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		F	0-17	10	A	2	0	12	1422
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000000	P00375436	F	26-35	15	0	4+		20	137
000038	P00375436	F	55+		C	2	0	20	365
000029	P00371644	F	46-50		0	4+		20	49
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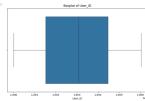
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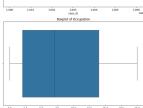
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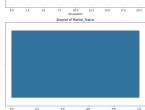
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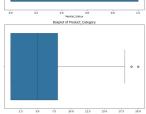
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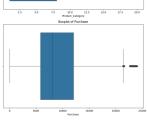
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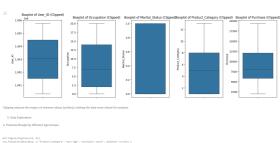










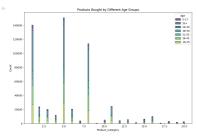


Clipping reduces the impact of extreme values (outliers), making the data more robus.

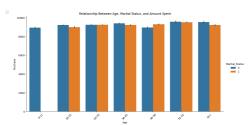
3. Data Exploration

a. Products Bought by Different Age Groups

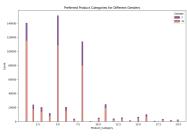
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plt.titis('Poduct Rought by Different Age Grape')
plt.sbe()



import seaborn as ens import matplotlib.pyplot as plt



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plt.flagme(figlia=[12.8])
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                                                         Age Group: 8-17
Sample Sire: 300 - Mean: 8934.323504000002, 55% CI: [8275.588926666667, 9500.001666666665]
Sample Sire: 3000 - Mean: 8033.382826566600, 55% CI: [8787.600041666666, 9127.110032323333
                                                         Age Group: 55+
Sample Size: 300 - Mean: 9310.97339333312, 95% SI: [877.18895666666, 9012.00083333333]
Sample Size: 3000 - Mean: 9336.65531533332, 95% SI: [8157.18866666666, 9513.00031666666
                                                         Age Group: 66-50
Sample Size: 300 - Mean: 9207.75206666666, 95% CI: [8656.9205, 9774.070909090909]
Sample Size: 3000 - Mean: 9200.09566666666, 95% CI: [8031.790282333333, 9386.23979266666
Sample Size: 30000 - Mean: 5000.65666283333, 95% CI: [9152.168005, 9266.82285583335]
                                                         Age Group: 51-55
Sample Size: 300 - Pean: 9533.546300000002, 95% CI: [8642.89075, 16038.365780900000]
Sample Size: 3000 - Pean: 9555.66136000000, 95% CI: [8652.69025, 977.792580333332]
Sample Size: 30000 - Pean: 9534.856607306668, 95% CI: [9477.63800333333, 9592.6623850
                                                         Age Group: 36-45
Sample Size: 380 - Mean: 9330.061857333314, 65% CI: [8765.921, 9901.128333333332]
Sample Size: 3800 - Mean: 9330.0825802, 65% CI: [8365.772183333333, 9585.086955]
Sample Size: 38000 - Mean: 9331.4736366801, 95% CI: [9276.45568768001, 9380.688025]
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