***Project Started on 28th June 2023***

***BoAt Project Explanation***

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Boat Product Review Dataset downloaded from [Kaggle.com](http://www.kaggle.com)

*Source Link –* [*LINK*](https://www.kaggle.com/datasets/mansithummar67/boat-product-dataset)*.*

Analyzing BoAt Product Review Dataset to get meaningful insights using Python’s library Pandas, Numpy, Seaborn, Plotly, Matplotlib.

***Steps did for Analysis:-***

1. Imported all the necessary Libraries like Pandas, Numpy, Seaborn, Matplotlib, Plotly.
2. Imported all 9 csv files into specific dataframe.
3. Cleaned all the messy data files in 7 stages, that includes

***Stage 1 :-*** *Dropping duplicates on basis of ProductName.*

***Stage 2 :***- *Triming spaces in ProductName using strip.*

***Stage 3 :***- *Cleaning ProductPrice column and making data type integer*

***Stage 4*** :- *Cleaning NumberofReviews and making data type as integer.*

***Stage 5*** :- *Cleaning Discount Column.*

***Stage 6*** :- *Cleaning Rate and making data type as float.*

***Stage 7*** :- *Dropping Review and Summary columns.*

1. Performed Exploratory Data Analysis [EDA] and asked 10 questions.
2. Top 20 Product with Most Reviews and Discount where there are more than 10 Reviews.
3. Top 10 Products with Highest Rating and Highest Reviews.
4. Product with Most Number Of Reviews.
5. Less Rated products.
6. Estimated Total Sales Generated Only Through Reviewed Products From different Categories.
7. Estimated Total Amount Generated only through reviewed products from different Categories.
8. Overall Revenue Generated from all Categories of Products.
9. Overall Sales Generated from all Categories.
10. Highest and Lowest Discounted Products.
11. Prices Range Scatterplot.

***Project Ended on 7th July 2023***