

Navigating Success Through Data Insights: A Comprehensive Business Analysis

Introduction: The objective of this project is budgeting analysis, Inventory Management, Monthly sales Analysis, Sensitivity analysis!

Budgeting Analysis: The financial journey through budgeting! The distribution of budget allocations across departments is considered monthly. The dynamic interplay of gross sales trends and profit margins is explored. This juxtaposition reveals the story behind the numbers, and "It provides insights that light the way for Informed decision-making."

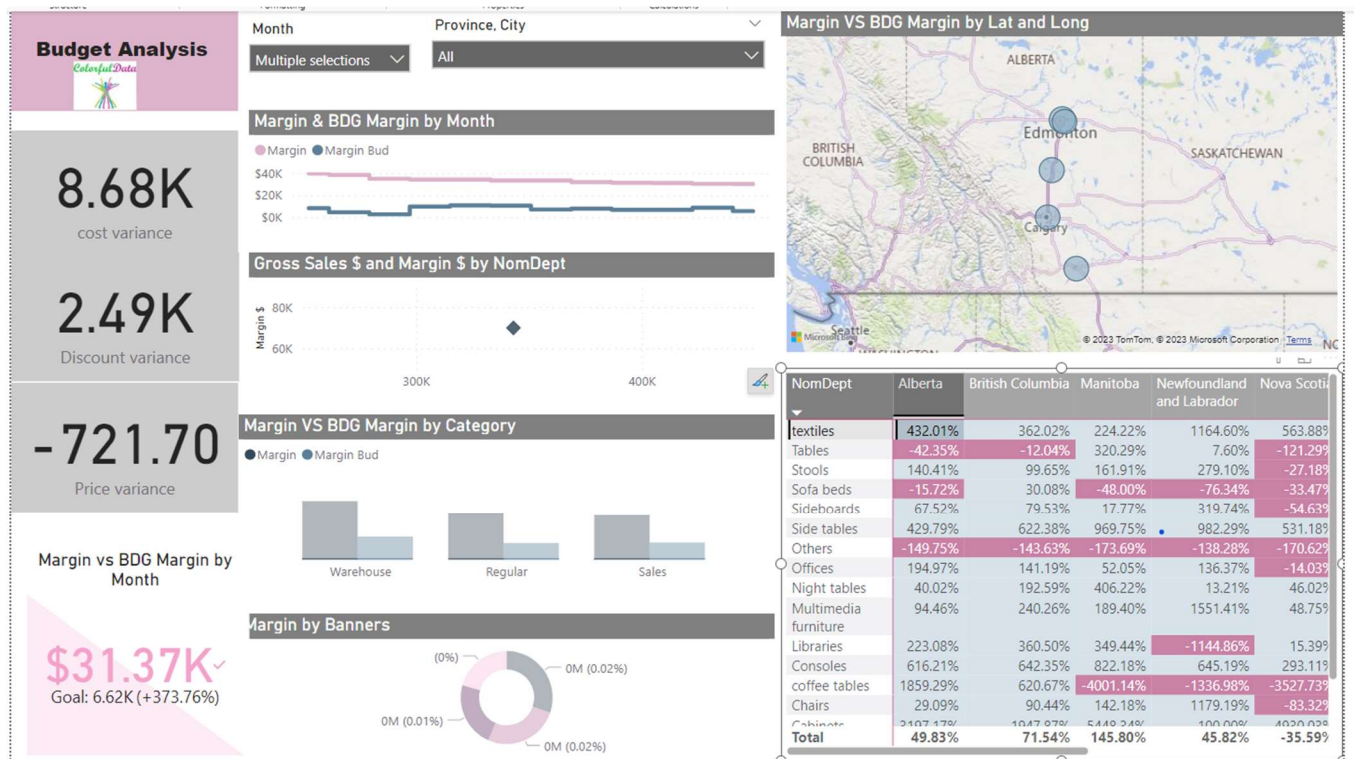
Main Measures:

Cost Variance = $[Qty\ Bud] * ([Unit\ Cost\ BDG] - [Unit\ Net\ cost])$

Discount Variance = $[Qty\ Bud] * ([Unit\ Disocunt\ BDG] - [Unit\ Discount])$

Price Variance= $[Qty\ Bud] * ([Unit\ NET\ price\ BDG] - [Unit\ Net\ Price])$

Actual vs. Budgeted Margin % = $\frac{[Margin] - [Margin\ Bud]}{[Margin\ Bud]} * 100$

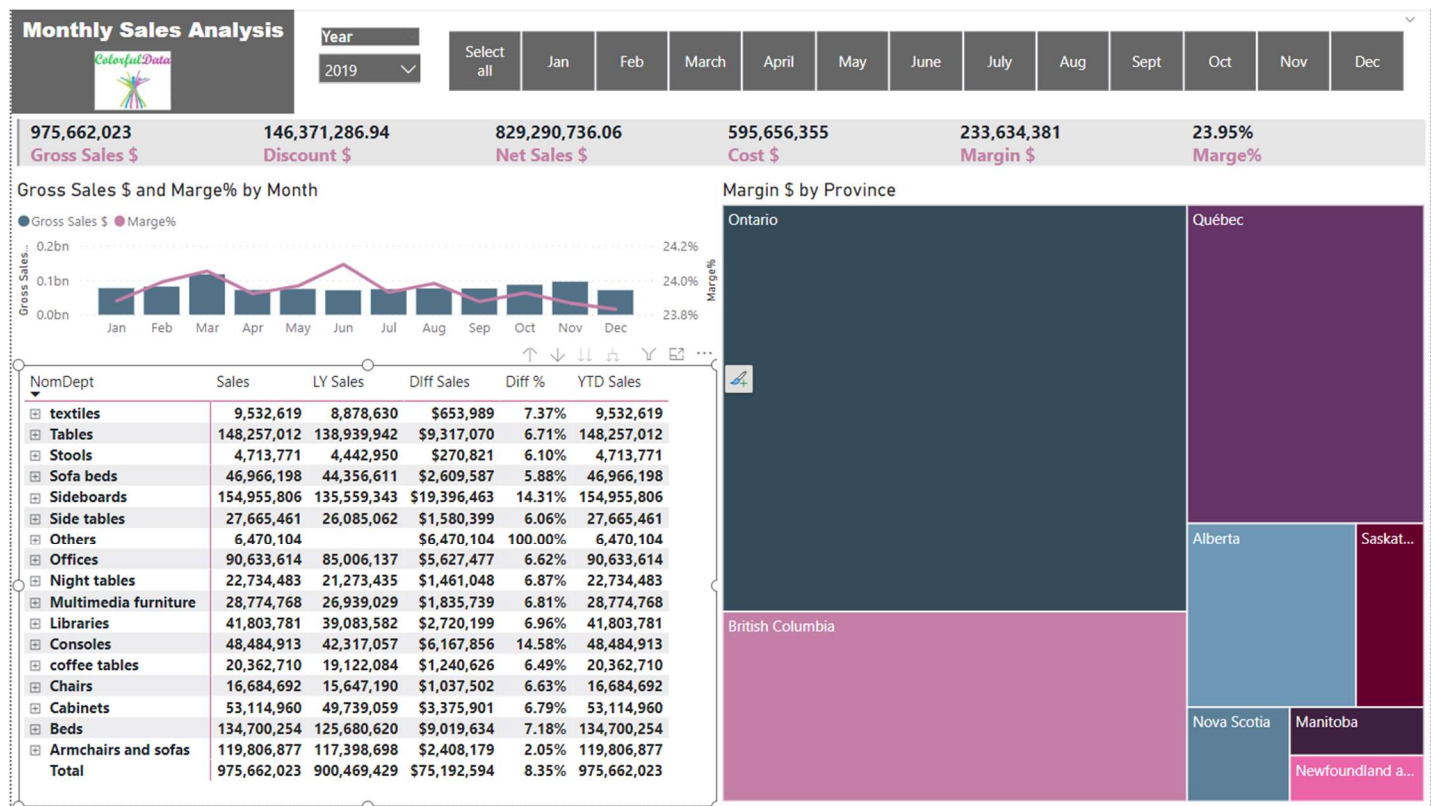


2- Monthly Sales Analysis:

A monthly sales report is used to monitor, evaluate, analyze, and determine sales trends monthly.

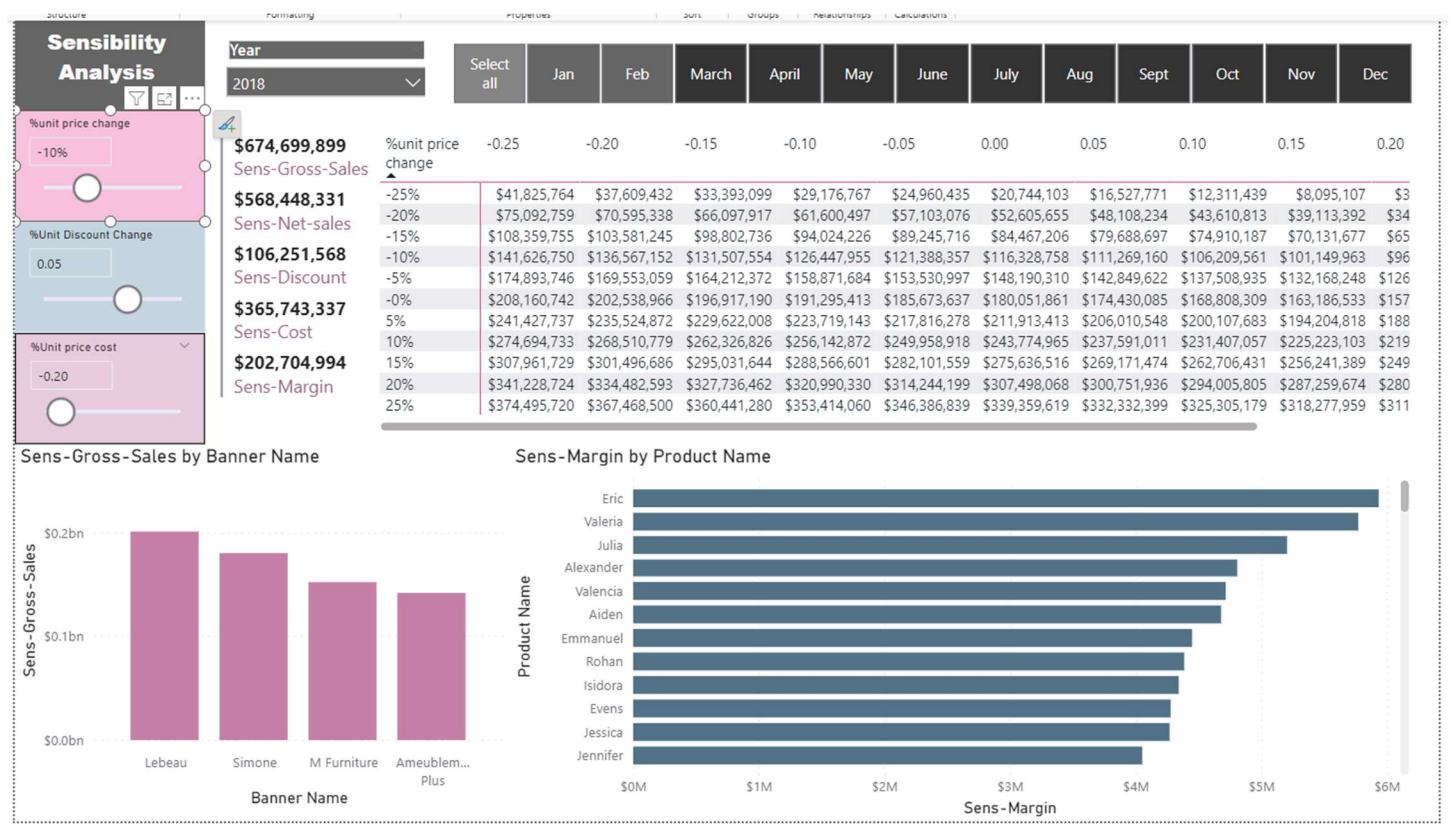
Measures:

YTD Gross Sales = `Calculate([Gross Sales $],DATESYTD(DimDate[Date]))`
 Diff % GS vs LY GS = `DIVIDE([Diff Gross Sales vs LY Gross Sales],[LY Gross Sales],1)`
 Diff Gross Sales vs LY Gross Sales = `[Gross Sales]-[LY Gross Sales]`



3- Sensitivity Analysis, "What-If" analysis

Sensitivity analysis is used in decision-making and risk assessment to understand how changes in variables like price can impact the outcome of other measures in sales. Sensitivity analysis is particularly useful when dealing with financial projections, or any situation where uncertainties exist.




4- Inventory Analysis. Manage inventory items and control the day-to-day inventory operations while implementing an agreed-upon inventory control protocol.

```
Current Inventory = if
(
  Inventaires[SalesLastMonth]-Inventaires[Inventory]>0,Inventaires[SalesLastMonth]-
  Inventaires[Inventory],0)
```

```
RequiredInventory$ = SUM(Inventaires[Current Inventory])
TargetLevel = Inventaires[Inventory$]+[RequiredInventory$]
```

Inventory Analysis



92.23%
InventoryRatio

Current Inventory

227.48M


Required Inventory

19.16M

Target

246.64M

Tuesday, December 31, 2019



City	Armchairs and sofas	Beds	Cabinets	Chairs	coffee tables	Consoles	Libraries	Multimedia furniture	Night tables	Offices	Others	Side tables	Sideboard
Abbotsford	109,882.42	0.00	0.00	0.00	0.00	59,916.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ajax	153,120.35	0.00	0.00	0.00	0.00	53,407.41	0.00	0.00	0.00	12,708.57	0.00	0.00	0.00
Barrie	127,373.11	0.00	0.00	0.00	0.00	25,173.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brampton	174,946.72	55,685.17	0.00	0.00	4,293.96	54,456.87	31,594.65	0.00	0.00	46,199.89	0.00	0.00	55,15
Brantford	144,253.58	0.00	0.00	0.00	0.00	41,120.79	0.00	0.00	0.00	53,864.32	27,771.00	0.00	13,09
Burlington	101,514.06	81,412.95	0.00	0.00	0.00	64,379.04	26,151.03	29,664.37	0.00	77,456.32	0.00	0.00	55,17
Burnaby	116,901.86	0.00	0.00	0.00	0.00	50,061.58	0.00	0.00	0.00	54,843.50	7,060.69	0.00	42,36
Calgary	138,420.14	0.00	0.00	0.00	0.00	28,497.59	16,407.33	0.00	0.00	10,492.99	0.00	0.00	8,13
Cambridge	140,538.93	4,202.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cape Breton	130,490.68	0.00	0.00	0.00	0.00	47,624.53	980.85	0.00	0.00	65,054.99	0.00	0.00	0.00
Chatham-Kent	140,221.85	0.00	10,766.97	0.00	14,602.87	69,636.18	55,957.84	18,222.97	0.00	138,536.59	0.00	0.00	98,27
Clarington	103,806.03	0.00	0.00	0.00	0.00	43,634.65	4,270.22	0.00	0.00	51,129.94	0.00	0.00	0.00
Coquitlam	115,720.56	0.00	0.00	0.00	0.00	33,932.55	0.00	0.00	0.00	0.00	9,636.00	0.00	0.00
Delta	101,351.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,696.52	0.00	0.00	9,599.92	0.00
Edmonton	122,350.66	200,300.30	0,001.04	0.00	12,000.00	55,120.04	27,435.74	16,100.04	17,712.70	121,312.16	0.00	25,751.00	127.47
Total	8,428,985.40	989,062.63	64,920.40	9,808.82	99,061.82	3,097,213.86	947,948.77	125,691.63	51,041.15	2,417,562.16	96,307.58	76,605.34	1,522,95