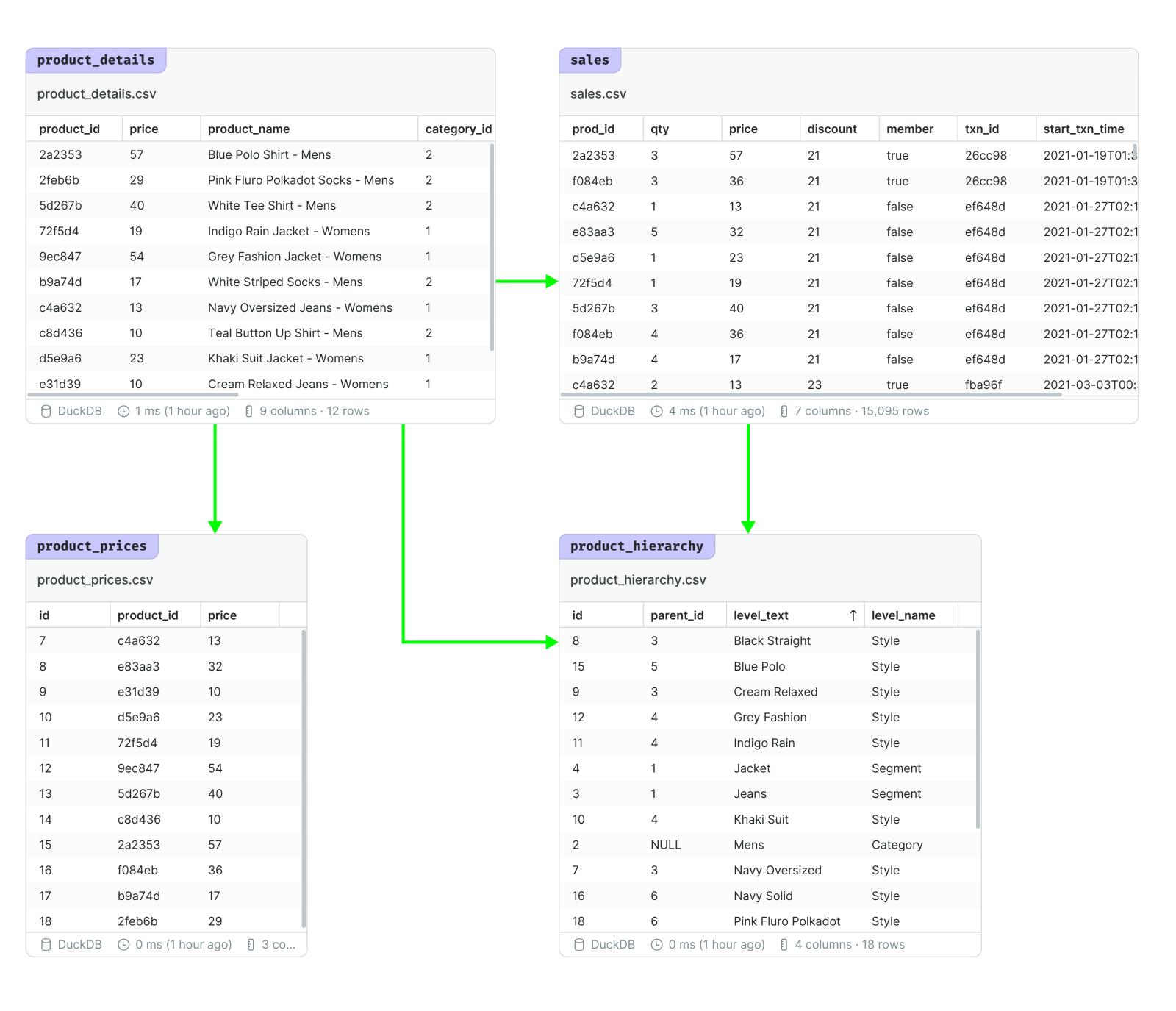
## **Texture Tales**

#### BY ANUSH BHARATHWAJ L



### A) What was the total quantity sold for all products?

```
All Products - Total Qauntity
select
  details.product_name as product,
  sum(qty) as qty
from
  product_details as details
  inner join sales on details.product_id = sales.prod_id
group by
  product
order by
  qty desc;
product
                                qty
Grey Fashion Jacket - Womens
                                3876
Navy Oversized Jeans - Womens
                                3856
Blue Polo Shirt - Mens
                                3819
White Tee Shirt - Mens
                                3800
Navy Solid Socks - Mens
                                3792
Black Straight Jeans - Womens
                                3786
Pink Fluro Polkadot Socks - Mens
                                3770
                                3757
Indigo Rain Jacket - Womens
                                3752
Khaki Suit Jacket - Womens
                                3707
Cream Relaxed Jeans - Womens
                                3655
White Striped Socks - Mens
DuckDB © 22 ms (1 hour ago) 2 columns · 12 rows
```

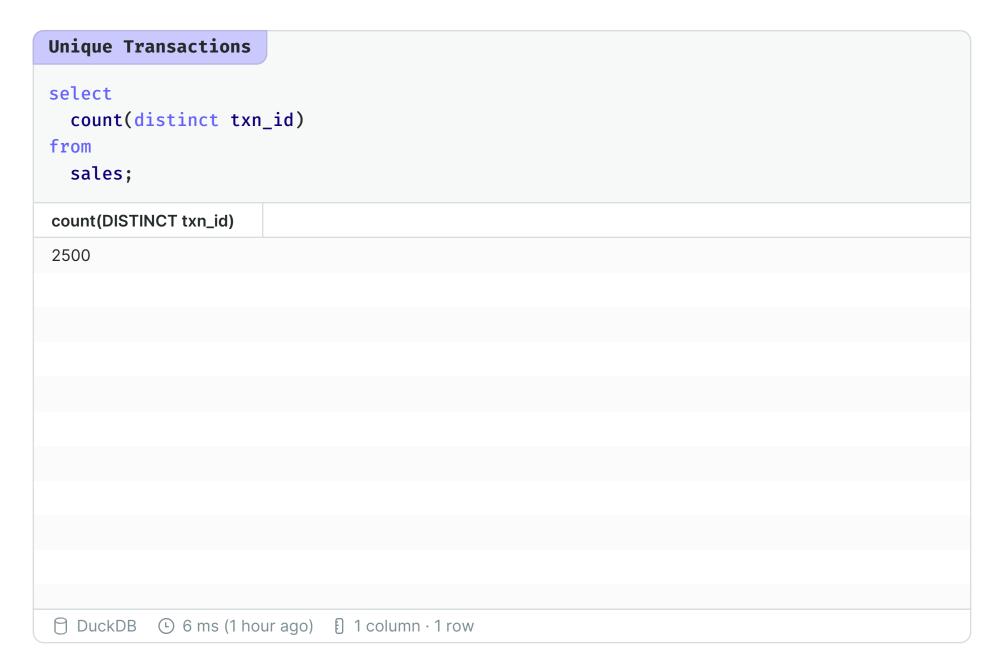
### B) What is the total generated revenue for all products before discounts?



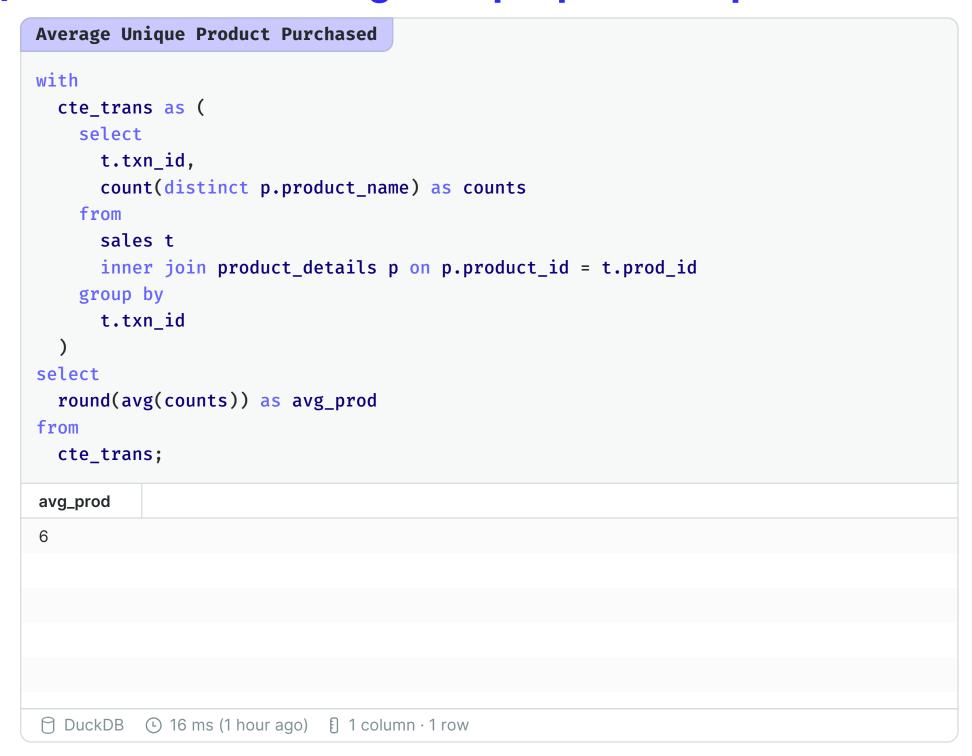
### C) What was the total discount amount for all products?



### D) How many unique transactions were there?



### E) What are the average unique products purchased in each transaction?



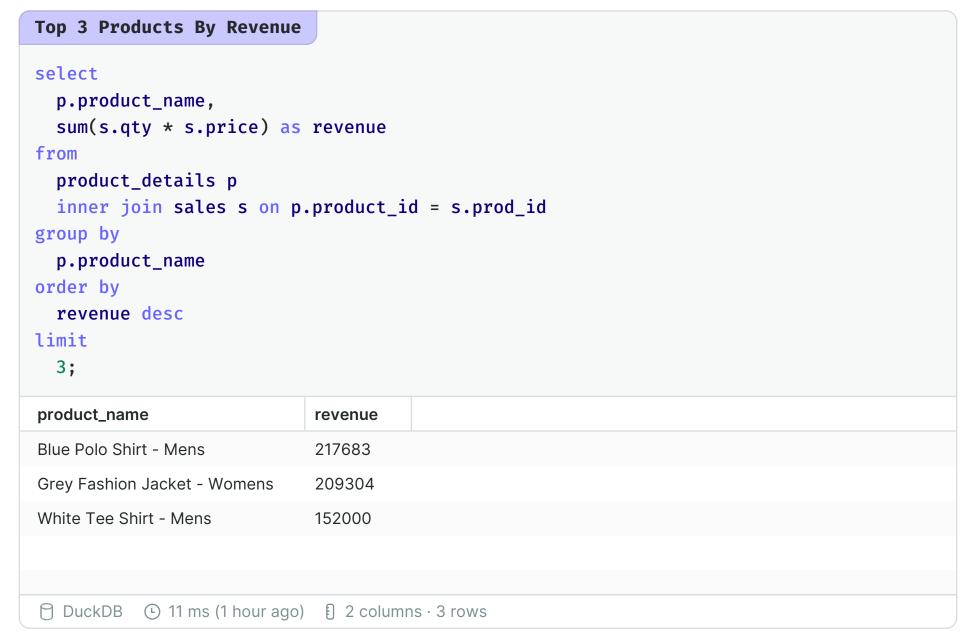
### F) What is the average discount value per transaction?

```
Average Discount Per Transaction
with
  cte_discount as (
   select
     txn_id,
      sum(discount * qty * price) / 100 as discount
      sales
    group by
     txn_id
select
  round(avg(discount)) as avg_discount
from
  cte_discount;
avg_discount
62
DuckDB © 5 ms (1 hour ago) 1 column · 1 row
```

# G) What is the average revenue for member transactions and non- member transactions?



### H) What are the top 3 products by total revenue before discount?



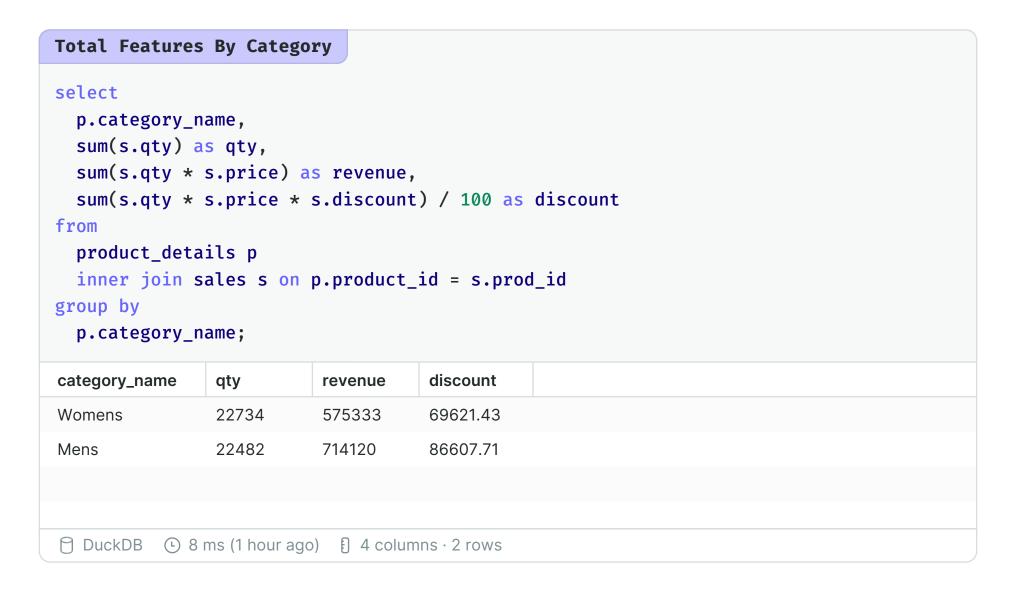
### I) What are the total quantity, revenue and discount for each segment?

```
Discount For Each Segment
select
  p.segment_id,
  p.segment_name,
 sum(s.qty * s.price) as revenue,
 sum(s.qty * s.price * s.discount) / 100 as discount
from
  sales s
 inner join product_details p on p.product_id = s.prod_id
group by
  p.segment_name,
  p.segment_id;
                                       discount
segment_id
             segment_name
                            revenue
3
                            208350
                                       25343.97
             Jeans
                                       49594.27
             Shirt
                            406143
             Socks
                            307977
                                       37013.44
             Jacket
                            366983
                                       44277.46
DuckDB (1 hour ago) (1 4 columns · 4 rows
```

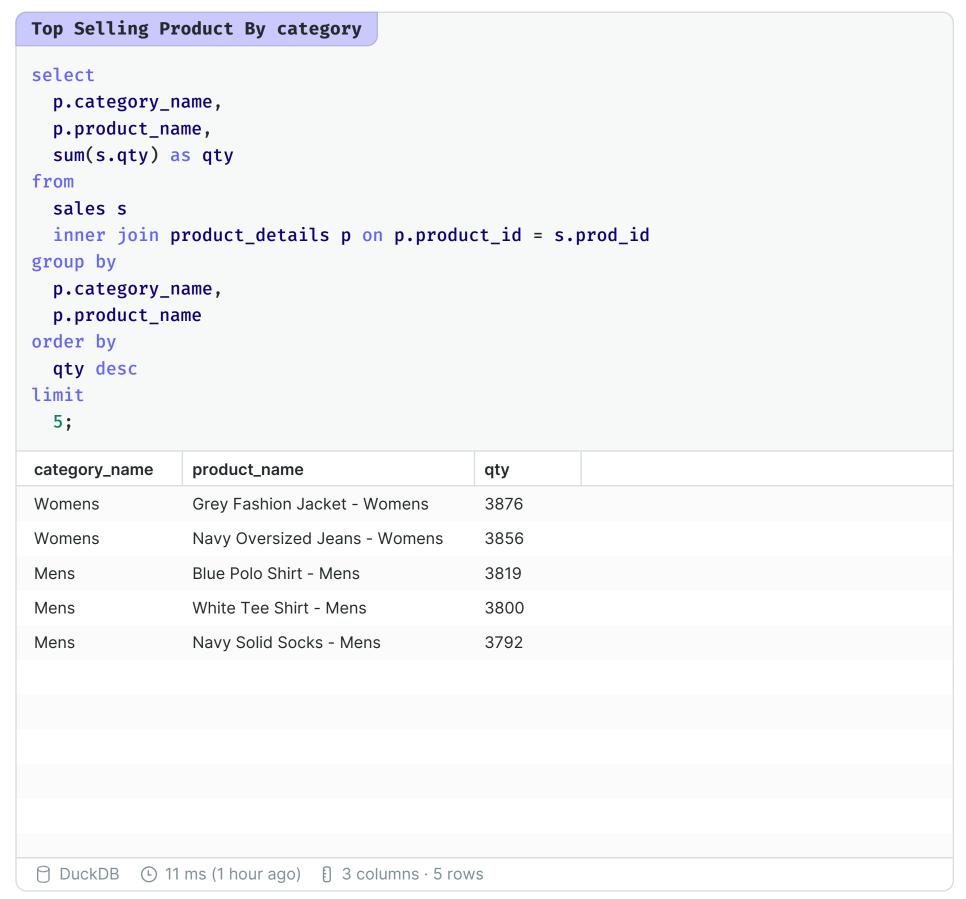
### J) What is the top selling product for each segment?

from product_	id, t_name, t_name, y) as qty details p in sales s t_name, t_name, t_id,	on p.product_i	d = s.prod_id		
					I
product_id	style_id	segment_name	product_name	qty	
product_id c4a632	style_id 7	segment_name Jeans	product_name  Navy Oversized Jeans - Womens	<b>qty</b> 3856	
-					
c4a632	7	Jeans	Navy Oversized Jeans - Womens	3856	
c4a632 5d267b	7 13	Jeans Shirt	Navy Oversized Jeans - Womens White Tee Shirt - Mens	3856 3800	
c4a632 5d267b b9a74d	7 13 17	Jeans Shirt Socks	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens	3856 3800 3655	
c4a632 5d267b b9a74d 2feb6b	7 13 17 18	Jeans Shirt Socks Socks	Navy Oversized Jeans - Womens  White Tee Shirt - Mens  White Striped Socks - Mens  Pink Fluro Polkadot Socks - Mens	3856 3800 3655 3770	
c4a632 5d267b b9a74d 2feb6b e31d39	7 13 17 18 9	Jeans Shirt Socks Socks Jeans	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens Pink Fluro Polkadot Socks - Mens Cream Relaxed Jeans - Womens	3856 3800 3655 3770 3707	
c4a632 5d267b b9a74d 2feb6b e31d39 72f5d4	7 13 17 18 9 11	Jeans Shirt Socks Socks Jeans Jacket	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens Pink Fluro Polkadot Socks - Mens Cream Relaxed Jeans - Womens Indigo Rain Jacket - Womens	3856 3800 3655 3770 3707 3757	
c4a632 5d267b b9a74d 2feb6b e31d39 72f5d4 2a2353	7 13 17 18 9 11	Jeans Shirt Socks Socks Jeans Jacket Shirt	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens Pink Fluro Polkadot Socks - Mens Cream Relaxed Jeans - Womens Indigo Rain Jacket - Womens Blue Polo Shirt - Mens	3856 3800 3655 3770 3707 3757 3819	
c4a632 5d267b b9a74d 2feb6b e31d39 72f5d4 2a2353 f084eb	7 13 17 18 9 11 15 16	Jeans Shirt Socks Socks Jeans Jacket Shirt Socks	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens Pink Fluro Polkadot Socks - Mens Cream Relaxed Jeans - Womens Indigo Rain Jacket - Womens Blue Polo Shirt - Mens Navy Solid Socks - Mens	3856 3800 3655 3770 3707 3757 3819 3792	
c4a632 5d267b b9a74d 2feb6b e31d39 72f5d4 2a2353 f084eb e83aa3	7 13 17 18 9 11 15 16	Jeans Shirt Socks Socks Jeans Jacket Shirt Socks Jeans	Navy Oversized Jeans - Womens White Tee Shirt - Mens White Striped Socks - Mens Pink Fluro Polkadot Socks - Mens Cream Relaxed Jeans - Womens Indigo Rain Jacket - Womens Blue Polo Shirt - Mens Navy Solid Socks - Mens Black Straight Jeans - Womens	3856 3800 3655 3770 3707 3757 3819 3792 3786	

### K) What are the total quantity, revenue and discount for each category?



### L) What is the top selling product for each category?



#### **Sources And Refrences**

**Query Dataset:** <a href="https://drive.google.com/drive/folders/1Hb1DTluGE0gabzZOaDQeIRYtDS2IZBSD">https://drive.google.com/drive/folders/1Hb1DTluGE0gabzZOaDQeIRYtDS2IZBSD</a>

**CSV Dataset:** <a href="https://drive.google.com/drive/folders/1etpT6qXWDQ6VASTYPbYY6FYYN-7CSm7n?">https://drive.google.com/drive/folders/1etpT6qXWDQ6VASTYPbYY6FYYN-7CSm7n?</a>
<a href="mailto:usp=sharing">usp=sharing</a>

My Portfolio: <a href="https://anushbharathwaj.w3spaces.com/">https://anushbharathwaj.w3spaces.com/</a>

Report: <a href="https://drive.google.com/file/d/1PSH2s0-YkMxS0f2PQ9uFEgH0D4a\_q20Q/view?">https://drive.google.com/file/d/1PSH2s0-YkMxS0f2PQ9uFEgH0D4a\_q20Q/view?</a>

<u>usp=sharing</u>