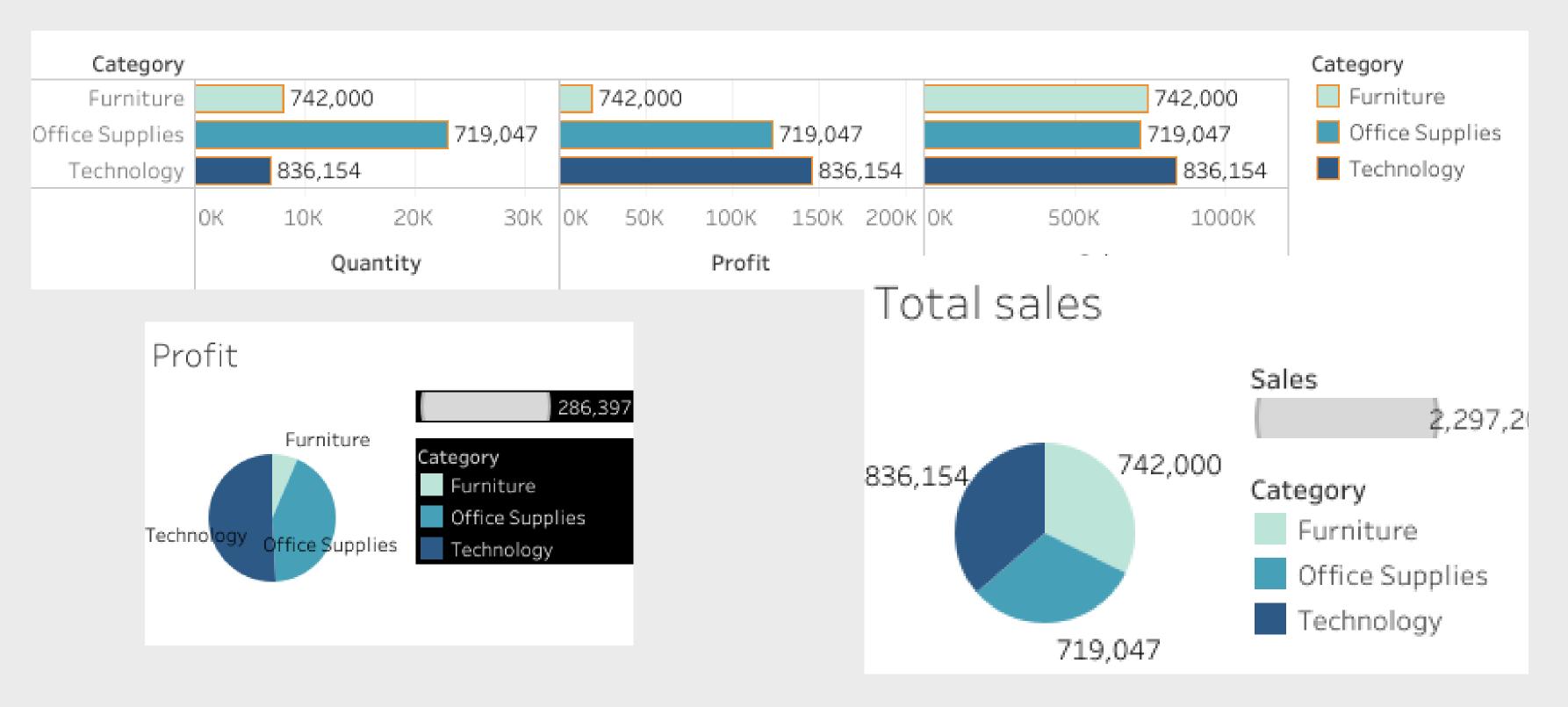
Why Do We have a Loss?

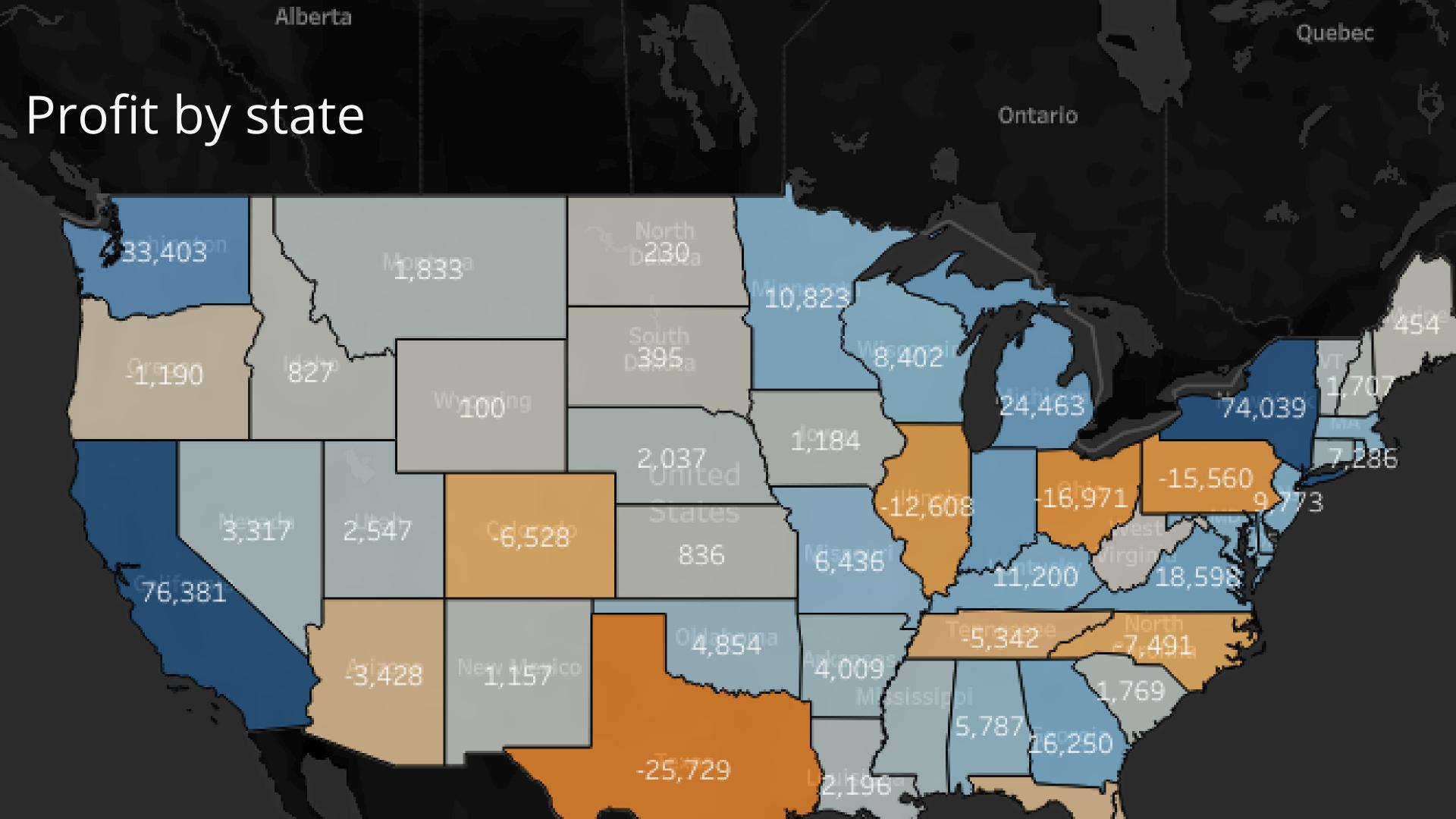
2022 August 09 Bty Mohamed A. Abokhoshiem

Overview

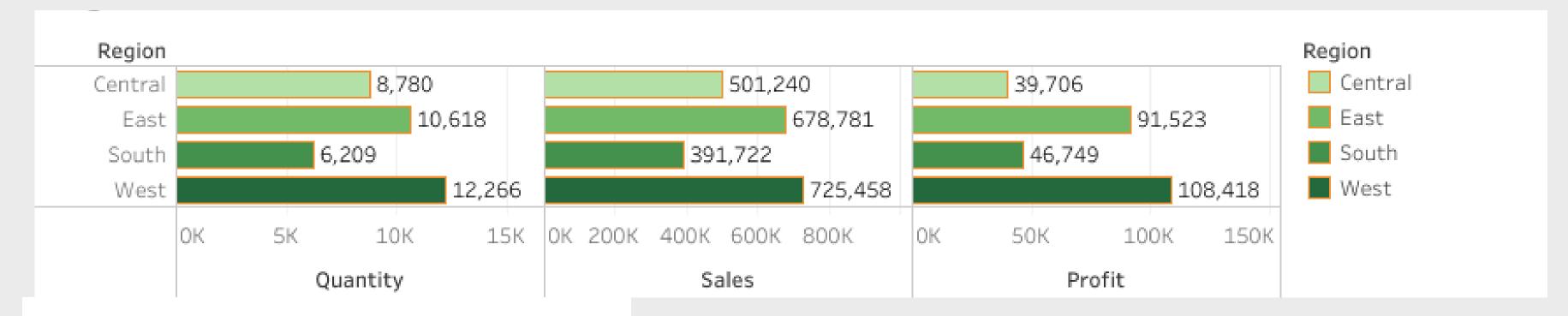
- This data set was collected and downloaded from kaggle.com
- I had an Exploratory Data Analysis on it using python programming language.
- After some claculations I found that some sub0categories cost the company losses, that's why I had a further analysis on those categories.

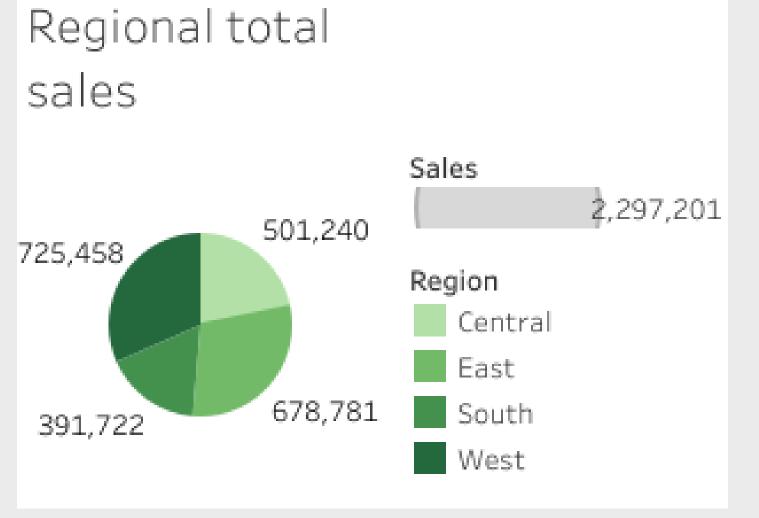
Quantity, Profit, total sales by category

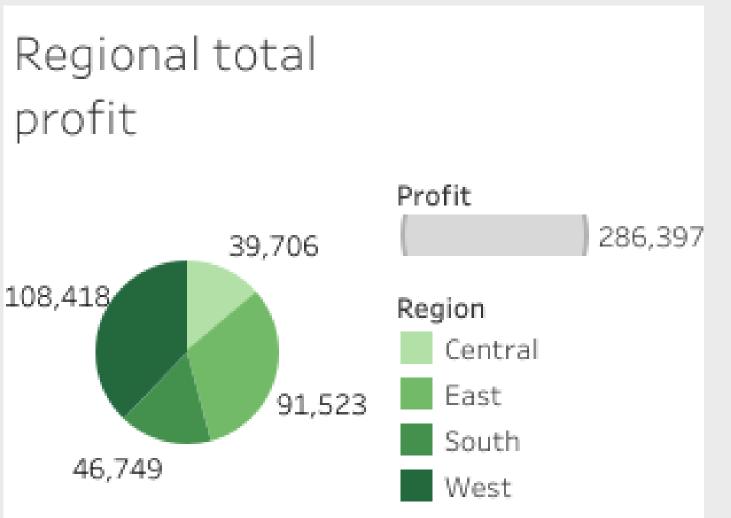




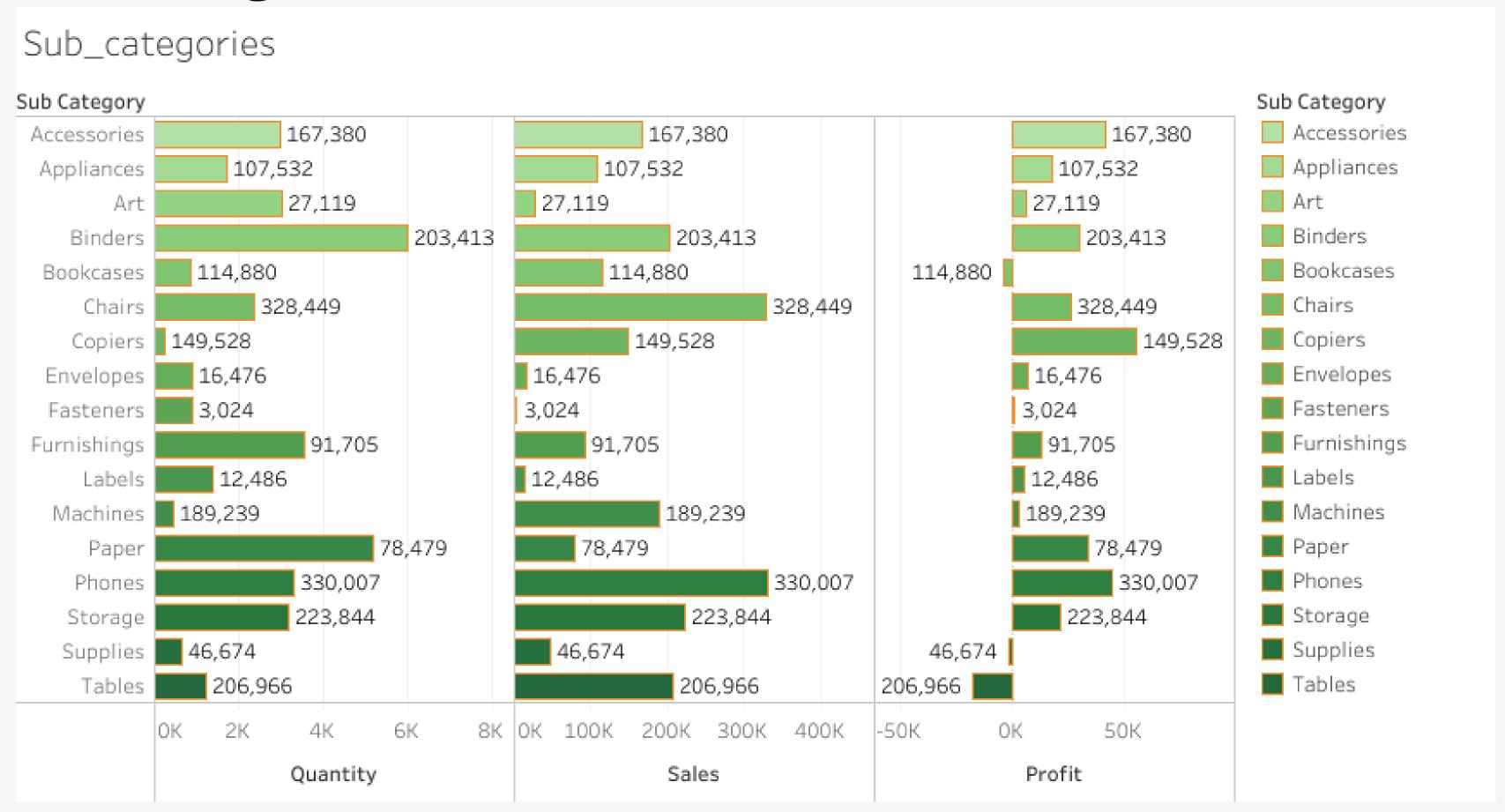
Regional basis





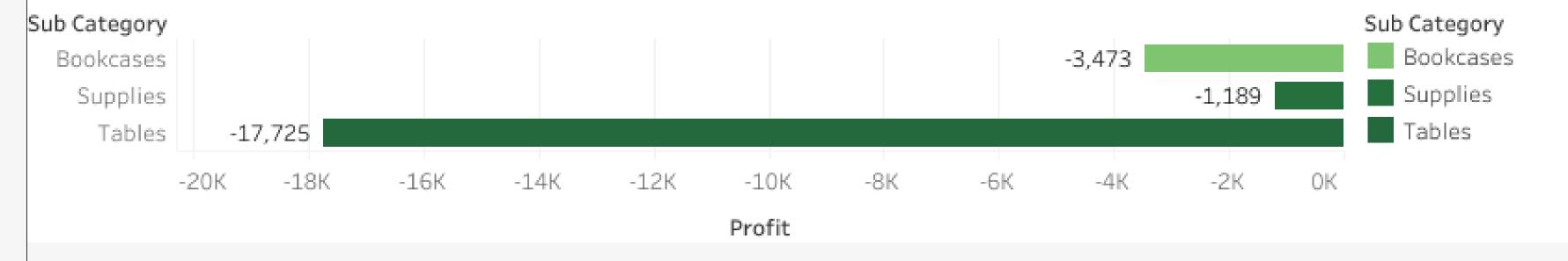


Sub-categories



Losing sub-categories

Losing_sub_categories



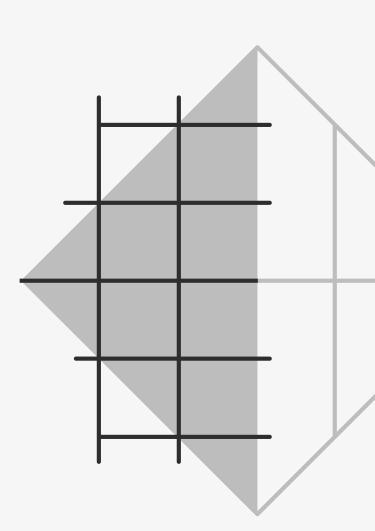
How much loss?

BookasesSuppliesTables3473118917725

My da we

Further more

- Doing analysis on the basis of products helps a lot.
- I chose 3 different products from each losing sub-category.





product: FUR-BO-10001798

Unit costs Price no discount Margin

110.0232 130.980 20.9568

- Margin profit percentage of sales price is 20.9568 / 130.980 = .16

product: FUR-TA-10004534

Unit costs Price no discount Margin

170.897 205.90 35.003

Margin profit percentage of sales price is 35.003 / 205.9= .16999999

product: OFF-SU-10003936

Unit costs Price no discount Margin
3.1482 3.180 0.0318

- Margin profit percentage of sales price is 0.0318 / 3.180 = .01

Findings

- There are alot of losing transactions in different categories exactly 1936 operations.
- It is noticable that the profit margin in all of those operations is less than the discount percentage which reaches 50% in some cases.
- Furniture and office supplies are the main two harmed categories of those operations due to thier low margins.

Recommendations



Production

Find new sustainable production ways that help reduce costs and maximize profit.

Discounts

Be clear about limitations of giving discounts to the customers based on profit margins and costs of the products.

Thank you

2022 August 11th Mohamed A. Abokhoshiem