



PAMANTASAN NG LUNGSOD NG MAYNILA

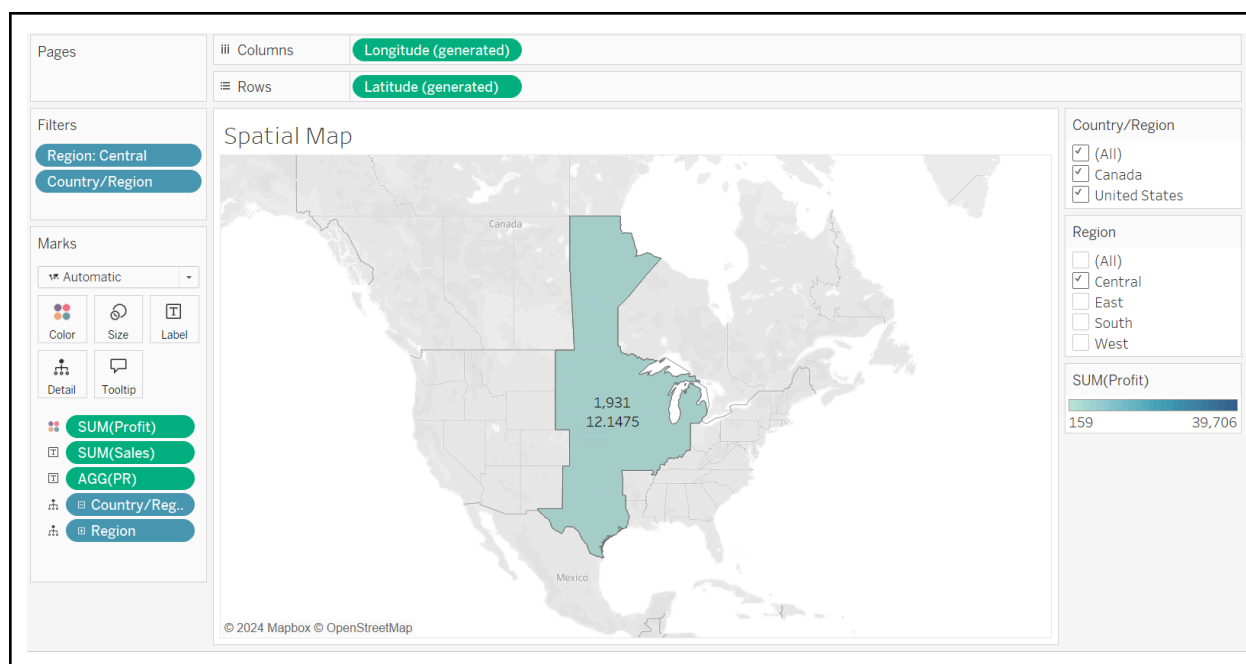
Department of Tourism Management
College of Tourism and Hospitality Management

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BSTM 3 - 1	Mr. Ivan Cassidy F. Villena

ASSESSMENT NO. 2: DATA VISUALIZATION USING COMPLEX CHARTS

1. Spacial Map

- Generate a spatial map of sales and profit in Central region from 2021 to 2024
- Your final output shall show only one spatial map with filters



2. Based on the Spatial Map, please fill in the following details

Sales and Profit in Central Region from 2021 to 2024

Year	Sales	Profit	Profit Ratio
2021	103,838	540	192.5
2022	102,874	11, 717	8.8

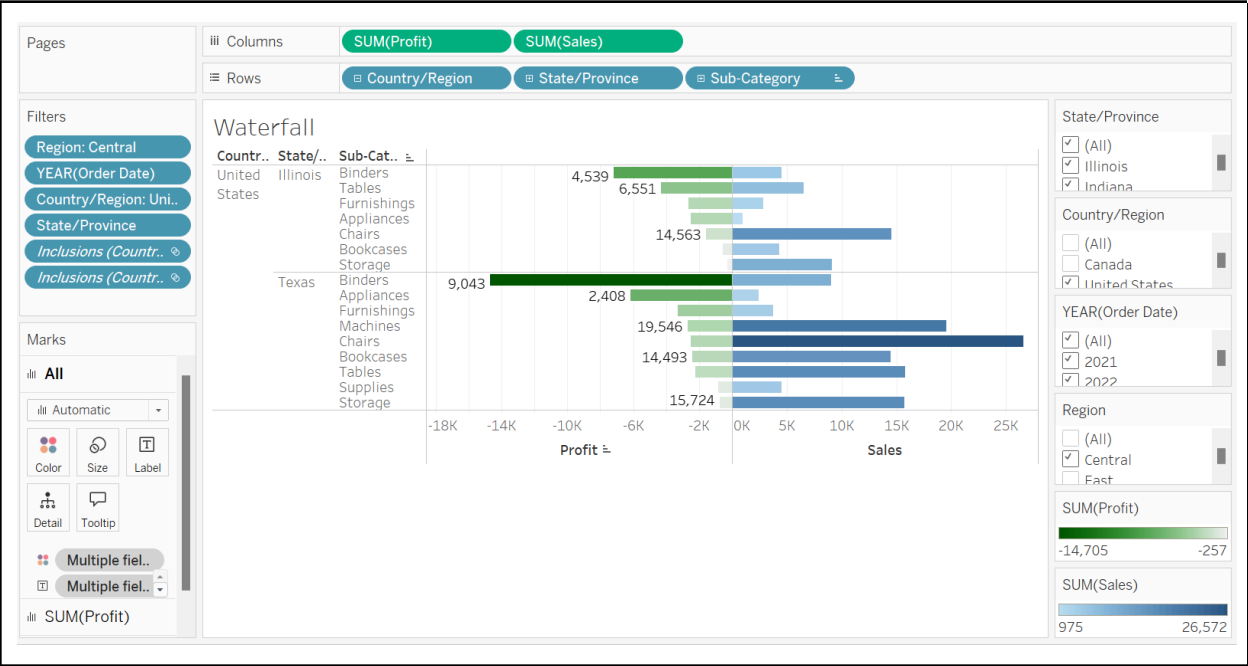
2023	147, 249	19, 899	7.4
2024	147,098	7, 551	19.5

3. What are the states in the Central Region recorded for the lowest profit ratio?

States	Profit Ratio
Texas	-6.61
Illinois	-6.36

4. Waterfall Chart

- Generate a waterfall chart of sales and profit in Central region from 2021 to 2024
- Your final output shall show only one waterfall chart showing only the sub-category of products that recorded losses by State/Province with filters



5. Based on the waterfall chart, please fill in the following details

Non-Profitable Products in Central Region from 2021 to 2024

ILLINOIS

Year	Product 1	Product 2	Product 3	Product 4	Product 5	Product 6	Product 7
2021	Tables	Binders	Appliances	Chairs	Furnishings	Storage	Bookcases
2022	Appliances	Furnishings	Tables	Chairs	Bookcases	Binders	Storage
2023	Furnishings	Tables	Binders	Appliances	Chairs	Bookcases	Storage
2024	Binders	Tables	Furnishings	Chairs	Appliances	Bookcases	Storage

TEXAS									
Year	Product 1	Product 2	Product 3	Product 4	Product 5	Product 6	Product 7	Product 8	Product 9
2021	Binders	Machines	Appliances	Chairs	Tables	Furnishings	Storage	Bookcases	Supplies
2022	Appliances	Binders	Bookcases	Chairs	Tables	Furnishings	Storage	Supplies	Machines
2023	Binders	Furnishings	Bookcases	Chairs	Appliances	Supplies	Tables	Storage	Machines
2024	Binders	Appliances	Furnishings	Tables	Bookcases	Chairs	Storage	Machines	Supplies