main workspace displays a report titled 'Banking Loss events'. The report header contains the text 'Banking Loss events' in red, 'USING VISUALIZATION' in white, and 'Net Toss Over a year by a region' in red. Below the header is a line chart with two data series, each represented by a grey line with open circles at the data points. The chart area has a light blue background. On the left, the 'Insertable objects' panel lists 'Banking loss events' and 'Banking Loss Events'. The right side features a properties panel with sections for 'Text items', 'CONDITIONALS', 'Style variable', 'Render variable', 'Text source', 'TEXT SOURCE', 'Source type', 'Text', 'DATA', 'Data format', 'Drill-through', 'GENERAL', 'Maximum character length', 'BOX', 'Border', 'Padding', 'Margin', 'Box type', 'COLOR &', 'Background', and 'Background color'. The 'Text' section is currently selected.

The screenshot shows a Microsoft Power BI report page titled "Net Toss by Risk category". The page has a header with navigation links like "Report", "Pages", and "Page1". Below the header is a toolbar with various icons for editing and design. The main content area features a red header bar with the text "USING CROSSTAB". Below it is a dark blue header bar with the title "Net Toss by Risk category". The main data area is a cross-tabulation table with three columns: "Net Loss", "Year", and "Total". The first column has a header "Net Loss" and contains a row for "Risk Category" with values "#1234#". The second column has a header "Year" and contains a row for "Total" with values "#1234#". The third column has a header "Total" and contains a row for "Total" with values "#1234#". A green footer bar at the bottom has the text "USING LIST". To the right of the report is a "Properties" panel containing sections for "Text", "Conditional", "Style variable", "Render variab", "Text source", "Text SOL", "Source type", "Text", "DATA", "Data format", "Drill-through", "GENERAL", "Maximum ch", "BOX", "Border", "Padding", "Margin", "Box type", and "COLOR & Background".









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✓ TEXT SOL  
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✓ COLOR &  
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Background  
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✓ FONT & T  
Font

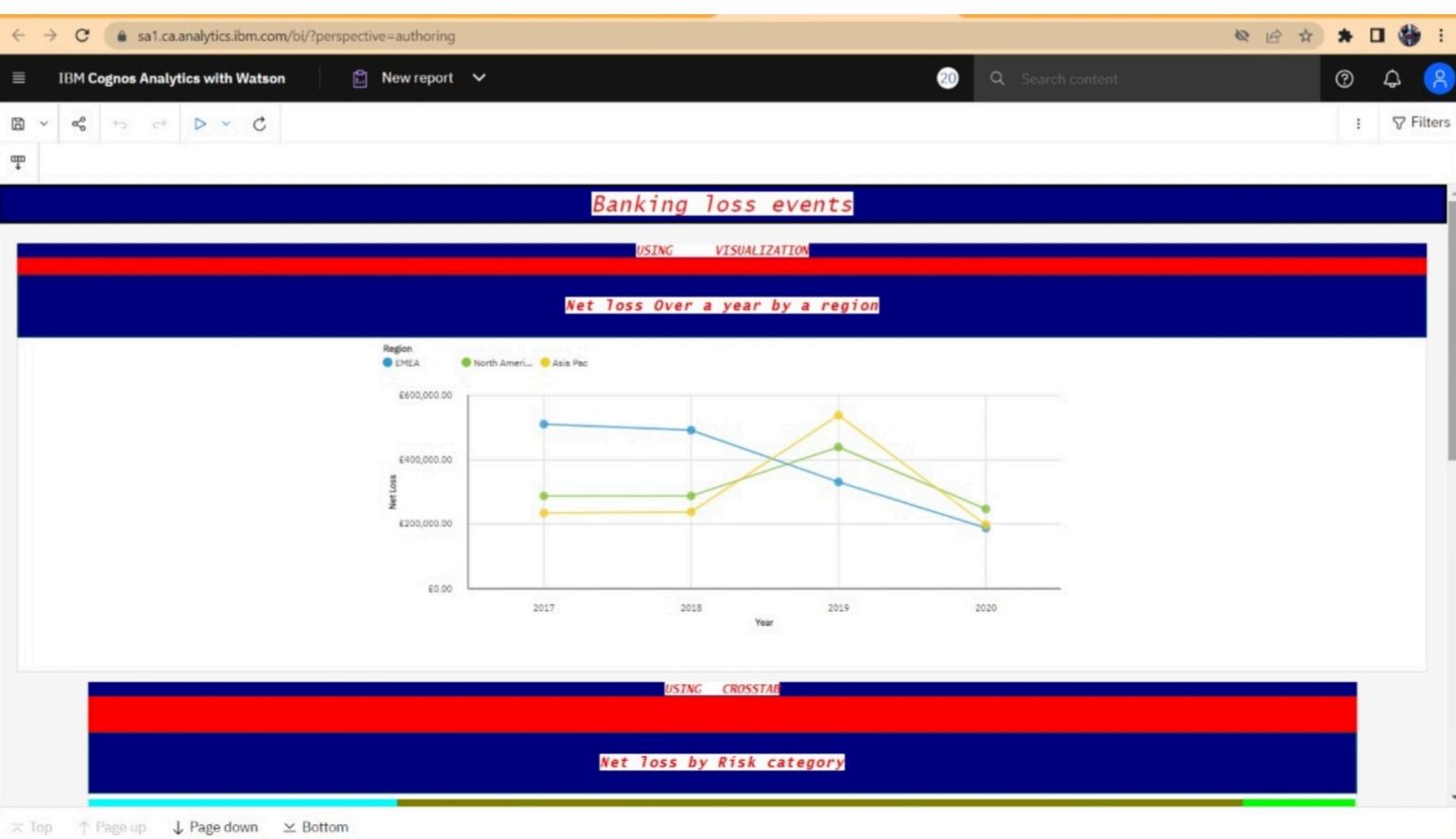
Date

1

Time

Output:-

Information and data storage and  
processing in the system.



IBM Cognos Analytics with Watson

New report

20 Search content

Filters

**USING CROSSTAB**

**Net Loss by Risk category**

Net Loss	2013	2014	2015	2016	2017	2018	2019	2020	Total
Business Disruption and System Failures	£332,688.23	£280,544.02	£315,349.52	£62,442.38	£778,829.98	£778,829.98	£240,576.79	£315,349.52	£3,104,610.43
Clients, Products and Business Practices	£262,976.96	£900,638.37	£217,875.26	£527,325.54	£1,413,649.66	£1,395,227.02	£553,433.65	£217,875.26	£5,489,201.72
Damage to Physical Assets		£217,607.19		£202,119.07	£108,661.68	£108,661.68	£205,991.10		£843,441.13
Employment Practices and Workplace Safety	£231,012.09	£254,118.22	£150,375.39	£135,958.58	£175,021.59	£165,410.92	£209,624.23	£150,375.39	£1,471,897.41
Execution, Delivery and Process Management	£909,157.94	£414,393.61	£296,278.73	£782,721.49	£305,584.26	£304,695.31	£702,798.06	£296,316.18	£3,991,946.60
External Fraud	£141,191.05	£159,650.37	£157,759.63	£275,930.04	£248,006.82	£248,210.61	£198,655.93	£157,759.63	£1,587,164.08
Internal Fraud	£231,449.35	£156,547.96	£135,784.96	£97,330.07	£149,399.29	£149,399.29	£113,864.76	£135,784.96	£1,169,560.65
<b>Total</b>	<b>£2,108,475.62</b>	<b>£2,383,499.74</b>	<b>£1,263,423.50</b>	<b>£2,083,828.18</b>	<b>£3,179,553.48</b>	<b>£3,150,635.00</b>	<b>£2,224,944.52</b>	<b>£1,263,460.95</b>	<b>£17,657,821.00</b>

**USING LIST**

Region	Business	Name	Status	Year	Region	Business	Name	Status	Year	Recovery Amount	Estimated Gross Loss	Recovery Amount (%)
North America	Retail Banking	LE-06-3	Approved	2013	North America	Retail Banking	LE-06-3	Approved	2013	£27,116.47	£98,400.00	31
North America	Trading and Sales	LE-06-9	Not Started	2013	North America	Trading and Sales	LE-06-9	Not Started	2013	£184,831.47	£546,600.00	34
EMEA	Retail Banking	LE-06-19	Approved	2013	EMEA	Retail Banking	LE-06-19	Approved	2013	£5,789.40	£42,800.00	16
Asia Pac	Commercial Banking	LE-06-22	Not Started	2013	Asia Pac	Commercial Banking	LE-06-22	Not Started	2013	£54,109.20	£149,000.00	38
North America	Retail Banking	LE-06-23	In Progress	2013	North America	Retail Banking	LE-06-23	In Progress	2013	£2,288.65	£5,800.00	39

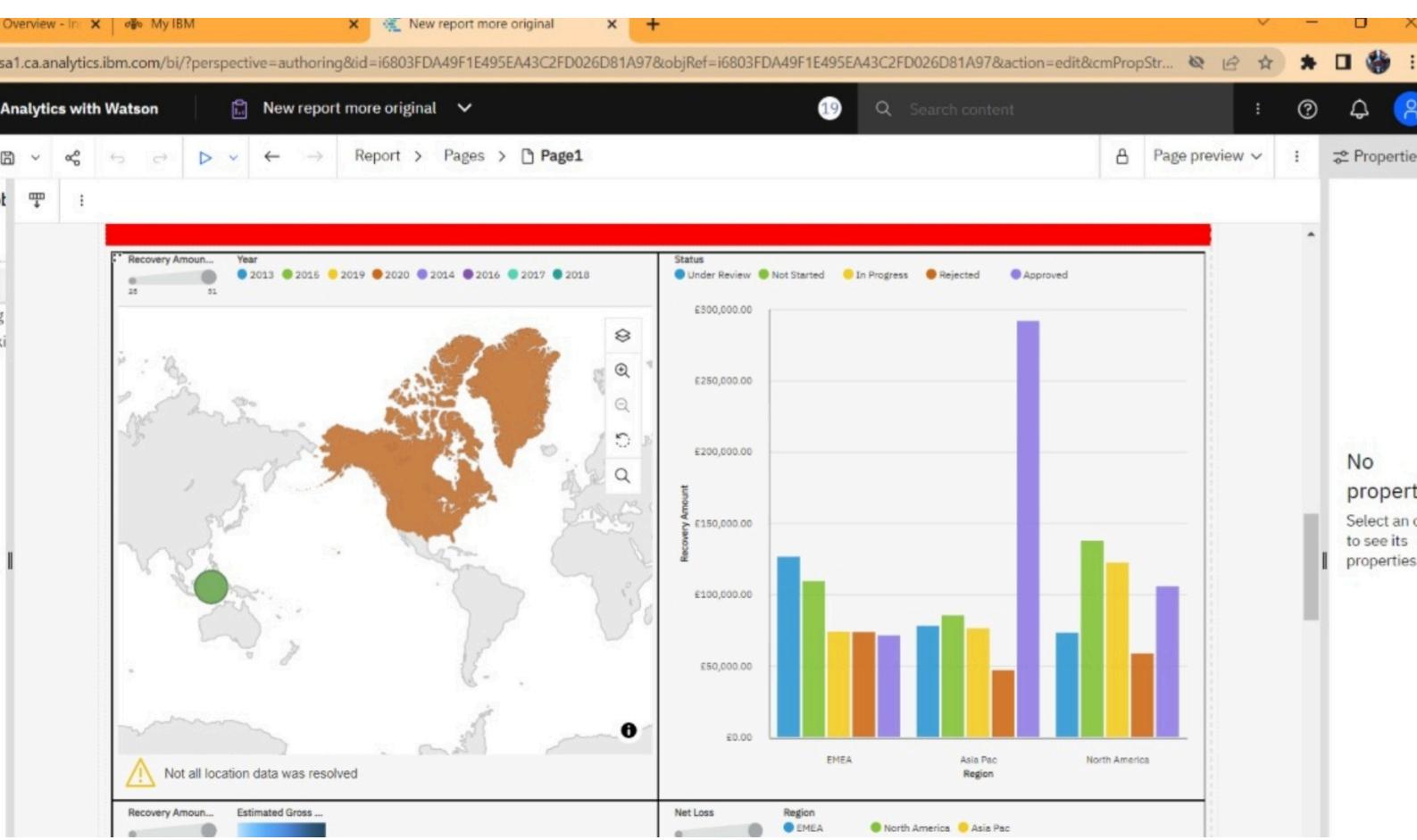
Top Page up Page down Bottom

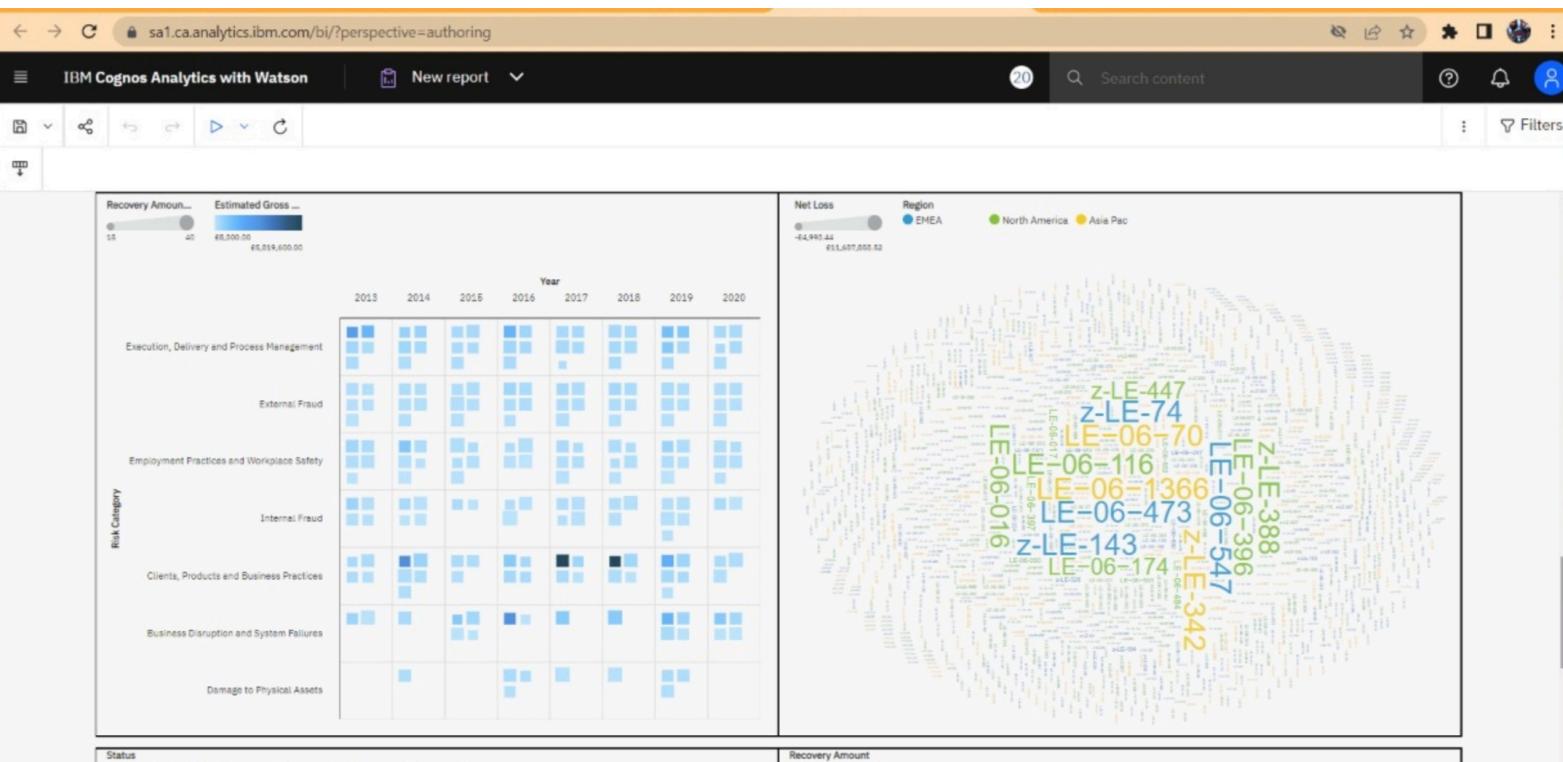
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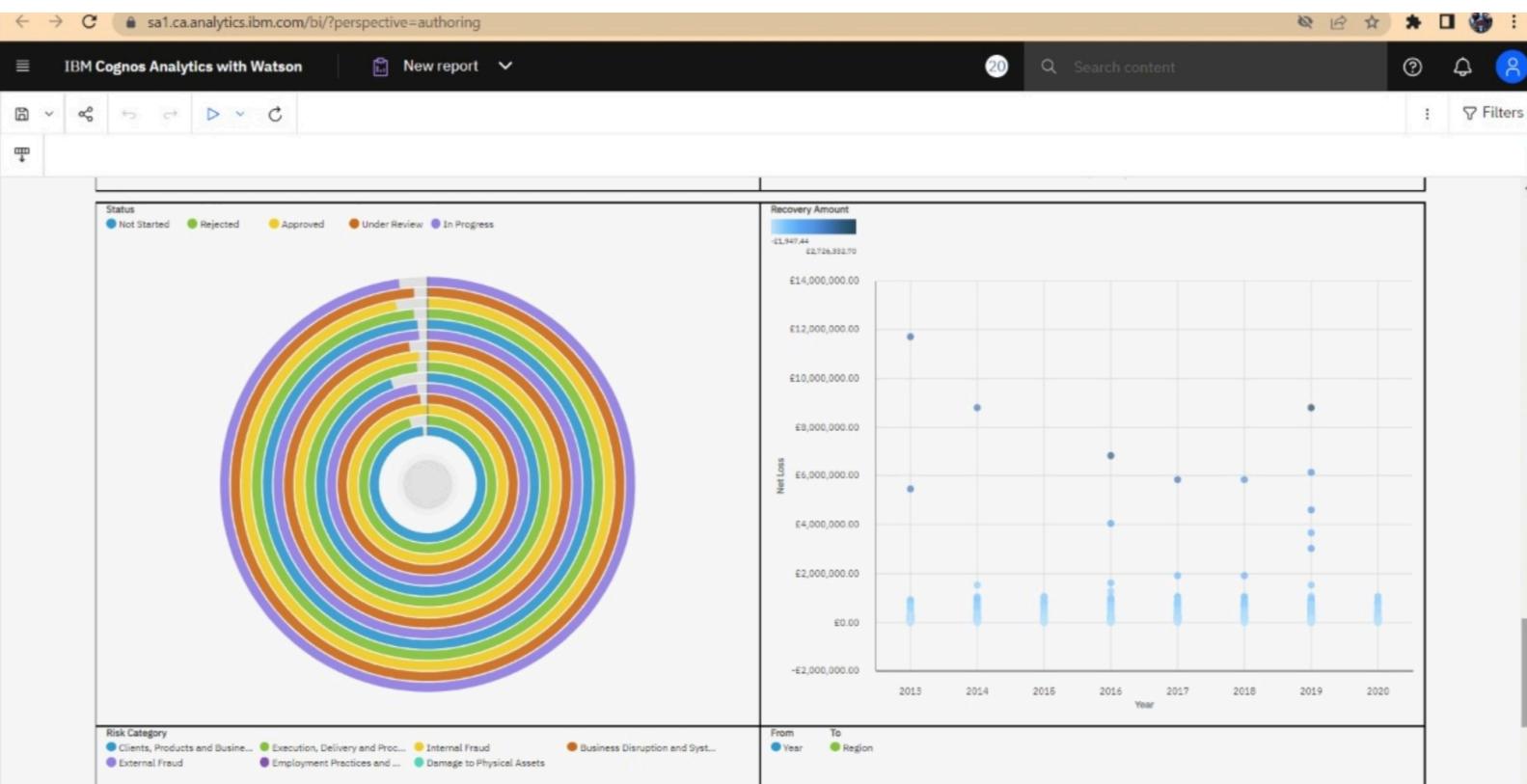
USTNG LTST

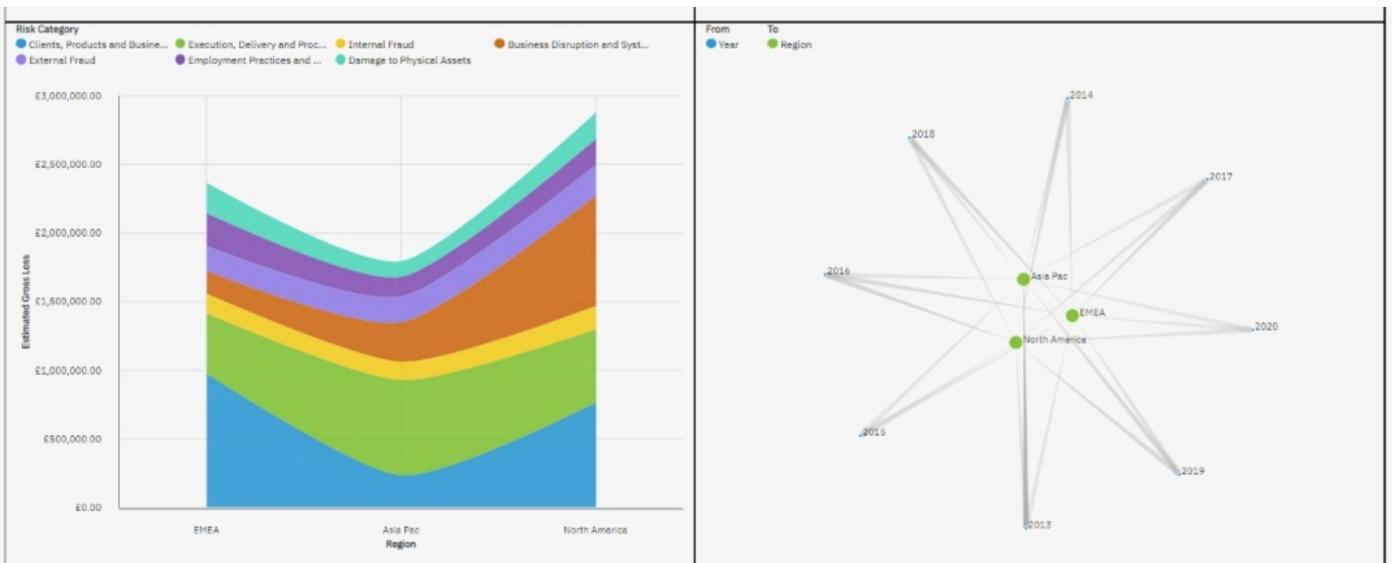
Region	Business	Name	Status	Year	Region	Business	Name	Status	Year	Recovery Amount	Estimated Gross Loss	Recovery Amount (Percent)
North America	Trading and Sales	z-LE-626	In Progress	2020	North America	Trading and Sales	z-LE-626	In Progress	2020	£91,803.88	£235,200.00	39
North America	Retail Banking	z-LE-629	Not Started	2020	North America	Retail Banking	z-LE-629	Not Started	2020	£1,518.11	£13,700.00	33
North America	Agency Services	z-LE-630	In Progress	2020	North America	Agency Services	z-LE-630	In Progress	2020	£168,264.15	£736,300.00	23
Asia Pac	Commercial Banking	z-LE-639	In Progress	2020	Asia Pac	Commercial Banking	z-LE-639	In Progress	2020	£41,808.10	£160,800.00	28
North America	Retail Banking	z-LE-641	Approved	2020	North America	Retail Banking	z-LE-641	Approved	2020	£75,882.77	£231,700.00	34
North America	Trading and Sales	z-LE-644	Under Review	2020	North America	Trading and Sales	z-LE-644	Under Review	2020	£179,813.72	£899,300.00	20
EMEA	Asset Management	z-LE-651	Not Started	2020	EMEA	Asset Management	z-LE-651	Not Started	2020	£53,347.88	£186,100.00	29
EMEA	Retail Banking	z-LE-654	Approved	2020	EMEA	Retail Banking	z-LE-654	Approved	2020	£14,270.02	£55,100.00	27
North America	Retail Banking	z-LE-660	Rejected	2020	North America	Retail Banking	z-LE-660	Rejected	2020	£29,556.16	£123,800.00	24
EMEA	Retail Banking	LE-06-1365	Not Started	2013	EMEA	Retail Banking	LE-06-1365	Not Started	2013	£14,393.24	£173,100.00	8
Asia Pac	Corporate Finance	LE-06-1366	Approved	2013	Asia Pac	Corporate Finance	LE-06-1366	Approved	2013	£1,906,935.95	£11,698,000.00	17
EMEA	Trading and Sales	LE-06-1367	Under Review	2013	EMEA	Trading and Sales	LE-06-1367	Under Review	2013	£323,932.91	£952,800.00	34
EMEA	Agency Services	LE-06-1370	Approved	2014	EMEA	Agency Services	LE-06-1370	Approved	2014	£101,497.42	£567,000.00	18
EMEA	Trading and Sales	LE-06-1371	In Progress	2014	EMEA	Trading and Sales	LE-06-1371	In Progress	2014	£177,058.38	£1,056,400.00	17
EMEA	Trading and Sales	LE-06-1372	In Progress	2015	EMEA	Trading and Sales	LE-06-1372	In Progress	2015	£27,018.91	£132,200.00	22
North America	Trading and Sales	LE-06-1373	Not Started	2015	North America	Trading and Sales	LE-06-1373	Not Started	2015	£189,810.42	£946,400.00	20

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## features used :-

1. headers and footers
2. Block
3. Text item
4. Visualization
5. Tables
6. CrossTab
7. Lists
8. fonts, style, padding, margin
9. Box style, background and foreground color.
10. Borders, horizontal and vertical Alignment.
11. Data format, background effects, split cell
12. Ancestor, Summarise, Filters, sorting
13. Group / Ungroup, section / unsection
14. SQL conditions
15. Advanced conditions.

Result :-

The project has been successfully  
executed and received.