

Bike Sales Data Analysis With Excel

1. Data Source – Bike Sales - <https://www.kaggle.com/code/stolltho/eda-hypothesis-testing-bike-sales/input?select=Sales.csv>
2. Created a backup of the original sheet and named it Working then applied the following transformations
3. Deleted all calculated columns (Cost, Revenue) from Working sheet
4. Normalization - Created another sheet called Products with unique Products and Unit_Cost and Unit_Price. This was done to reduce the redundancy in the data.
5. Then using XLOOKUP, the Product details were populated into the Working sheet and later the Product ID column was deleted
6. From Working sheet, I removed blank record, duplicate record and separated Product_Description into Product_Type, Product_Color, Product_Size columns
7. Converted Sales Numbers which was in text to Numbers format
8. Data Cleaning – Removed rows that did not have Product Id, Order_Quantity, Day values.
9. Added a VBA script to calculate the week of month
10. Created all Pivot tables in PVSheet
11. Created a Dashboard sheet that displays the graphs related to all the pivot tables in the PVSheet.
12. These interactive charts display the sales per Gender, per Product_Type, WeekNumber, Country, Age_Group. Using the slicers, different combination of data can be analyzed.

