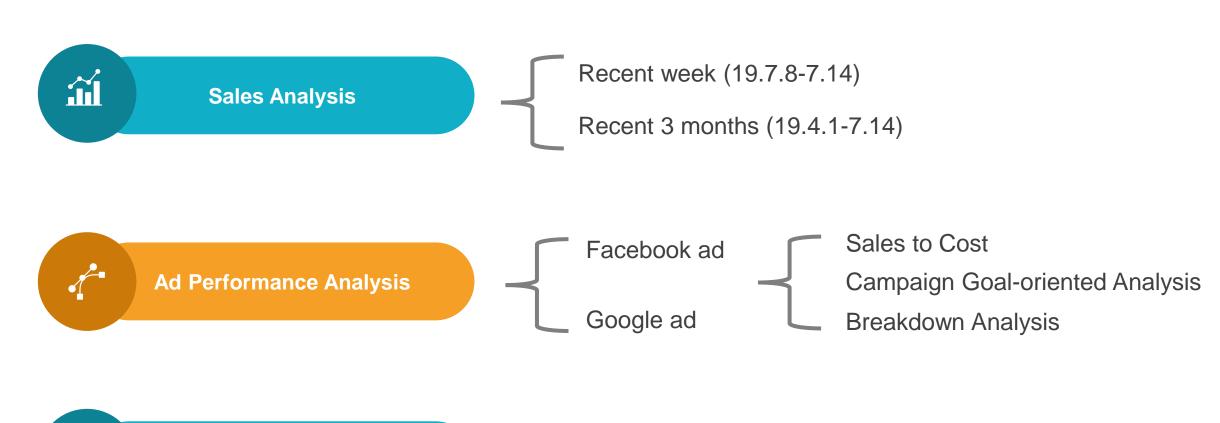


Sales & ad Performance Analysis

@DeltaChildren

Luyao Liu 19'MSMA candidate Luyao.Liu@simon.Rochester.edu

Analytical Roadmap



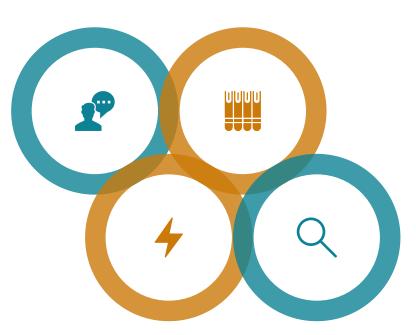
Problem Solving Approach —

Assuming huge sales decrease...

Key Findings

Total sales have been increasing over last 3 months, almost two-fold increase.

A is the most important collection, accounts for 58% of total sales.



Search ad is the most effective ad among all kinds of ad.

(Smart search ad performs best.)

Shopping ad and FB conversion campaigns are also effective.

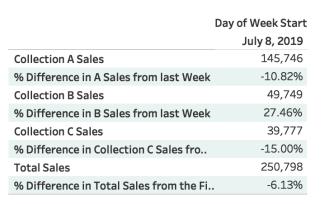
Sales Analysis

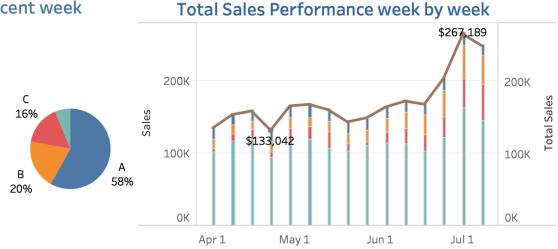


Sales Performance (19.4.1-7.14)

Week Start 4/1/2019 to 7/8/2019

Sales Performance of recent week





Week Start [2019]

Total Sales Performance of each collection week by week



□ Sales Dashboard

- A is the largest part of total sales, around 58%, while this week A decreased around 10.82%, and B increased 27.46%.
- In general, 3 collections sales have been increasing over last 3 months, almost two-fold increase.

(unit price: sales per order)

- Since the A sales co-moves with sales per order, we could speculate that A price elasticity is low, and we better increase A sales through other means than price reduction.
- Since the B sales oppositely moves with sales per order, we could speculate that **B price elasticity is high**, we could increase B sales through price reduction.
- Since sales per order is stable, the C sales increased large, we could speculate that advertising or other means made this happen.

Google ad Analysis

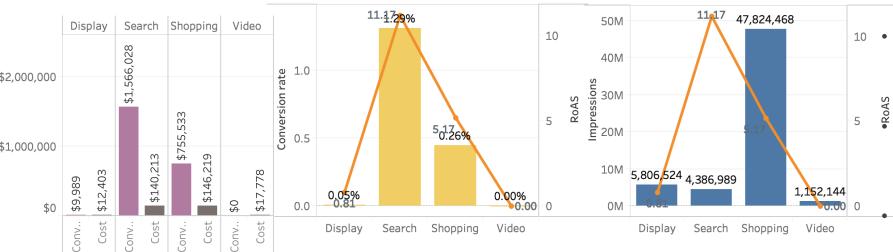


Google ad Performance (19.4.1-7.14)

Week 4/1/2019 to 7/8/2019

Sales to Cost





Campaign Type Breakdown Anlaysis



☐ Google ad Dashboard

- Search and shopping ad are two most effective ad format. They brought most sales and also has largest RoAS.
 - Search ad performs best in terms of **conversion rate**, while shopping ad performs best in terms of **impressions**.
 - Display ad is also good at increasing awareness, but not that good at conversions also not very effective in terms of RoAS.
 - Video ad performs not very well. (While it could also be the problem of Collection D itself.)
- **Smart Search ad** performs best among all other kinds of search ad, in terms of CPC and RoAS.
 - **Traffic shopping ad** performs better than Retargeting shopping ad , in terms of CPC and RoAS.
- In recent week, search ad for A brought \$62,070 sales, **42.6% of total A sales**, while **cost \$7,949**. (Interactive dashboard)

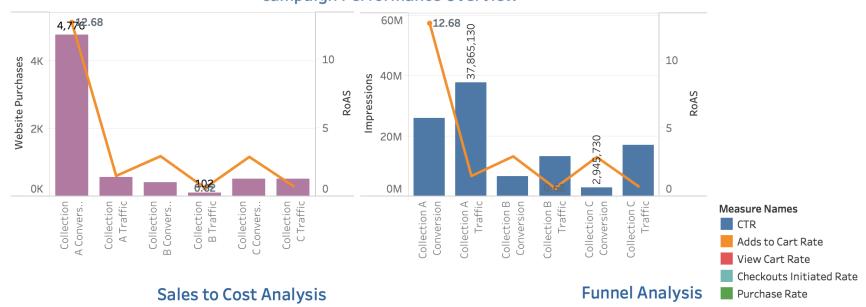
FB ad Analysis

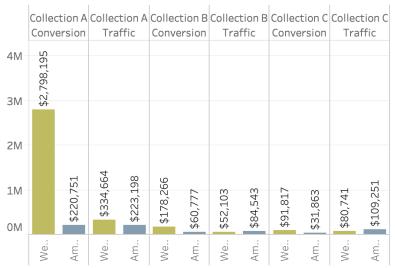


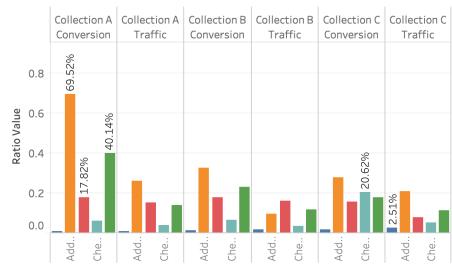
FB ad Performance (19.4.1-7.14)

Reporting Starts 4/1/2019 to 7/8/2019

Campaign Performance Overview







☐ FB ad Dashboard

- 'A conversion campaign' is the one has largest sales revenue and largest cost, but also is the one has the largest RoAS.
- 'A conversion campaign' has the most conversions, and performs best among conversion campaigns in terms of RoAS.
- 'A traffic campaign' has the most impressions, while doesn't perform well in terms of RoAS.
- Through funnel analysis, 'A conversion campaign' that has the largest RoAS performs well in "Adds to Cart Rate" and "Purchase Rate", so other campaigns should also focus on enhancing these two rates. Also, we might still be able to improve this campaign by enhancing "Checkouts initiated Rate".

(Make CTA buttons more standout, etc.)

 In recent week, FB ad campaigns for A brought \$46,535 sales, 31.9% of total A sales, while cost \$31,691. (By interactive dashboard)

Problem Solving Approach

Assuming an important product decreases 30% sales from last week...



Trouble-shooting

- Metric Calculations
- Whether there exists calculation error.
- Break Links
- Whether there exists break links between campaign and landing pages.
- > Ineffective CTAs
- Whether there exists ineffective CTAs of conversion funnel pages.



Analysis

- > Uncontrollable:
- Macro Environment (polices, buying power)
- Seasonality
- Lag factors (stock-up/ durable good)
- Competitors (pricing, advertising)
- > Controllable:
- Pricing
- Advertising
- Facebook (Campaigns)
- Google (ad types)
- Brand Equity

Model: General Linear Regression model.