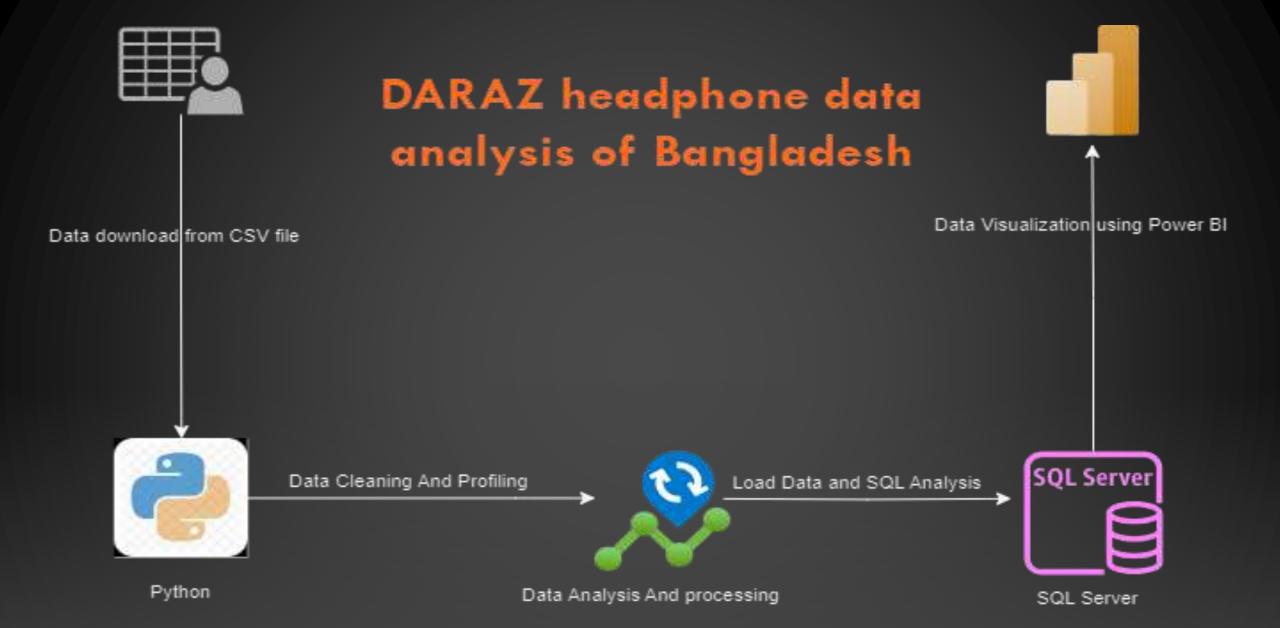


DARAZ headphone data analysis of Bangladesh







Word cloud analysis is a popular tool for visualizing text data due to its simplicity and effectiveness. A word cloud, also known as a text or tag cloud, is a visual representation of text data where the size of each word indicates its frequency or importance within a given text. Word cloud analysis is often used for visualizing the most prominent terms in textual data like documents, reviews, articles, or any collection of words.

Data Analysis By Python

```
import pandas as pd

df = pd.read_csv("headphones_Price_Bangladesh.csv")

df

df.head()
```

	Title	Company_Name	Туре	Colour	orginal_price	dicounted_price	Discount	Rating	Location
0	JBL TUNE 110 In-Ear Earphone	JBL	In-Ear	White	1050.0	899	-14%	-186.0	Bangladesh
1	QKZ CK1 HD HiFi Earphone High Sensitivity fone	QKZ	Earphone	Red	600.0	332	-45%	-256.0	Free Shipping
2	KZ HD9 Earphones HiFi Sport Earbuds Copper Ear	KZ	Wireless	Black	900.0	265	-71%	-424.0	Free Shipping
3	Lenovo HE05 Bluetooth Wireless Headphones	Lenovo	In-Ear	baby pink	1300.0	510	-61%	-2487.0	Free Shipping
4	Original Creative High Bass Audio Earphone with	Orignal	Earphoone	Active black	299.0	135	-55%	-144.0	Bangladesh

import matplotlib.pyplot as plt import seaborn as sns

- Different price range segments for headphones in Bangladesh
- Brand with most product offerings for the Bd Market
- Brand catering to all different segments (low price range, mid price range, high price range)
- Most common color and type (on the ear/in the ear etc.) offered by various brands
- Compare Two Brands based on details
- Are higher rated headphones always high-priced or expensive? and so on...

Data Analysis By SQL

```
--***Find top 15 highest brand in daraz***
with cte as (
select t.Company_Name, count(1) as Brancd_count from db_finance..headphones_Price_Bangladesh t
group by t.Company_Name
select * from (
select *
, row_number() over(partition by Company_Name order by Brancd_count desc) as rn
) A
where rak=15
--***Find brand wise total price***
select * from
(select t.Company_Name, sum(t.dicounted_price) price from db_finance..headphones_Price_Bangladesh t
group by t.Company_Name)v
order by v.price desc
--***Find most popular colour type wise***
select t.Type, t.Colour , count(1)C from db_finance..headphones_Price_Bangladesh t
group by t. Type, t. Colour
--***Find sentiment analysis***
select t.sentiment, count(1)C from db finance..headphones Price Bangladesh t
group by t.sentiment
--***Different price range segments for headphones in Bangladesh***
-- Ranges: low = less than 500, medium = 500 - 1500, high = 1500+
(select v1.Price_range, count(1) Number_of_earphone, sum(v1.dicounted_price) Total_Price from
(select t.Company Name,
        case when t.dicounted price < 500 then 'low'
                 when t.dicounted_price between 500 and 1500 then 'medium'
                 when t.dicounted_price > 1500 then 'high'
                end price_range, t.dicounted_price
from db_finance..headphones_Price_Bangladesh t)v1
group by v1.price_range)v2
order by v2.Number_of_earphone desc
```

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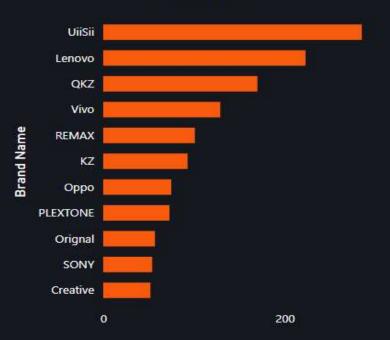


DARAZ headphone data analysis of Bangladesh

Different price range segments for headphones



Top 10 Brand with most headphone offerings in Daraz BD



Word Cloud of Customer Reviews



Sentiment analysis by Rating



Sell By Type





THANK YOU