SQL-REPORT

Total Number of product, Avg. Current Price, Total Number of Reviews:

```sql
select
    distinct count(product_title) as 'Total Number of Products',
    Round(AVG(product_price),2) as 'Average Current Price',
    sum(product_num_ratings) as 'Total number of reviews'
from product_by_category;
```

	Total Number of Products	Average Current Price	Total number of reviews
1	1732	101.67	10808960

Average, Median, Max of Current Price and Original Price:

```sql
select
    ROUND(AVG(product_price),2) as 'Avg. Current Price',
    ROUND(AVG(product_original_price),2) as 'Avg. Original Price',
    ROUND(MAX(product_price),2) as 'Max Current Price',
    ROUND(MAX(product_original_price),2) as 'Max Original Price',
    (SELECT distinct PERCENTILE_CONT(0.5)
        WITHIN GROUP (ORDER BY product_price) OVER ()
    FROM product_by_category) as 'Median of Current Price',
    (SELECT distinct PERCENTILE_CONT(0.5)
        WITHIN GROUP (ORDER BY product_original_price) OVER ()
    FROM product_by_category) as 'Median of Original Price'
from product_by_category;
```

	Avg. Current Price	Avg. Original Price	Max Current Price	Max Original Price	Median of Current Price	Median of Original Price
1	101.67	148.58	999.99	959.98	49.99	99.99

Top 10 products by price

```sql
select top 10
    product_title as 'Product Title',
    Max(product_price) as 'Current Price'
from product_by_category
group by product_title
order by 'Current Price' desc;
```

	Product Title	Current Price
1	Panasonic W95 Series 55-inch Mini LED 4K Ultra HD S...	999.99
2	Ring Floodlight Cam Wired Pro with Bird's Eye View and...	999.96
3	Amazon Fire TV 65" Omni QLED Series 4K UHD s...	819.98
4	Ring Floodlight Cam Wired Pro with Bird's Eye View and...	809.97
5	Amazon Fire TV 65" Omni Series 4K UHD smart T...	764.97
6	Amazon Fire TV 65" Omni QLED Series 4K UHD s...	734.98
7	Fire TV Bundle: Includes Amazon Fire TV 65" Om...	709.98
8	Amazon eero PoE Gateway and eero PoE 6, ceiling/wa...	699.98
9	Blink Outdoor 4 (4th Gen) + Blink Mini – Smart security c...	659.98
10	Blink Outdoor 4 (4th Gen) + Blink Mini – Smart security c...	659.98

Amazon prime ratio

```sql
select
    is_prime as 'Amazon Prime',
    count(is_prime) as 'Total Number of Product',
    count(is_prime) * 100 / sum(count(is_prime)) over() as 'Percentage'
from product_by_category

group by is_prime;
```

	Amazon Prime	Total Number of Product	Percentage
1	0	1071	61
2	1	661	38

Climate Pledge Friendly ratio:

```sql
select
    climate_pledge_friendly as 'Climate Pledge Friendly',
    count(climate_pledge_friendly) as 'Total Number of Product',
    count(climate_pledge_friendly) * 100 / sum(count(climate_pledge_friendly)) over() as
'Percentage'
from product_by_category
group by climate_pledge_friendly;
```

	Climate Pledge Friendly	Total Number of Product	Percentage
1	0	1336	77
2	1	396	22