

Intern2grow Internship

In these Slides we will try to provide a valuable solutions to the 7 questions .

Let's go .

Q1- what was total revenue generated by the company over the course of the year?

In this Questions we rely on sum function to sum all revenues in all days in the year so we found the total revenue over the course of the year is 747230\$

Q2- which product had the highest revenue? How much revenue did it generated?

Here we want to sum all revenues of the product

And we have a lot of products so we want to group

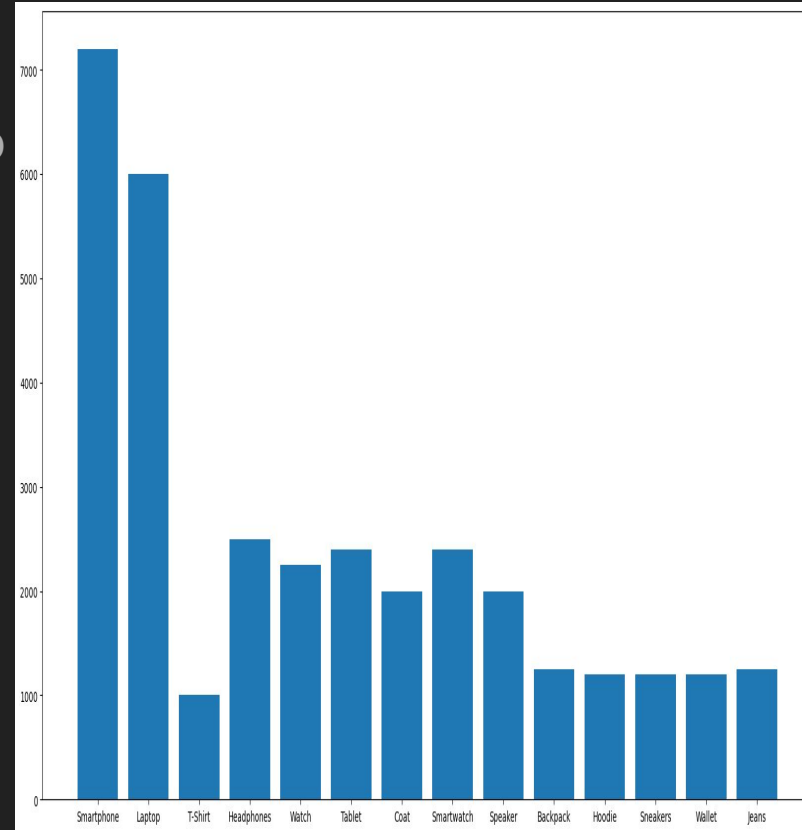
All revenues to specific product . i used group by

Function and sum function to calculate total

Revenue to each product so the product had the

Highest revenue is Smartphone and it did

427800\$.



Q3- what was the Average price of product sold by company?

In this Questions we rely on mean function to get Average of all prices and the rounded Average is 210.66 .

So i provided a table to avg of all each

Product price and i see laptops is the most

Expensive product between all our products

price_avg	
product	
Laptop	1200.0
Smartphone	600.0
Tablet	400.0
Smartwatch	200.0
Watch	150.0
Coat	100.0
Headphones	100.0
Sneakers	80.0
Speaker	80.0
Backpack	50.0
Jeans	50.0
Hoodie	40.0
Wallet	30.0
T-Shirt	20.0

Q4- What was total quantity of products sold by company?

Also here i used sum function to calculate total product

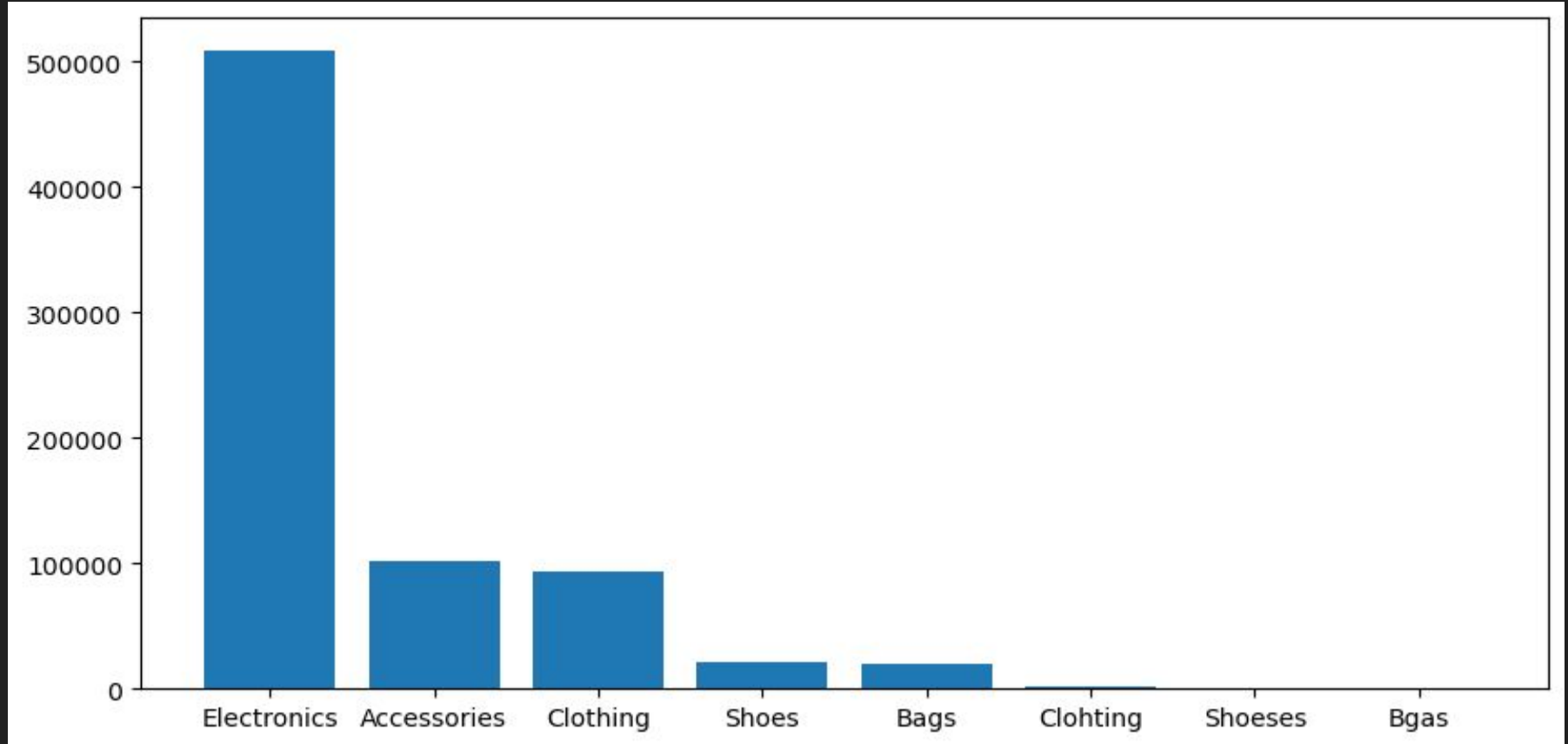
Quantity That company sold so the total product is 5270

Unit.

So from this table i see that T-shirts and smartphone are the Highest two product and very far from other products and i see If company increase phones marketing that will make a huge Difference in smartphones sold quantity.

total_quantity	
product	
T-Shirt	1005.0
Smartphone	713.0
Speaker	496.0
Hoodie	495.0
Jeans	413.0
Backpack	408.0
Wallet	405.0
Coat	338.0
Smartwatch	294.0
Sneakers	270.0
Watch	203.0
Headphones	180.0
Tablet	45.0
Laptop	5.0

Q5- which category had the highest revenue? How much did it generated?



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In this Question and as we saw in the previous figure Electronics has the highest revenue and it generated 509480\$.

We can make some insights like it is a logic that electronics has the highest revenue because phones is the highest product revenue

And laptops is the highest average price.

Q6- what was the average revenue per sale?

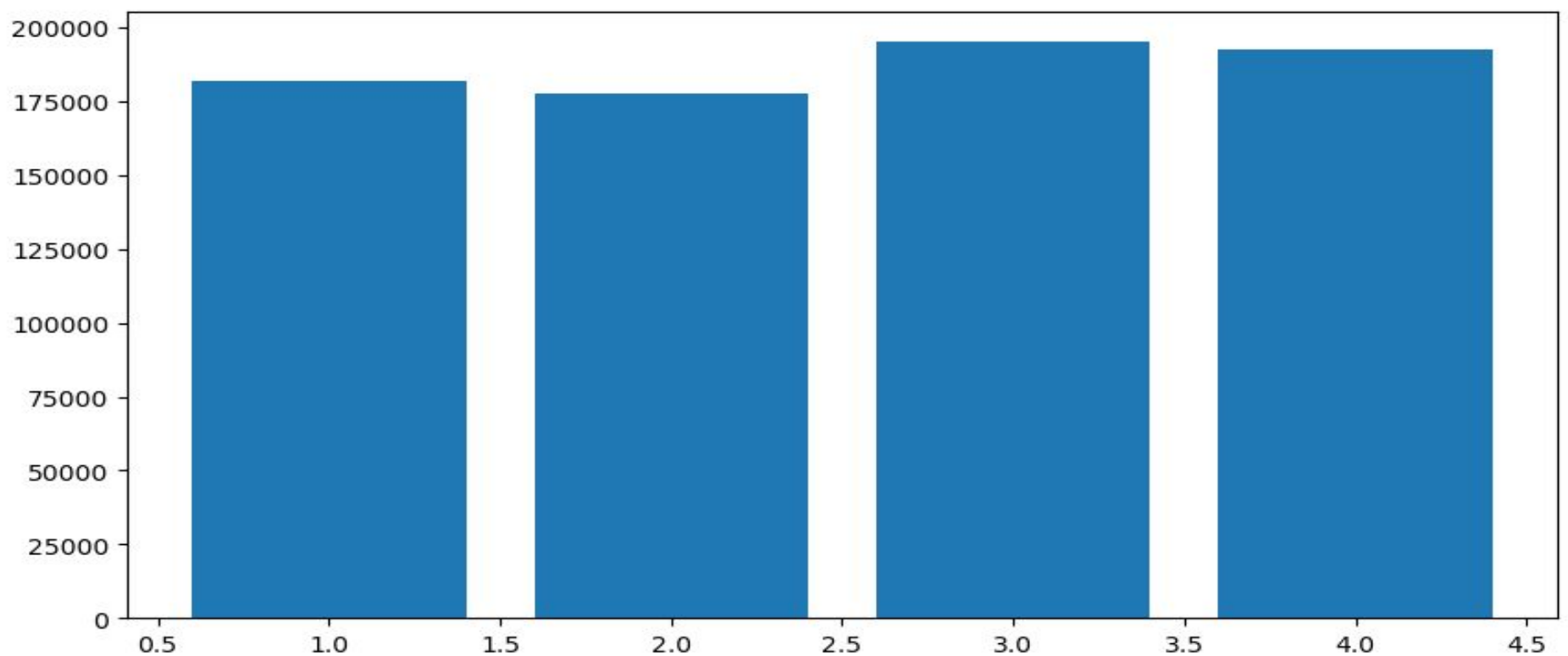
Here we used mean function to revenue column to calculate

Average per sale so the average per sale is 2052.83

So with this table i saw the two highest products are laptops and smartphones and this answer the question what electronic Category has the highest revenue.

revenue	
product	
Laptop	6000.000000
Smartphone	5281.481481
Tablet	2000.000000
Smartwatch	1680.000000
Speaker	1587.200000
Watch	1450.000000
Headphones	1384.615385
Wallet	1104.545455
Coat	965.714286
Sneakers	900.000000
Hoodie	860.869565
Jeans	860.416667
Backpack	850.000000
T-Shirt	528.947368

Q7- what was the total revenue generated in each quarter of the year?



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Here in this question we divided the date column of the Year to 4 quarters to calculate the total revenue.

And the results are :

Q1 is 182100\$

Q2 is 177370\$

Q3 is 195430\$

Q4 is 192330\$

	quarter	revenue
0	1	182100.0
1	2	177370.0
2	3	195430.0
3	4	192330.0