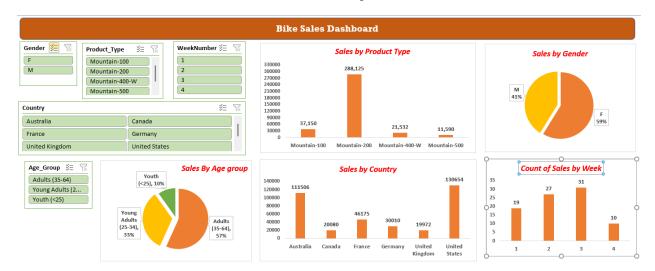
Bike Sales Data Analysis With Excel



- 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 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.
- 13. Below are the pivot tables that were placed in the Dashboard.

2				
_				
3	Gender	¥	Sum of Sales	
4	F		210919	
5	М		147478	
6	Grand Total		358397	
7				
8	Product_Type	*	Sum of Sales	
9	Mountain-100		37150	
10	Mountain-200		288125	
11	Mountain-400-V	٧	21532	
12	Mountain-500		11590	
13	Grand Total		358397	
14				
15	Age_Group	*	Sum of Sales	
16	Adults (35-64)		203421	
17	Young Adults (25	5-3	119646	
18	Youth (<25)		35330	
19	Grand Total		358397	
20				
20				
20 21	Week_Number	*	Count of Sales	
	Week_Number	*	Count of Sales	
21	1	*		
21 22	1 2	*	19	
21 22 23	1 2 3 4	*	19 27	
21 22 23 24	1 2 3 4	~	19 27 31	
21 22 23 24 25	1 2 3 4	~	19 27 31 10 87	
21 22 23 24 25	1 2 3 4 Grand Total	*	19 27 31 10	
21 22 23 24 25 26 27	1 2 3 4 Grand Total		19 27 31 10 87	
21 22 23 24 25 26 27 28	1 2 3 4 Grand Total		19 27 31 10 87 Sum of Sales	
21 22 23 24 25 26 27 28	1 2 3 4 Grand Total Country Australia		19 27 31 10 87 Sum of Sales 111506	
21 22 23 24 25 26 27 28 29	1 2 3 4 Grand Total Country Australia Canada France Germany		19 27 31 10 87 Sum of Sales 111506 20080	
21 22 23 24 25 26 27 28 29 30	1 2 3 4 Grand Total Country Australia Canada France		19 27 31 10 87 Sum of Sales 111506 20080 46175	
21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 Grand Total Country Australia Canada France Germany		19 27 31 10 87 Sum of Sales 111506 20080 46175 30010	
21 22 23 24 25 26 27 28 29 30 31 32 33	1 2 3 4 Grand Total Country Australia Canada France Germany United Kingdom		19 27 31 10 87 Sum of Sales 111506 20080 46175 30010 19972	