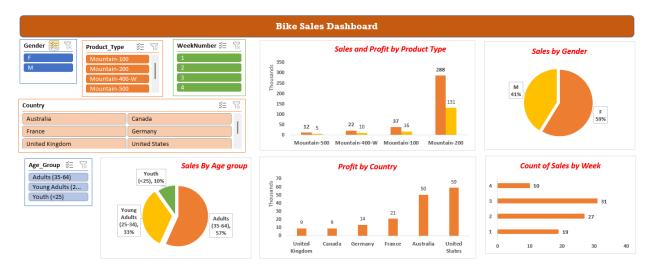
## **Bike Sales Data Analysis With Excel**



- Data Source Bike Sales <a href="https://www.kaggle.com/code/stolltho/eda-hypothesis-testing-bike-sales/input?select=Sales.csv">https://www.kaggle.com/code/stolltho/eda-hypothesis-testing-bike-sales/input?select=Sales.csv</a>
- 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.
- 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.

Gender	Ψ.	Sum of Sales	
F		210,919	
M		147,478	
Grand Total		358,397	
	+		
	ΨÌ	Sum of Sales	
Mountain-500		11,590	5,265
Mountain-400-	W	21,532	9,772
Mountain-100		37,150	
Mountain-200		288,125	
Grand Total		358,397	162,220
Age_Group	₹	Sum of Sales	
Adults (35-64)		203,421	
Young Adults (2	5-3	119,646	
Youth (<25)		35,330	
Grand Total		358,397	
Week_Number	₹	Count of Sales	
1		19	
2		27	
3		31	
4		10	
Grand Total		87	
Country	ψÌ	Sum of Profit	
United Kingdon	n	9,072	
Canada		9,123	
Germany		13,636	
France		20,981	
Australia		50,326	
United States		59,082	
Grand Total		162,220	