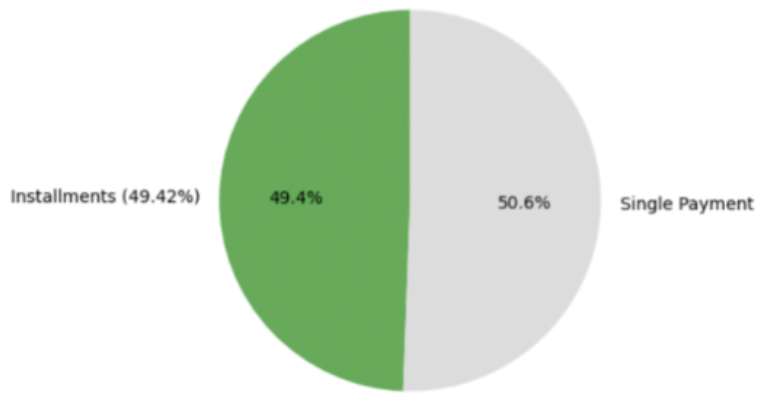


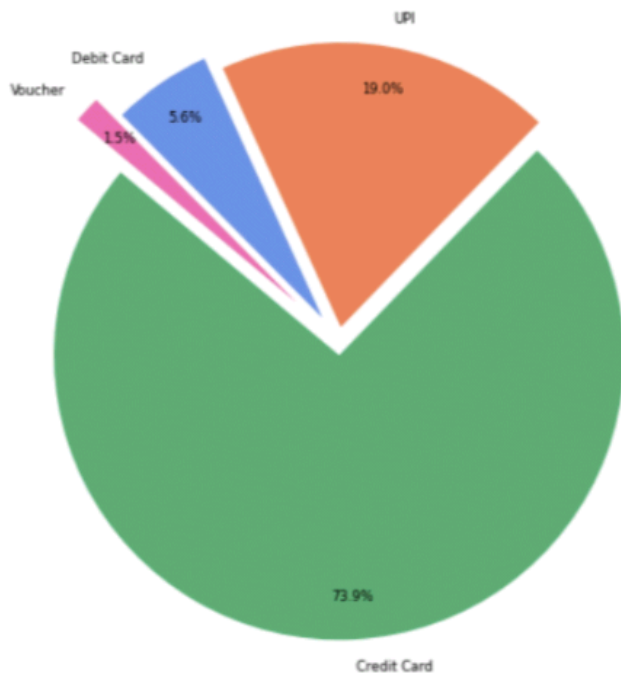
Percentage of Payments with Installments



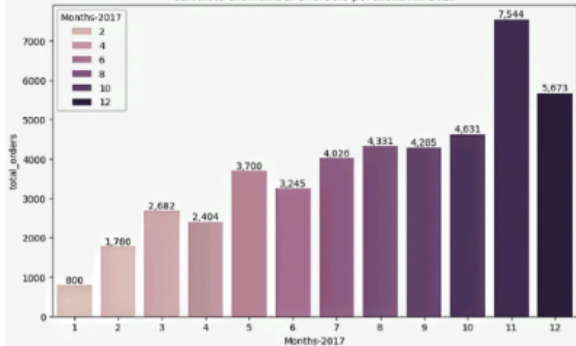
percentage\_installments

0 49.42

Ratio of Payment Types

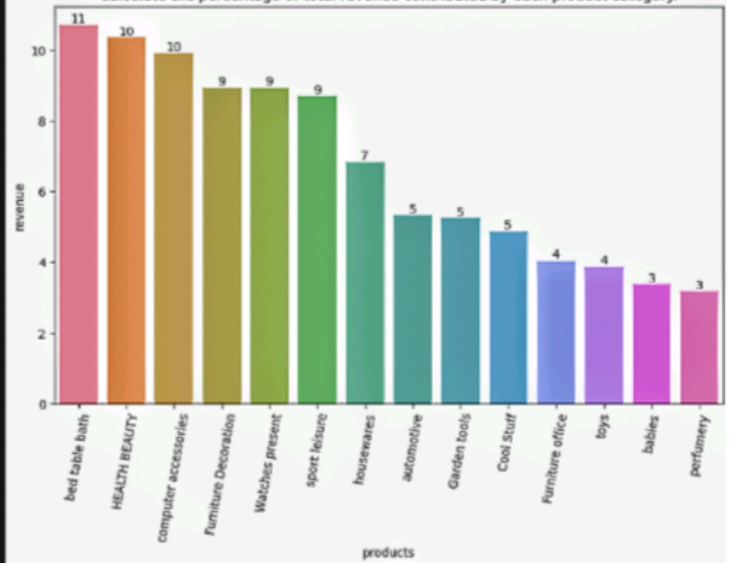


Calculate the number of orders per month in 2017

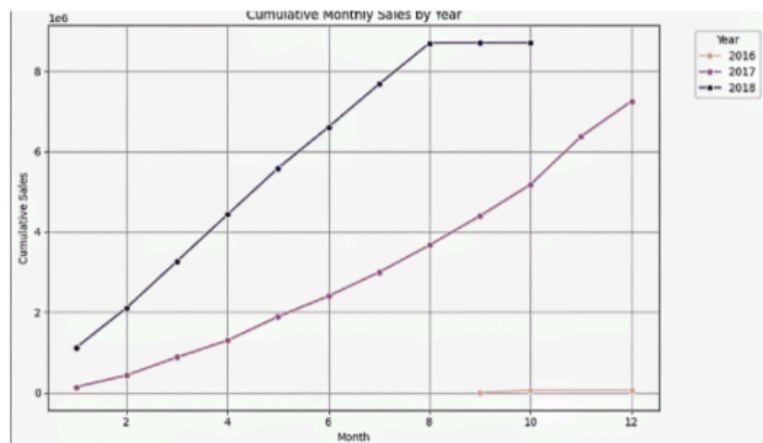


Months-2017	total_orders
1	800
2	1780
3	2682
4	2404
5	3700
6	3245
7	4026
8	4331
9	4285
10	4631
11	7544
12	5673

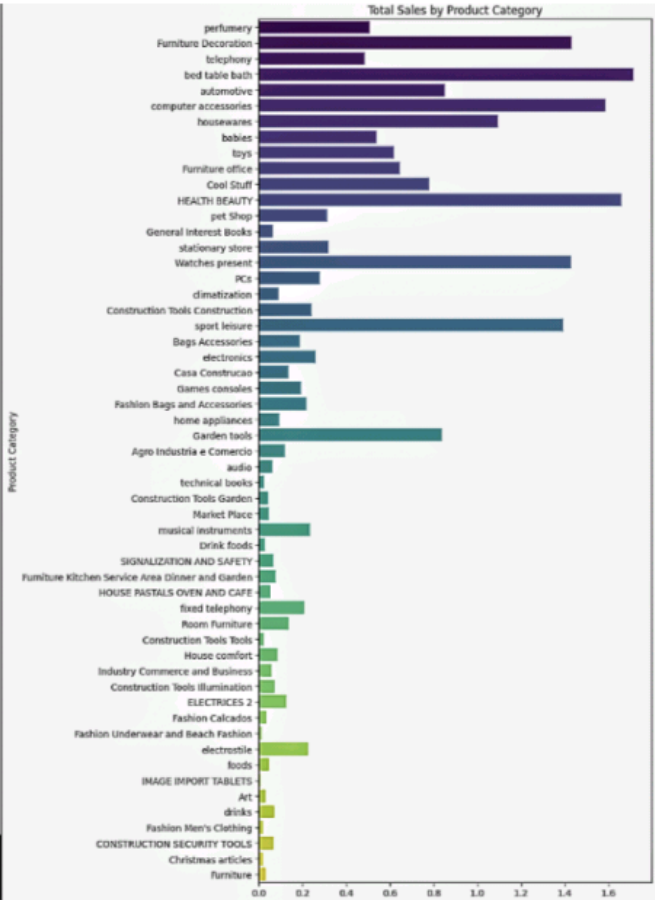
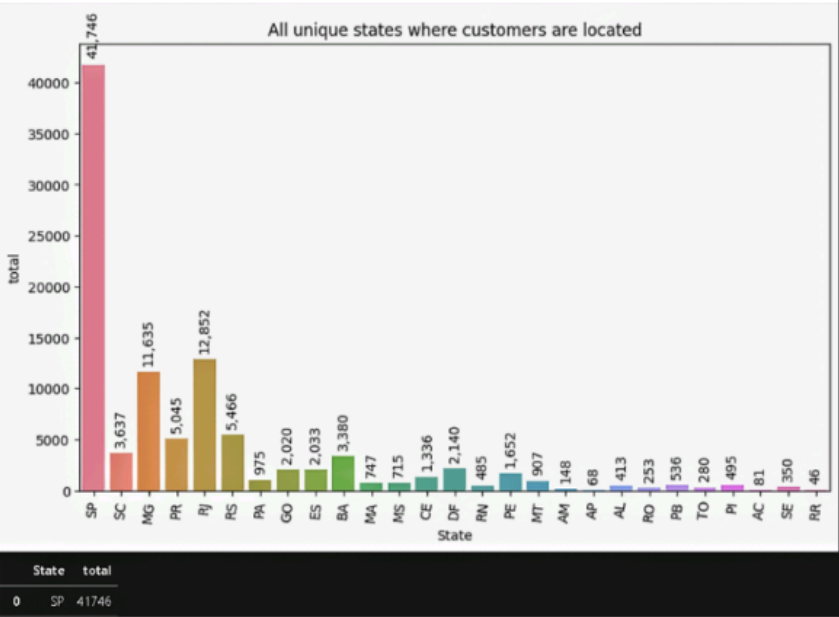
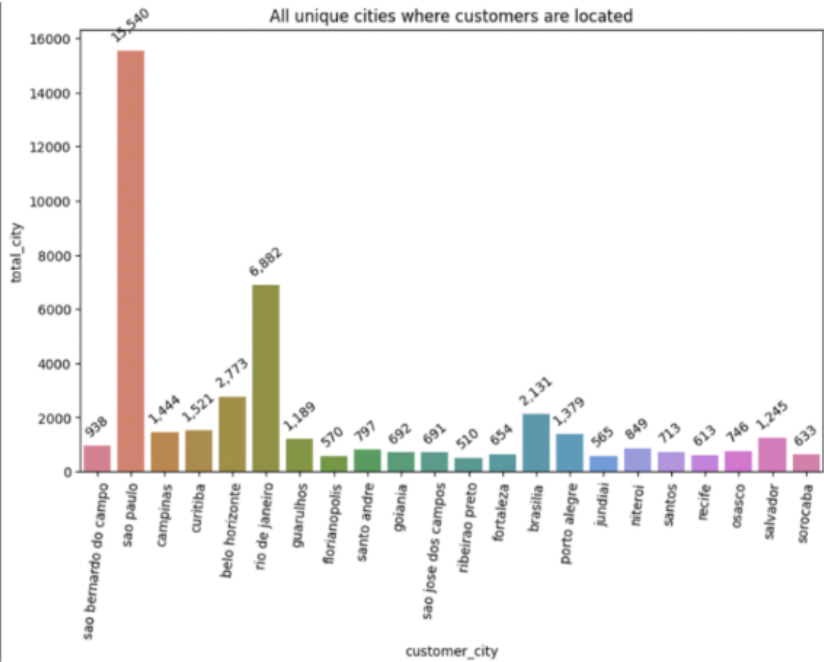
Calculate the percentage of total revenue contributed by each product category.



	products	revenue
0	bed table bath	10.70
1	HEALTH BEAUTY	10.35
2	computer accessories	9.90
3	Furniture Decoration	8.93
4	Watches present	8.93
5	sport leisure	8.70
6	housewares	6.84
7	automotive	5.32
8	Garden tools	5.24
9	Cool Stuff	4.87
10	Furniture office	4.04
11	toys	3.67
12	babies	3.37
13	perfumery	3.17



year	Month	monthly_sales	cumulative_sum
2016	9	2.52400e+02	2.52400e+02
2016	10	5.90940e+04	5.93422e+04
2016	12	1.96200e+01	5.93622e+04
2017	1	1.26400e+05	1.26400e+05
2017	2	2.91900e+05	4.30390e+05
2017	3	4.49900e+05	8.80290e+05
2017	4	4.17390e+05	1.29964e+06
2017	5	5.92910e+05	1.89255e+06
2017	6	5.11270e+05	2.40382e+06
2017	7	5.92300e+05	2.99612e+06
2017	8	6.74760e+05	3.66902e+06
2017	9	7.27700e+05	4.39670e+06
2017	10	7.79677e+05	5.17637e+06
2017	11	1.19400e+06	6.37137e+06
2017	12	6.78401e+05	7.04977e+06
2018	1	1.11900e+06	1.11900e+06
2018	2	9.92400e+05	2.10740e+06
2018	3	1.19600e+06	3.26720e+06
2018	4	1.18070e+06	4.42790e+06
2018	5	1.15260e+06	5.58050e+06
2018	6	1.02380e+06	6.60430e+06
2018	7	1.06650e+06	7.67080e+06
2018	8	1.02340e+06	8.69420e+06
2018	9	4.43950e+03	8.69863e+06
2018	10	5.89200e+02	8.69922e+06



city	average_orders
alto paraíso de goias	3
celso ramos	6
nova esperança do sul	3
inconfidentes	4
capela	3
ipua	3
ouvidor	3
morro de são paulo	4
teixeira soares	4
pacuja	3
curralinho	4
brasileia	3
datas	6
ubata	3
padre carvalho	7
candido godoi	6
pedregulho	3
cidelandia	4
matias olimpio	5
pícarra	4
jose boiteux	3
chapadão do lagoado	3
bunti	3

The chart displays the 'Average Moving Payment Value' on the y-axis (ranging from 0 to 14,000 in increments of 2,000) against the 'Order Purchase Date' on the x-axis (spanning from 2016-10 to 2018-10). The data is represented by a single orange line that shows significant volatility. There is a period of low activity in late 2016 and early 2017, followed by a sharp increase. A major peak occurs in late 2017, reaching nearly 14,000. Following this peak, the values fluctuate between approximately 2,000 and 7,000 until mid-2018, after which they drop significantly, remaining below 1,000 through the end of 2018.

Identify the number of times a product has been purchased

products	total number of times it is purchased
bed table bath	3129
sport leisure	2867
Furniture Decoration	2657
HEALTH BEAUTY	2444
housewares	2335
automotive	1900
computer accessories	1639
toys	1411
Watches present	1329
telephony	1134
babies	919
perfumery	868
Fashion Bags and Accessories	849
stationary store	849
Cool Stuff	789
Garden tools	753
pet Shop	719
electronics	517
Construction Tools Construction	400
home appliances	370
Bags Accessories	349
Games consoles	317
Furniture office	309
musical instruments	289
electrostile	231
Casa Construcão	225
General Interest Books	216
Fashion Calçados	173
Room Furniture	156
climatization	124
technical books	123
fixed telephony	116
House comfort	111
Market Place	104
Drink foods	104
Fashion Men's Clothing	95
Furniture Kitchen Service Area Dinner and Garden	94
SIGNALIZATION AND SAFETY	93
CONSTRUCTION SECURITY TOOLS	91
ELECTRICES 2	80

Sequence	reads
78576144830069e9f8365c6d021a9	1
102350e2d4447041d86c918e550e6fa	2
4b3c491125744c298e9937436149384	2
1265f91017618146a9949023122109	2
5324395a1664c36430216185180905	2
d86c2814d6b17ae28114c35b4b6b4a	2
46697a5b27719c48462d3252b2	2
9559e3164651b417ae5c931770e69	1
6a1c139e144785c478bdc2f6ca94	1
7e91a34ad3c4829b3033420b2733a	1
656021a338a19902c366c6c44e94c0	1
7a67c6e8e5b3a0e2c35f201ae2716	1
25cc3916367446a9761a3d203c3d1	1
a1013ba46174ff5360c482372b4e4	1

	seller_id	revenue
6	7c7c1a4a3006949b4365ca4a09318a9	3.17
1	1023902d344af720a1d8c1782af350d7c4	1.93
2	4a3a303157a74ac9ef8a127a3c34c3386a	1.88
3	1150f830176da81daa99a9002322300	1.81
4	532a3585a1464c236a30216a185348305	1.78
5	da9622b19e9c17a6302116aac983da059a	1.76
6	43097a2c4c277a76c4a643dc12a52a2	1.65
7	9159a01216a659d175aa01311700ca69	1.48
8	f4c1c1202614d7a5c47c9c9c12f6cd48a	1.29
9	7d51aa3c130c4af01031a393420b7753a	1.16
10	6568321a118c7992b3a96c6ca4a7d9e0	1.12
11	7a67c43d501a3c0a531a1512031aa736c	1.06
12	25c5e89462807ee46a9ba1a3a241524d31	1.00
13	a10a3baa14d731ff1356a9a4021529ae0	0.96

Year	Customer ID	Total Payment
2016	498-964027412326ac3467218843768	~1400
	10344c2596360a6c47d713ac8ca173	~1200
	4a0314e296a670756ac42457583813	~1000
	36176135775626f8a56a541c478c1c	~1000
2017	cb27731c3b918450680c74934a3a39	~13800
	9067173bc4fa1a12585054a47c78c	~7000
	ec52b4a62e5f434238087f633f4af3c	~6800
	848d4a4a0baae3381c259136991ab3f	~5000
2018	eb2a2127226ba8f26c1a0c9356a7258	~7500
	848d4a4a0baae3381c259136991ab3f	~7000
	ec52b4a62e5f434238087f633f4af3c	~6800
	498-964027412326ac3467218843768	~4800