Discounts Are they beneficial?

Let's look at the numbers



Current Concerns

Marketing

Beneficial

- in the long run
- Customer acquisition
- Retention
- Satisfaction

Investors

Worried about

- Aggressive discounts
- Increased orders but decreasing revenue
- Position in the premium segment





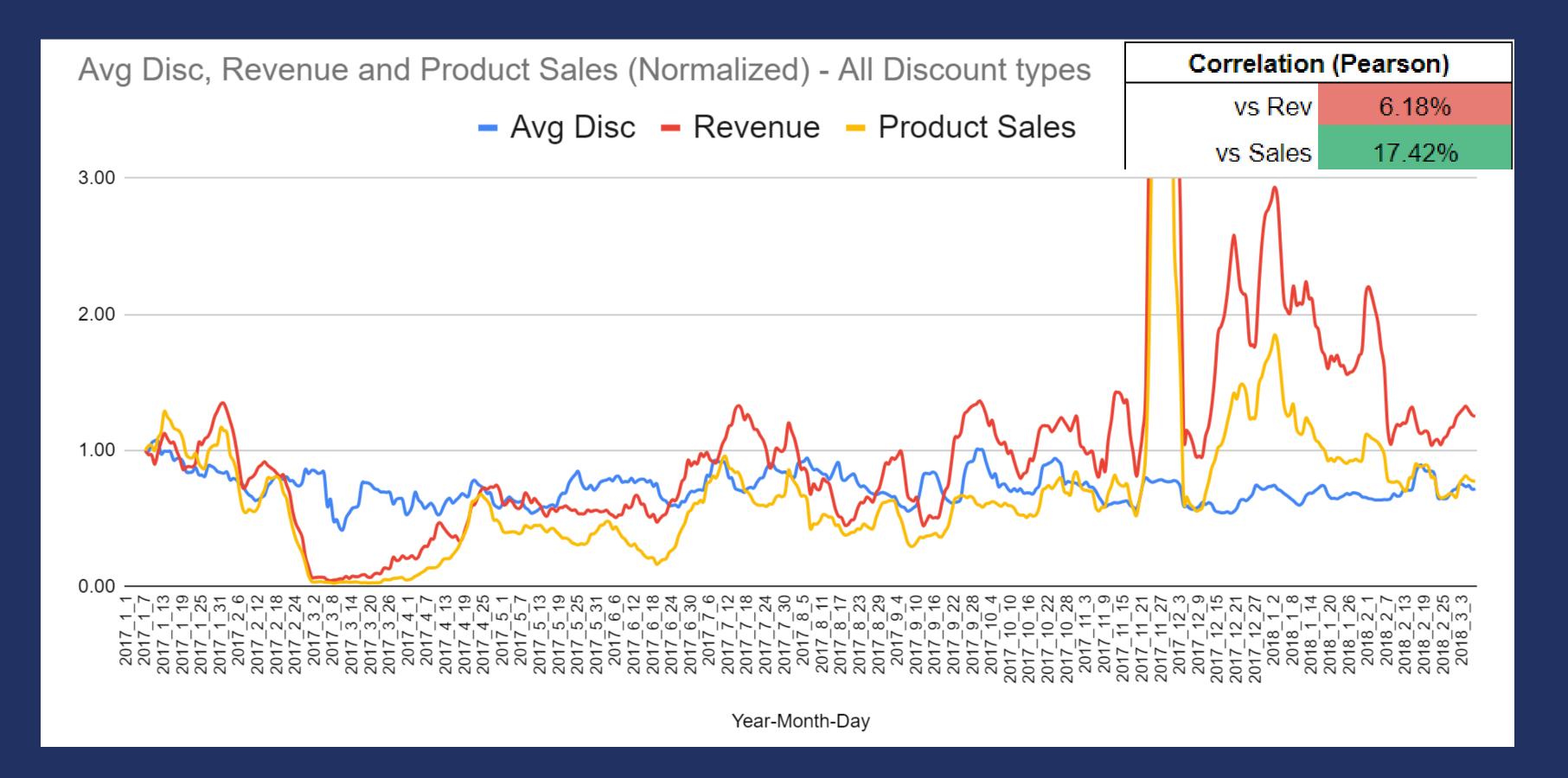
Key Questions

Are discounts beneficial?

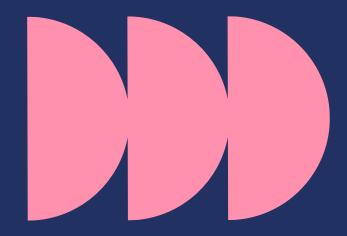
- Do discounts influence sales?
 - First time purchases
 - repeat purchases
 - Cross-sales
- Are there specific conditions for success?
 - Certain seasons or times
 - Specific high-performing categories
- Can increased revenue offset lower profit margins?



Discounts & Sales Correlation



Correlation (Jan-Mar 2017)				
vs Rev	49.32%			
vs Sales	55.60%			
Correlation (Apr-Jun 2017)				
vs Rev	9.72%			
vs Sales	8.20%			
Correlation (Jul-Sep 2017)				
vs Rev	-5.18%			
vs Sales	40.15%			
Correlation (Oct-Dec 2017)				
vs Rev	-28.51%			
vs Sales	-29.48%			
Correlation (Jan-Mar 2018)				
vs Rev	-43.15%			
vs Sales	-9.69%			



Time Correlation

Defining Discounts High > 20% > Low

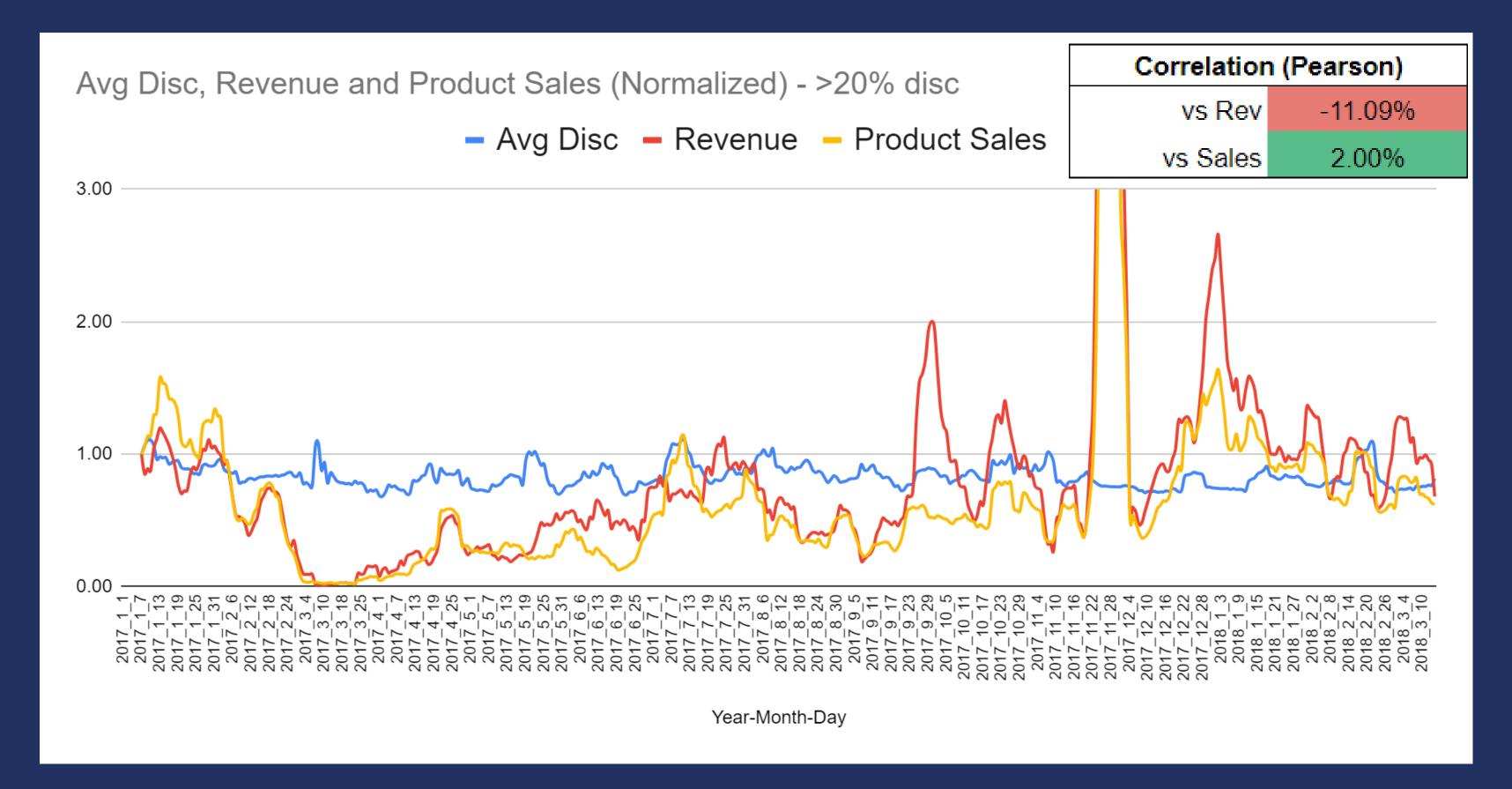
Avg Discount	High Disc	Low Disc
Computing Devices	26.99%	8.88%
miscellaneous	35.71%	7.16%
Mobile Accessories	38.96%	11.97%
Power and Charging	47.29%	11.07%
Repair and Upgrades	26.12%	15.02%
Smart Gadgets	32.90%	11.81%
Storage Solutions	27.11%	10.41%
Grand Total	30.79%	8.90%



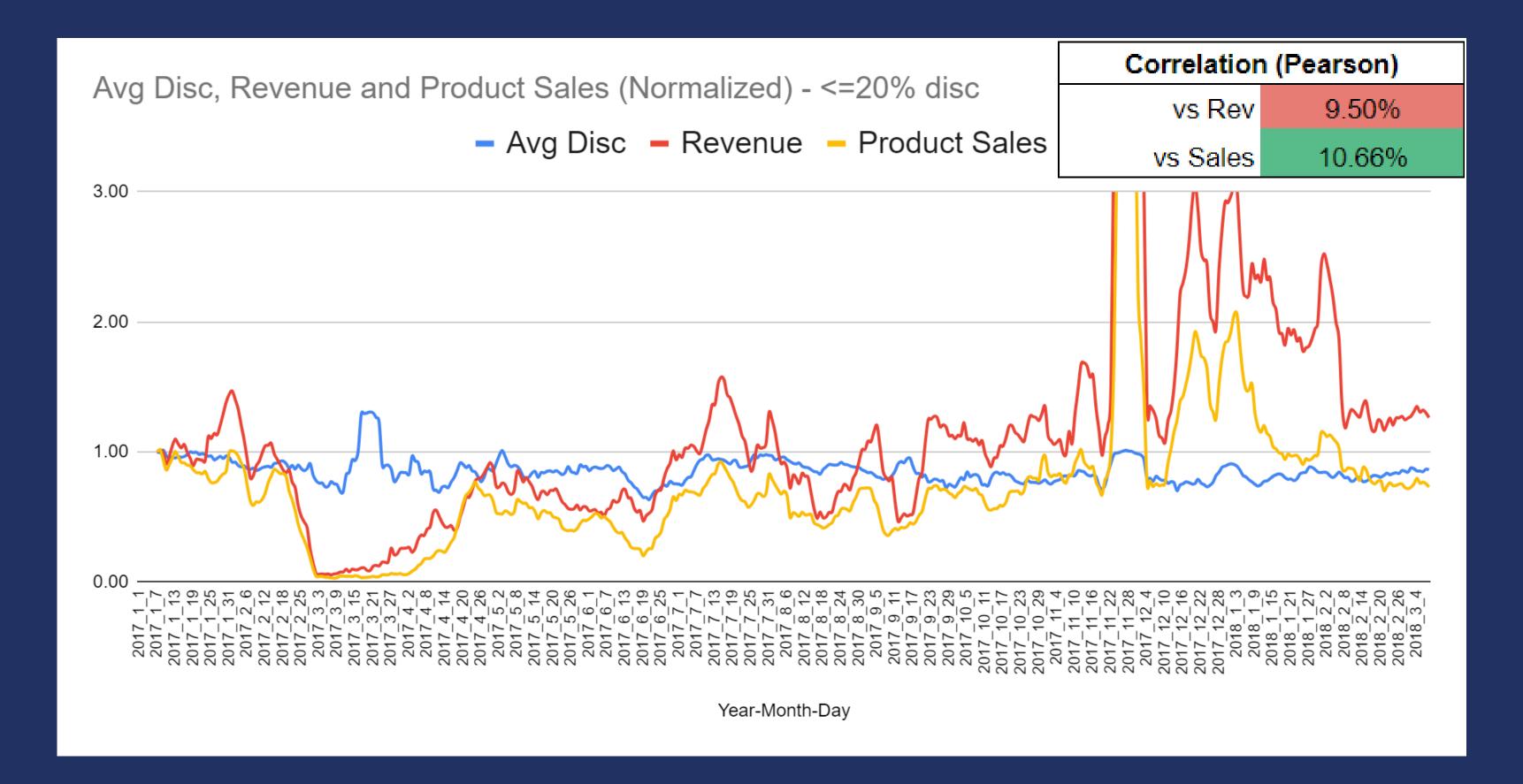
Is there a correlation between different discount levels and sales?



High Discounts & Sales Correlation



Low Discounts & Sales Correlation



Therefore are discounts driving sales?



No



Revenue Erosion from

Aggressive Discounts

Discount type>	HIGH		LOW	
	Sales	Revenue	Sales	Revenue
Computing Devices	6%	6%	9%	33%
miscellaneous	15%	4%	16%	26%
Mobile Accessories	7%	1%	4%	1%
Power and Charging	1%	0%	1%	0%
Repair and Upgrades	1%	1%	1%	1%
Smart Gadgets	7%	3%	8%	5%
Storage Solutions	8%	5%	16%	14%
	46%	21%	54%	79%



Potential Areas of Improvement



Customer Data

Essential for long term benefit analysis

Margin Data

Operational costs are needed to calculate profit impact



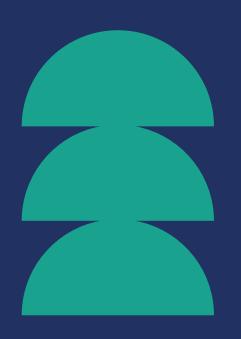
Further Research

Correlation of specific times and categories has further potential

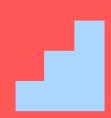


Data Maintenance

The dataset contains some corruption that could be investigated



Recommendations



Sales

Aggressive discounts do not increase sales



Margin

Discounts cut into profit



Discounts

Reduce aggressive discounts



A/B Test

A/B test aggressive discounts at intervals

Thankyou

From

Abdessamad Brett Iman Nikhil







Avg Price	High Disc	Low Disc
Computing Devices	€332.99	€967.13
miscellaneous	€103.79	€410.26
Mobile Accessories	€56.30	€77.85
Power and Charging	€45.94	€58.72
Repair and Upgrades	€286.44	€274.17
Smart Gadgets	€143.32	€164.40
Storage Solutions	€181.04	€219.75
Grand Total	€148.09	€375.39

