

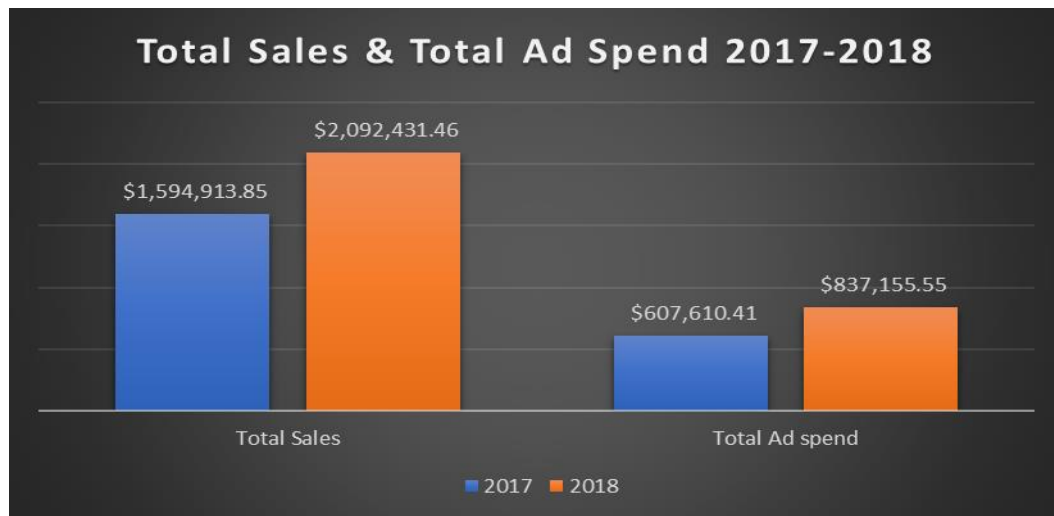
# Udacity

# Marketing Analytics

Nanodegree Program  
Project: Craft a Report

# Objective Results

Year	Total Sales	Total Ad Spend
2017	1,594,913.85	607,610.41
2018	2,092,431.46	837,155.55
Growth	31.19%	37.78%



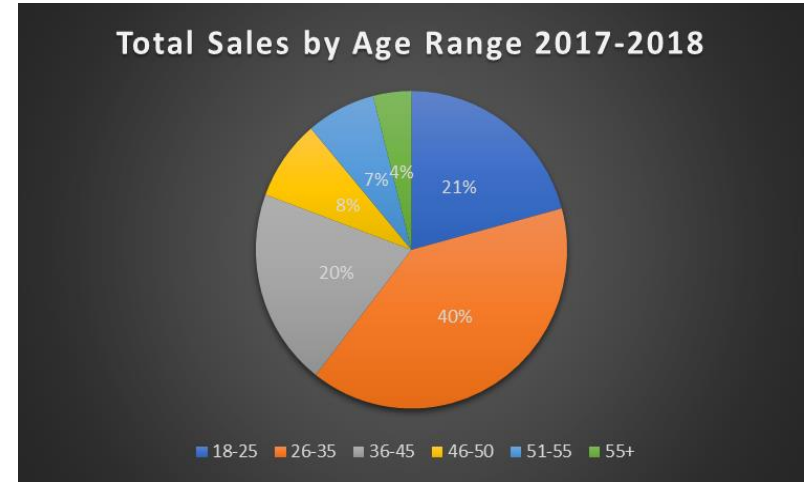
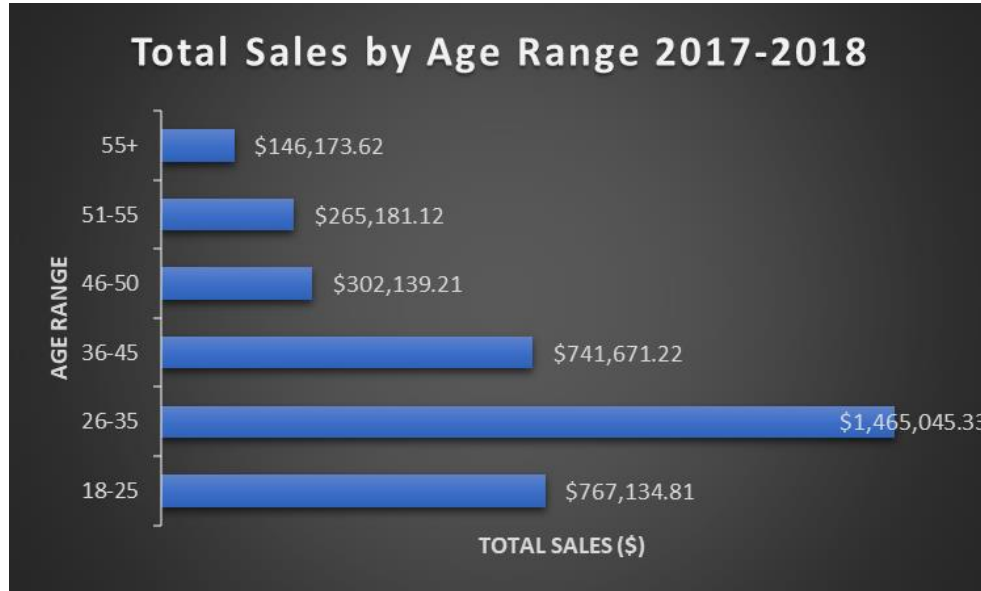
1. Increase total sales by 30% on Black Friday 2018 vs. Black Friday 2017.

Total sales increased by \$497,517.61 (31.19% growth rate), so the objective was met.

2. Decrease total ad spend by 30% from Black Friday 2017 to Black Friday 2018.

Total ad spend increased by \$229,545.15 (37.78% growth rate), so the objective was not met.

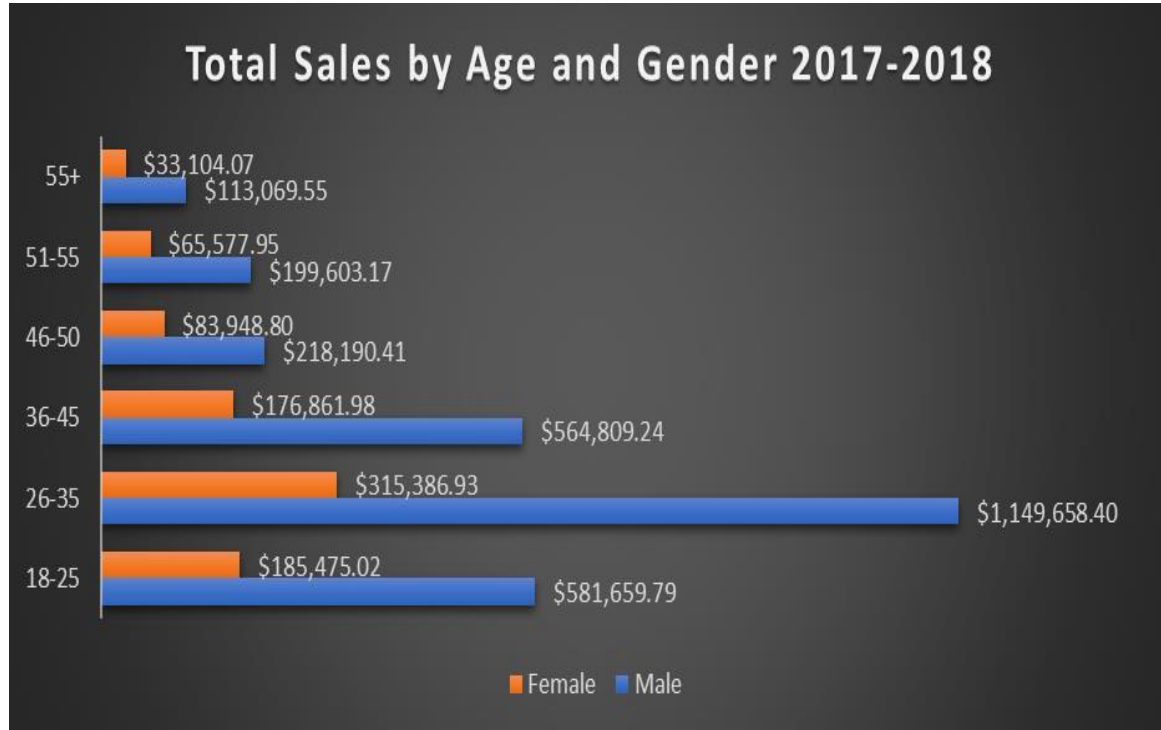
# Evaluate the Audience



Which Age-Range generated the most sales?

Age-Range 26-35 generated the most sales (\$1,465,045.33, 40% of total sales).

# Evaluate the Audience

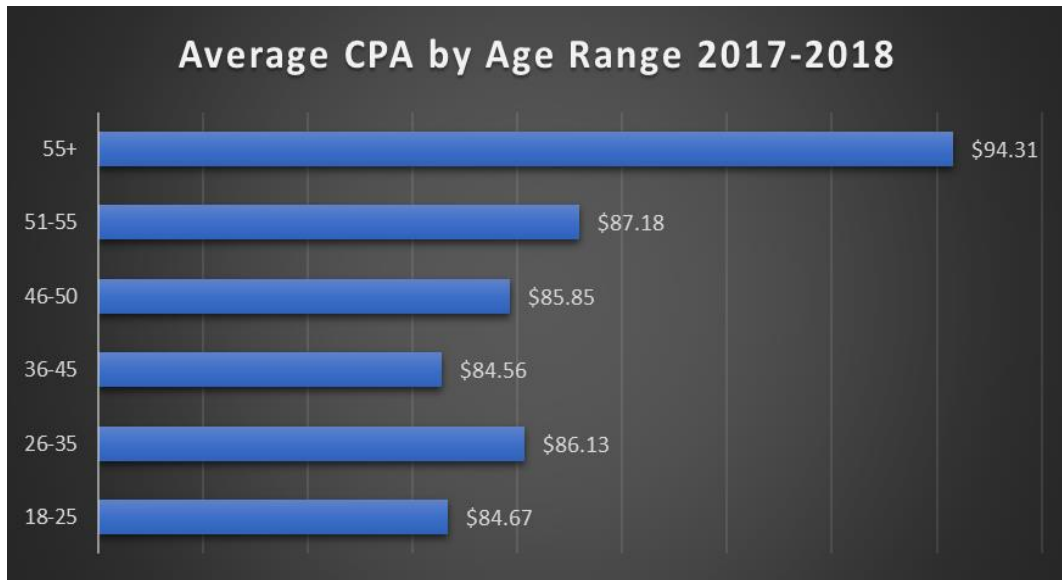


Who spent more, men or women?

Regardless of age ranges, men spent more than women.

# Evaluate the Marketing

Total Sales (Paid Channel)	Total CPA	ROI
\$1,549,620.54	\$1,444,765.96	7.26%



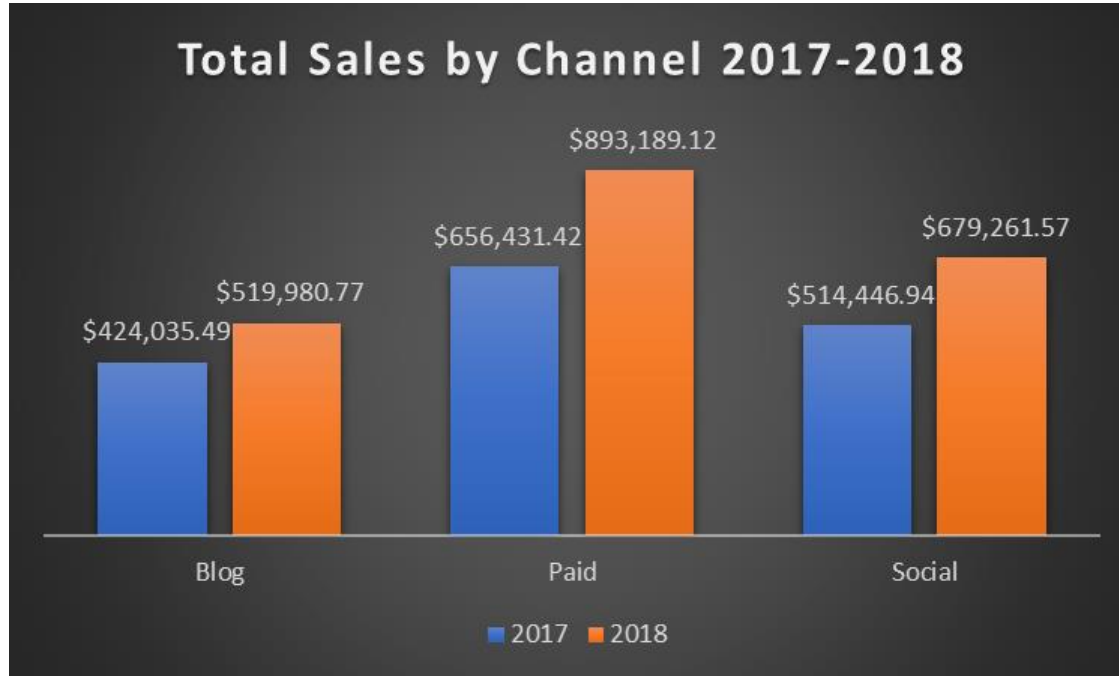
1. Was the ROI on our Paid Channel positive or negative? What was it?

It was positive at 7.26%.

2. Which age-range had the best CPA?

Age-range 36-45 had the best (lowest) CPA.

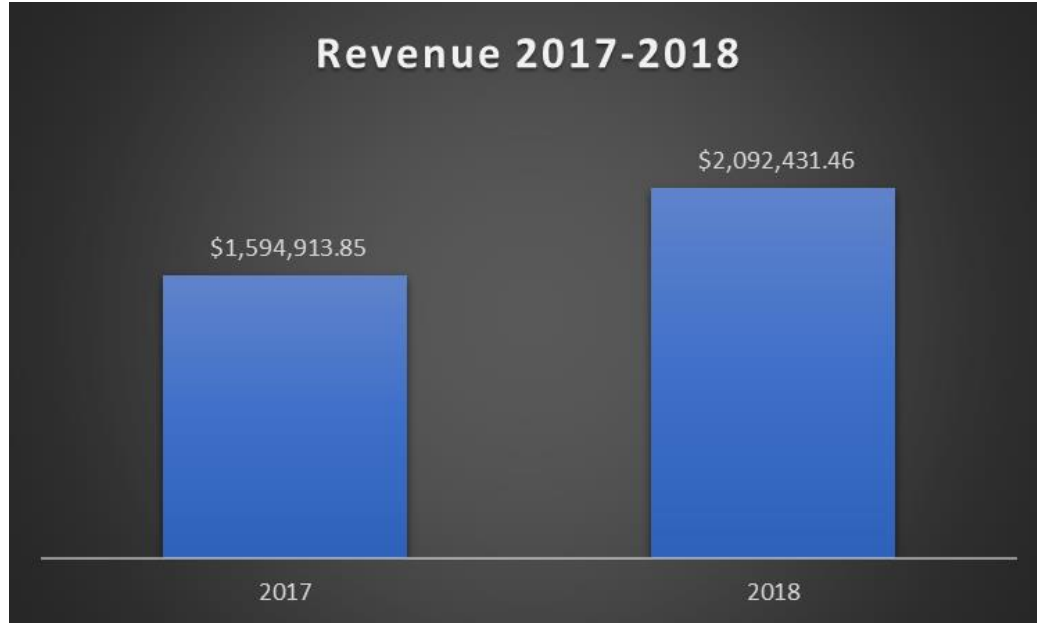
# Evaluate the Marketing



Which channel was the biggest driver in sales for 2017? For 2018?

Paid channel was the biggest driver for both 2017 and 2018.

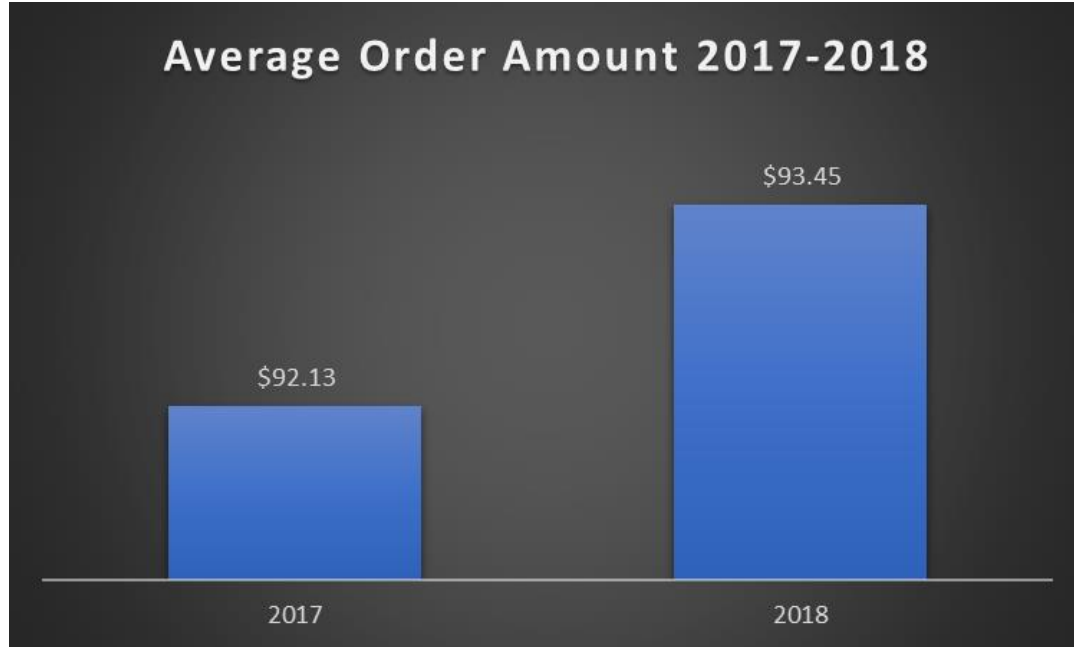
# Evaluate the Sales



How much revenue did we generate in 2017? In 2018?

The revenue was \$1,594,913.85 and \$2,092,431.56 for 2017 and 2018, respectively.

# Evaluate the Sales

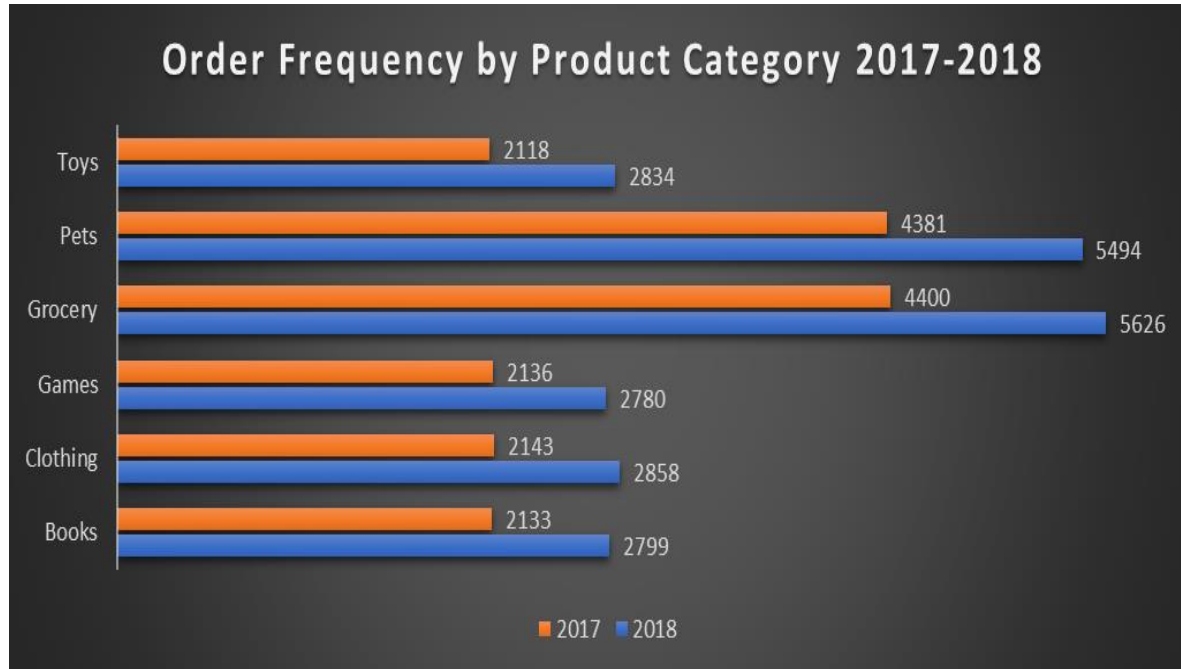


What was our average order amount in 2017 vs 2018?

The average order amount was \$92.13 and \$93.45 for 2017 and 2018, respectively.



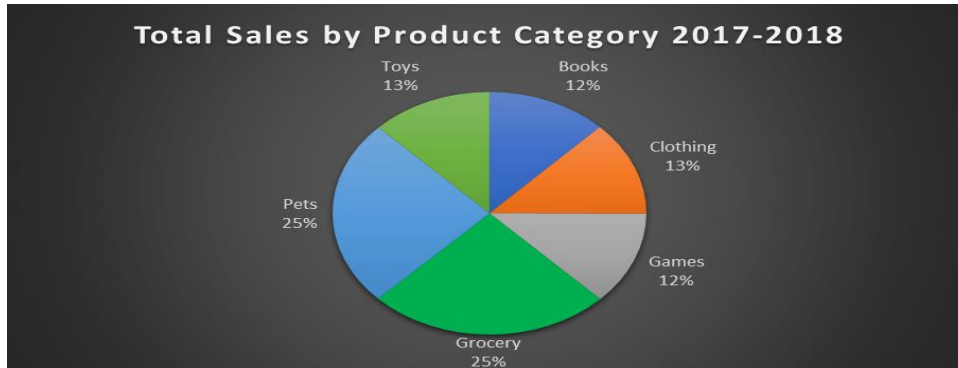
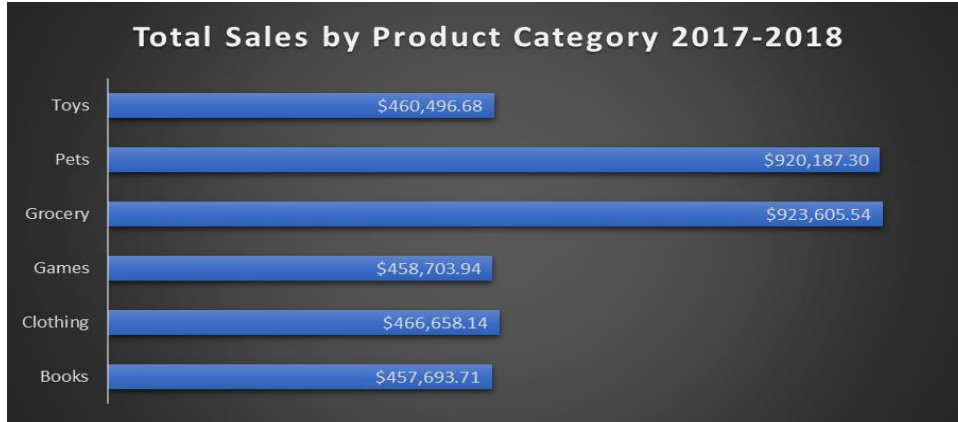
# Evaluate the Product Categories



Which product category was most popular in 2017 & 2018?

Grocery had the highest order frequencies in 2017 & 2018, so it was the most popular product category.

# Evaluate the Product Categories



Demonstrate sales by product category.

Grocery was the biggest driver for sales (\$923,605.54, 25% of total sales). Pets came next (\$920,187.30, 25% of total sales). Others approximately contributed equally to the remaining 50% of sales.