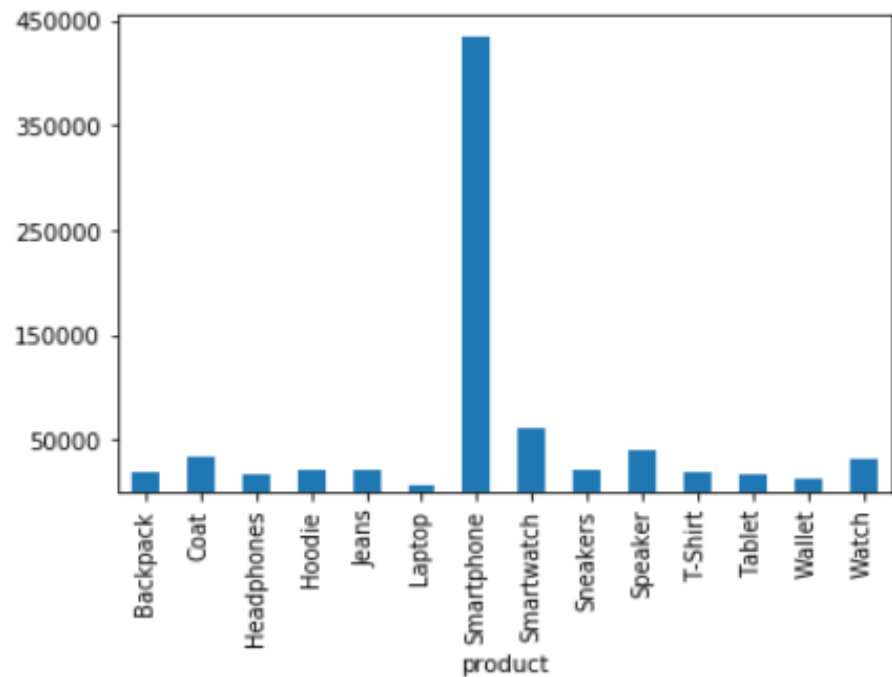# Intern2Grow

Sales Data Analysis

Agenda:

1. What was the total revenue generated by the company over the course of the year?

2. Which product had the highest revenue? How much revenue did it generate?

3. What was the average price of a product sold by the company?

4. What was the total quantity of products sold by the company?

5.What was the average revenue per sale?

6. Which category had the highest revenue? How much revenue did it generate?

 7. What was the total revenue generated in each quarter of the year?

1-We have a 369 order during the last year

-Total revenue is : **760330**

-The highest product revenue is : Smartphone

-With total revenue : **434400**

Product	Revenue
Backpack	20400
Coat	33800
Headphones	18000
Hoodie	21000
Jeans	20650
Laptop	6000
Smartphone	434400
Smartwatch	60800
Sneakers	21600
Speaker	39680
T-Shirt	20100
Tablet	18000
Wallet	13200
Watch	32700

Average price of product is : **210**

```
data ["price"].mean()
```
210.5691056910569

Total quantity of product : **5371**

```
data ["quantity"].sum()
```
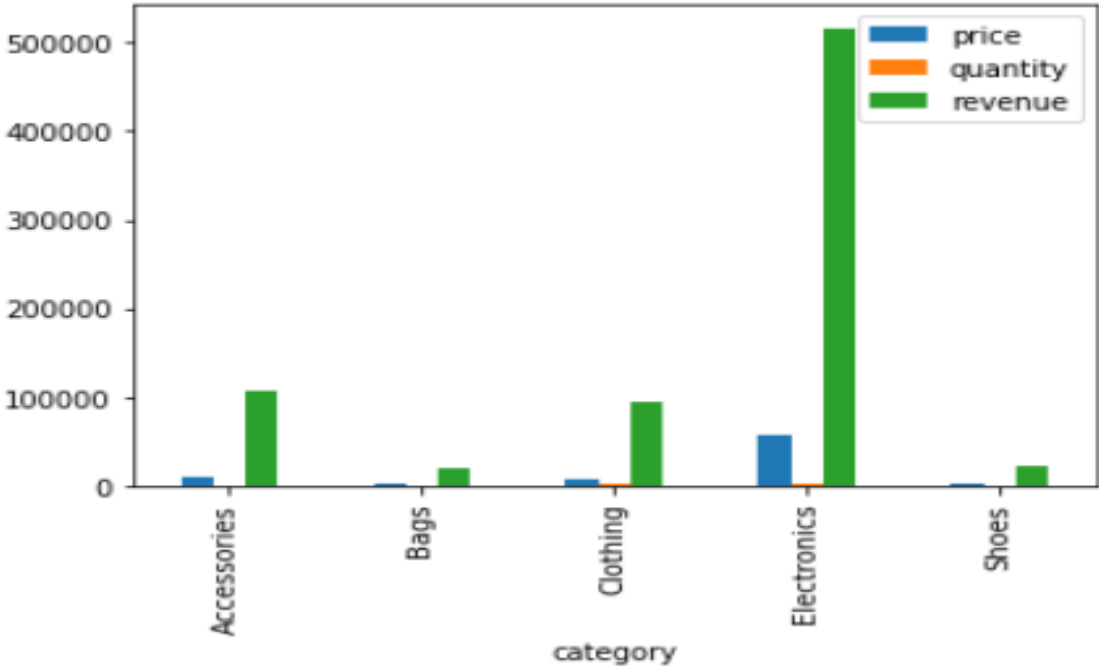5371.0

Avarage revenue per sale : 2060

```
data["revenue"].mean()
```
2060.5149051490516

	price	quantity	revenue
count	369.000000	369.000000	369.000000
mean	210.569106	14.555556	2060.514905
std	226.934800	8.586059	1908.335265
min	20.000000	3.000000	300.000000
25%	50.000000	8.000000	800.000000
50%	100.000000	12.000000	1200.000000
75%	200.000000	20.000000	2400.000000
max	1200.000000	50.000000	7200.000000

The highest category sales is **Electronics** with total revenue :**516080**

category	price	quantity	revenue
Accessories	10860.0	962.0	106700.0
Bags	1200.0	408.0	20400.0
Clothing	6420.0	2281.0	95550.0
Electronics	57300.0	1450.0	516080.0
Shoes	1920.0	270.0	21600.0

Quarter three has the highest sales by total : **197680**

q	price	quantity	revenue	month
1	19910.0	1322.0	182100.0	182
2	18770.0	1318.0	185970.0	455
3	19570.0	1335.0	197680.0	735
4	19450.0	1396.0	194580.0	1033