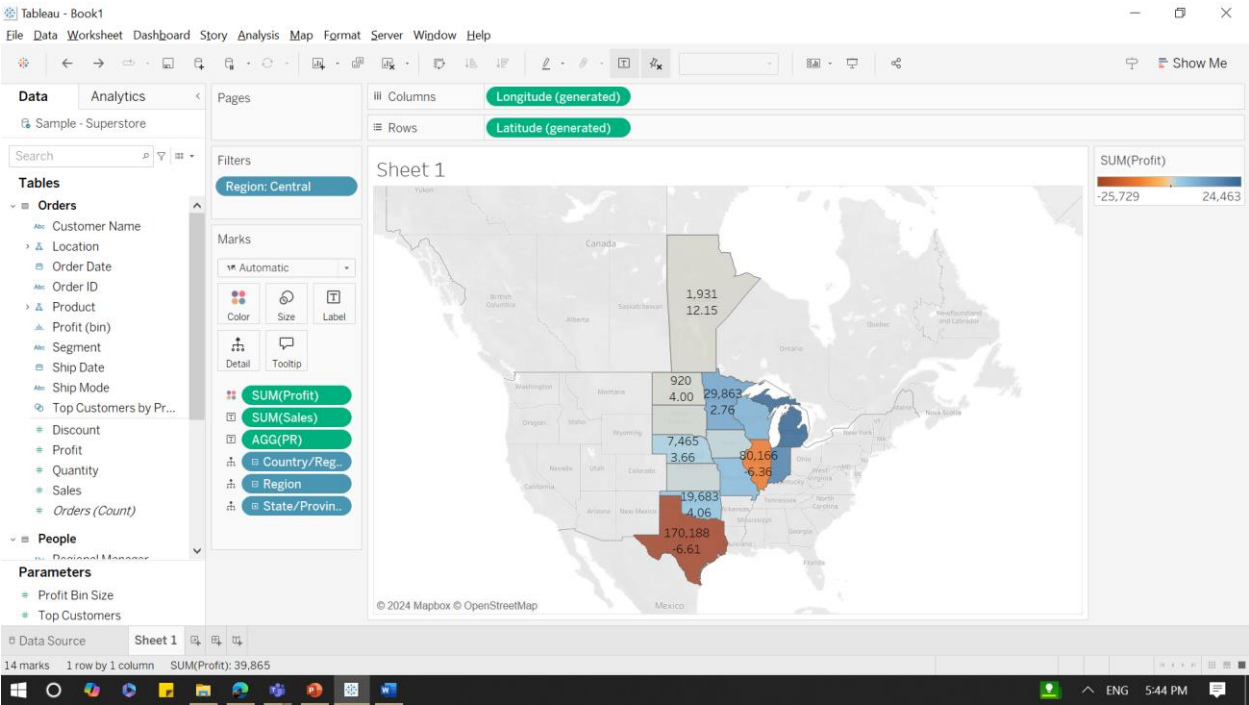


ASSESSMENT NO. 2: DATA VISUALIZATION USING COMPLEX CHARTS (SPATIAL MAP AND WATERFALL CHART)

For this assessment, please open the *Superstore* dataset in Tableau and perform the following:

1. Spatial 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
- **Please post the screenshot of it below**



(Screenshot)

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	49,966	-9,216	-5.42
2022	34,932	-2,390	-14.62
2023	41,826	-5,285	-7.91
2024	43,181	-8,712	-4.96

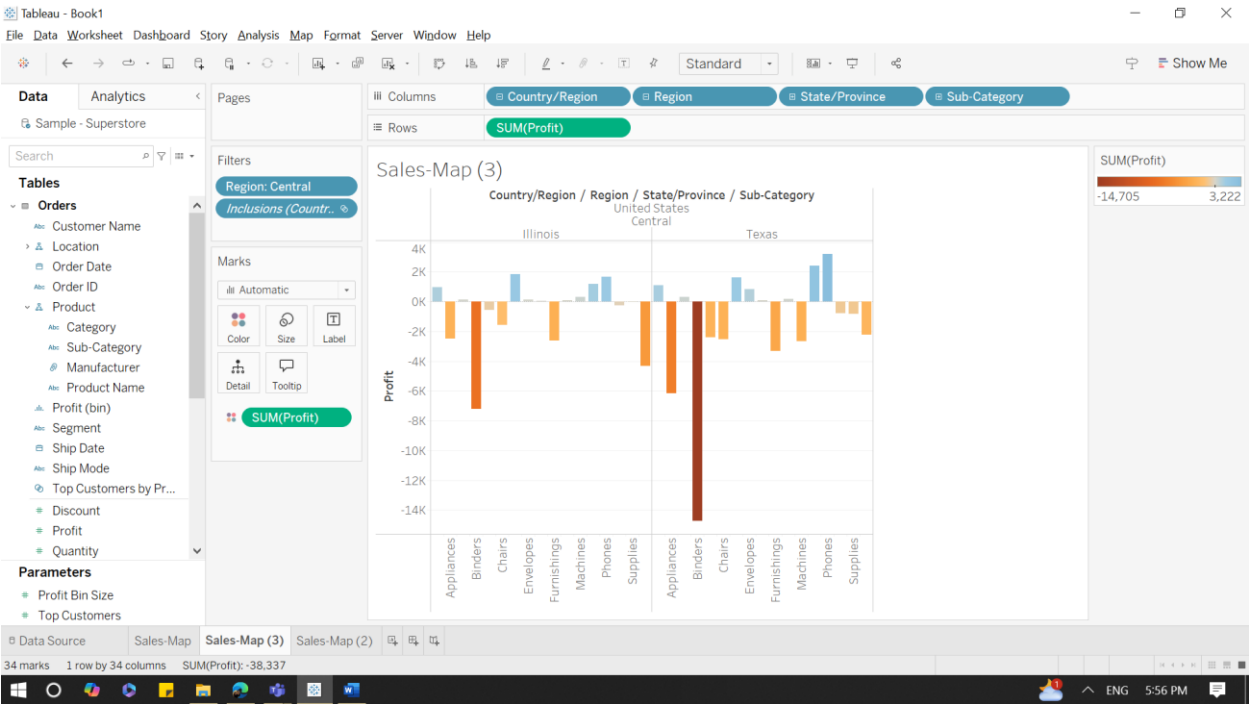
3. What are the states in the Central region recorded for the lowest profit ratio?

- Texas and Illinois

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

(Screenshot)



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

[Indicate the State/Province?]

TEXAS

Non-Profitable Products in Central Region from 2021 to 2024

Year	Product 1	Product 2	Product 3	Product 4	Product 5	Product 6
2021	Binder	Machines	Tables	Appliances	Binder	Chairs
2022	Appliances	Binders	Bookcases	Chairs	Furnishings	Tables
2023	Binders	Furnishings	Bookcases	Chairs	Appliances	Tables

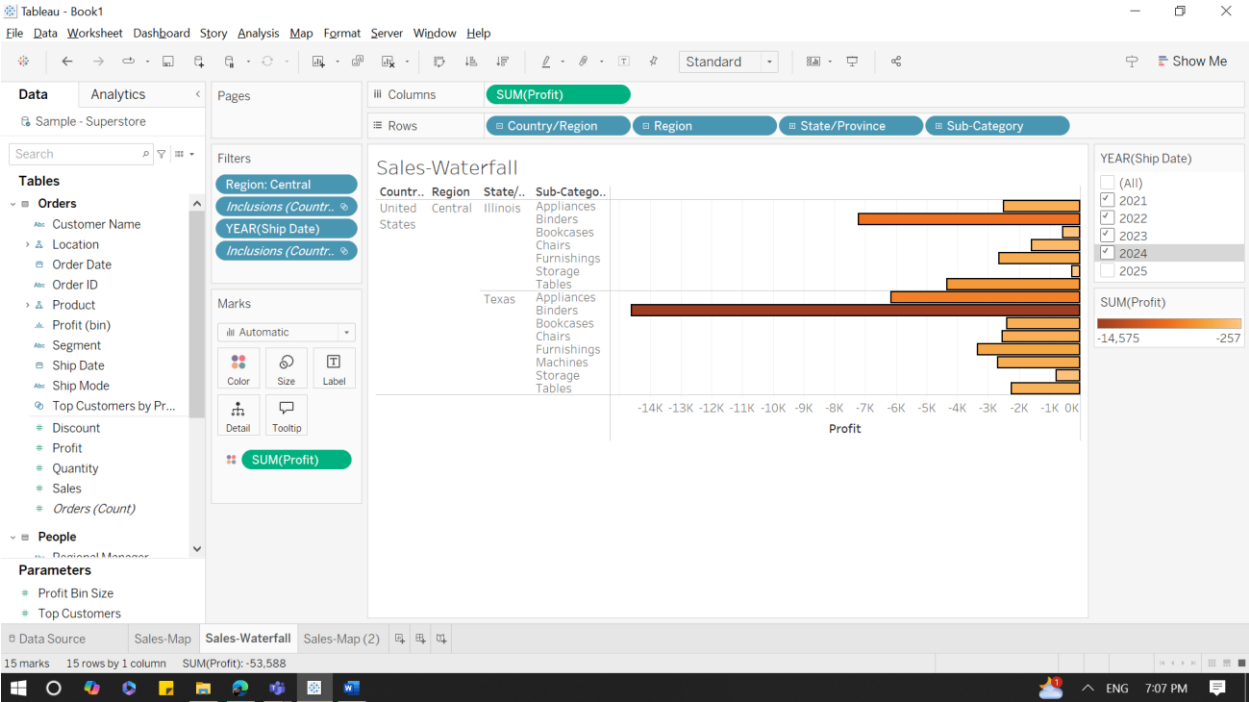
2024	Binders	Appliances	Furnishings	Tables	Bookcases	Chairs
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[Indicate the State/Province?]

Illinois

Non-Profitable Products in Central Region from 2021 to 2024

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



(Screenshot)

Remember to upload your file in your Github account after this assessment. Thank you!