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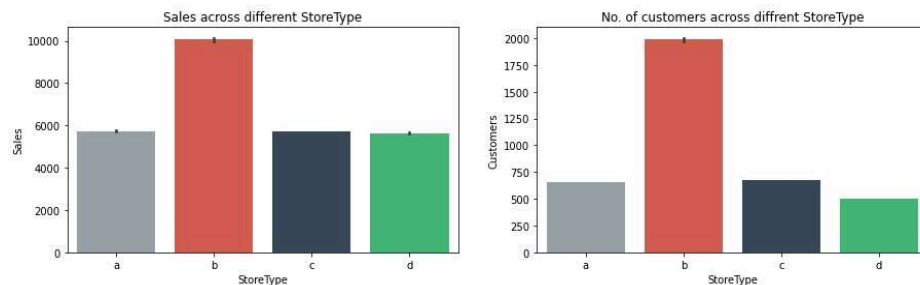 Data

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About

  This App is an end-to-end product
  that enables the Rosemann
  pharmaceutical company to view
  predictions on sales across their
  stores and 6 weeks ahead of time and
  the trends expected.

`st.cache` is deprecated. Please use one of Streamlit's new caching commands, `st.cache_data` or `st.cache_resource`. Based on this function's return value of type `bool`, we recommend using `st.cache_data`.
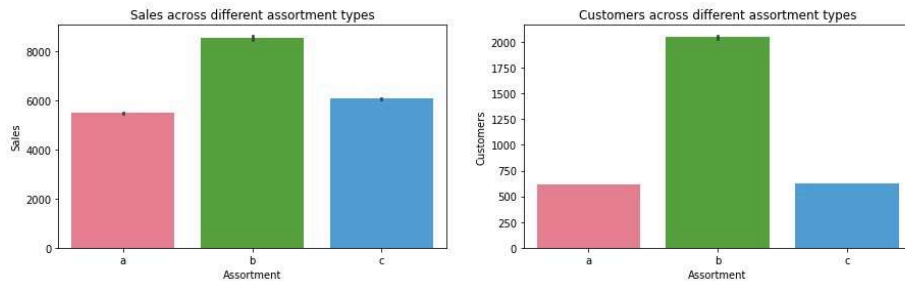
More information in our docs.

Insights from the historical data

StoreType vs Sales and Customers

The most selling and crowded store type is b.
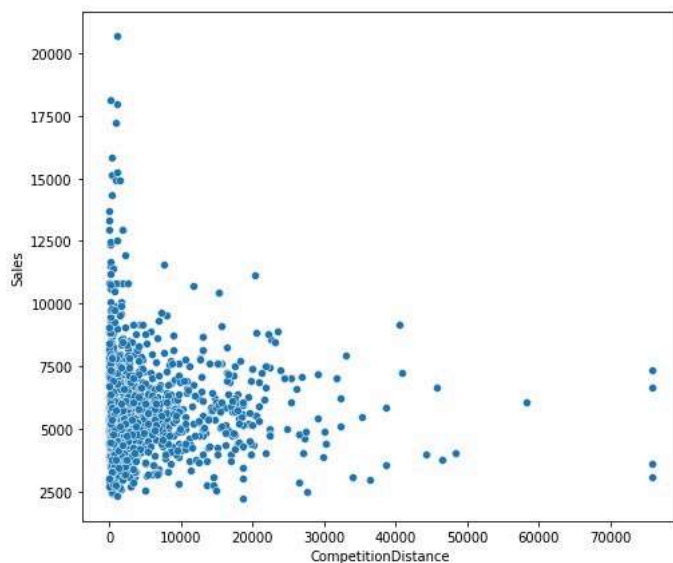
Assortment vs Sales and Customers

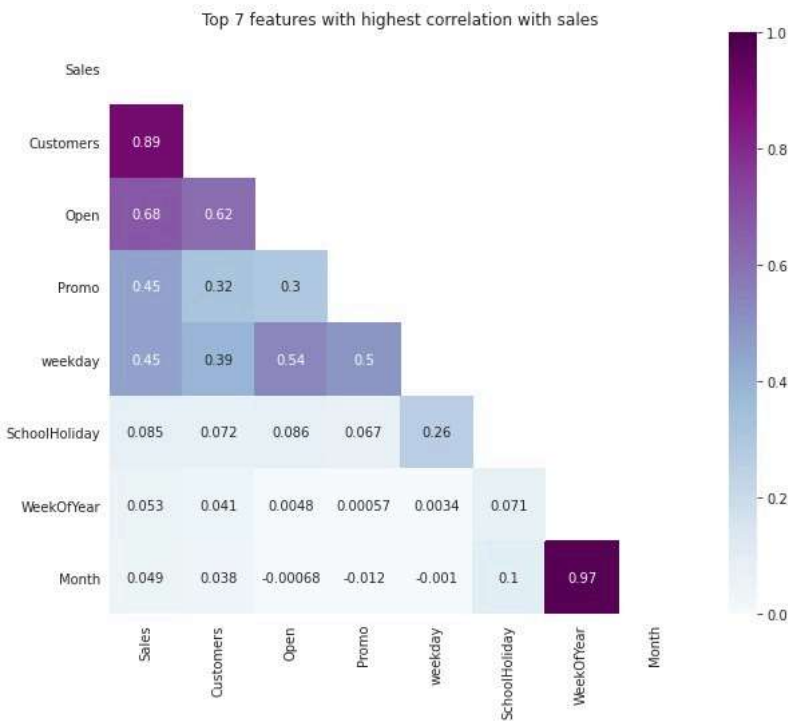The most selling and crowded assortment is b.

Open vs DayOfWeek

Most of the stores are closed at sundays but almost every store is open at saturday.
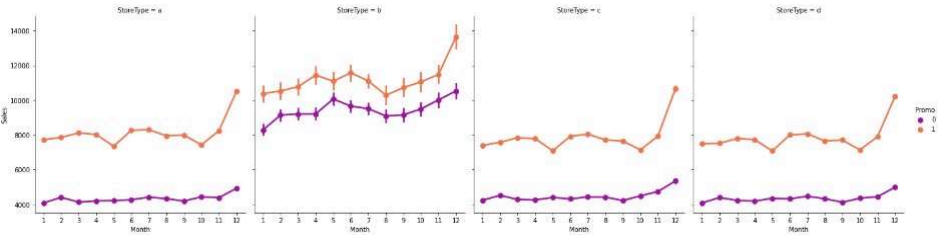

CompetitionDistance vs Sales

Stores with the smallest competition distance have the highest sales. This indicates that the stores are located at city center or near hospitals. Even though having large distance between competitors is ideally considered great for sales, stores located at city centers will still get more sales regardless of competitors distance as there are more customers at city centers.
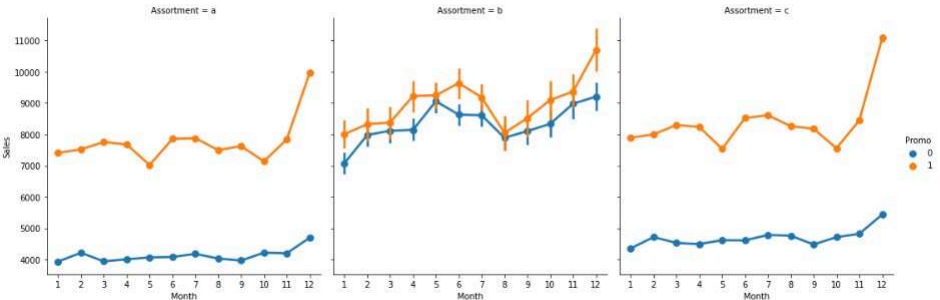

Correlation Analysis

As we can see sales is highly correlated to customers.
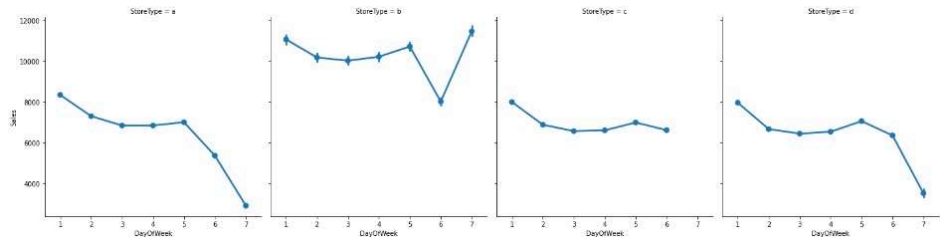

Monthly sales per StoreType and Promo

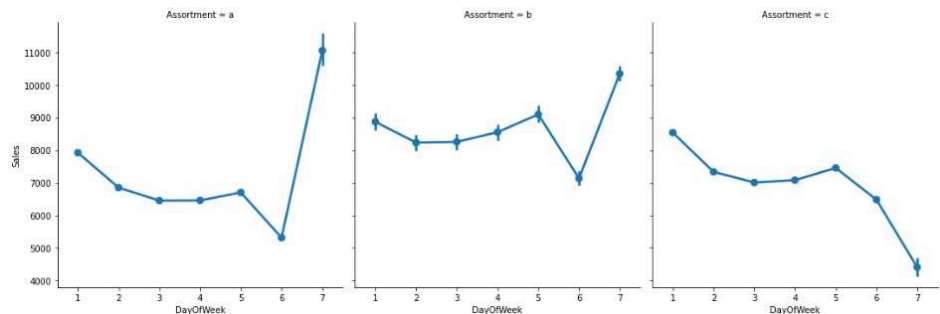# Monthly sales per Assortment and Promo

For all stores, promotion leads to increase in Sales and Customers. But promotions have low impact on store type b and assortment b when comparing to the other store types and assortments. So promotions should be applied more in the other store types and assortments.

Sales of stores open per DayOfWeek and StoreType

Store type b is the most opened store type on all weekdays and has its highest sales on sundays than the other days.
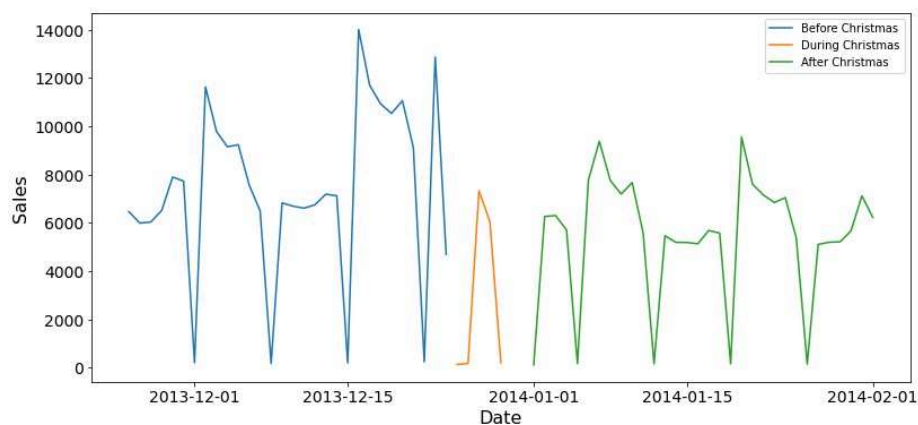
Sales of stores open per DayOfWeek and Assortment

Assortment a and b are the most opened assortments on all weekdays and have their highest sales on Sundays than the other days.

Sales before, after and during Christmas

Sales are increased during Christmas week, especially the week before. This might be due to the fact that people buy more beauty products or some common medicines for precaution during Christmas celebrations.