# Retail and Marketing Analytics

Session 4

Gokhan Yildirim

# Agenda

- Background to marketing metrics
- Mindset metrics: conceptual model
- Four criteria
- Case study: Personal care brand
- Q&A

# Which digital KPI?

- # followers
- # impressions
- # clicks
- # likes
- # time spent on site
- # app downloads
- # leads
- sales









# Social media impact



## Social media impact



#### Retweeted by:



1m followers



15 followers

## Which metrics?



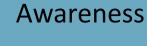
#### **Digital metrics**

--proxy for--

#### **Funnel metrics**



Brand mentions, **Visits** 





Leads & Quotes







Likes – Dislikes Sentiment

Liking





**Orders** 

Sales



# How can I act on these metrics?

# Guiding marketing mix

How can I improve marketing mix actions by examining attitude metrics?

What to do when I know that brand consideration stands at 70% while brand liking stands at 40%?

What to do in our marketing mix?

Conventional wisdom says invest in the weakest metric.



BUT...

# Guiding marketing mix

Consideration could be more responsive to marketing actions than brand liking.

Any gains in brand liking may be short-lived due to fickle consumers or tough competitors, while gains in consideration could be longer-lasting.

Consideration gains may convert into sales at a higher rate than liking gains do.

Q: How to use consumer attitude information to guide marketing strategies and actions?

## Conceptual model



# What marketers & competitors do

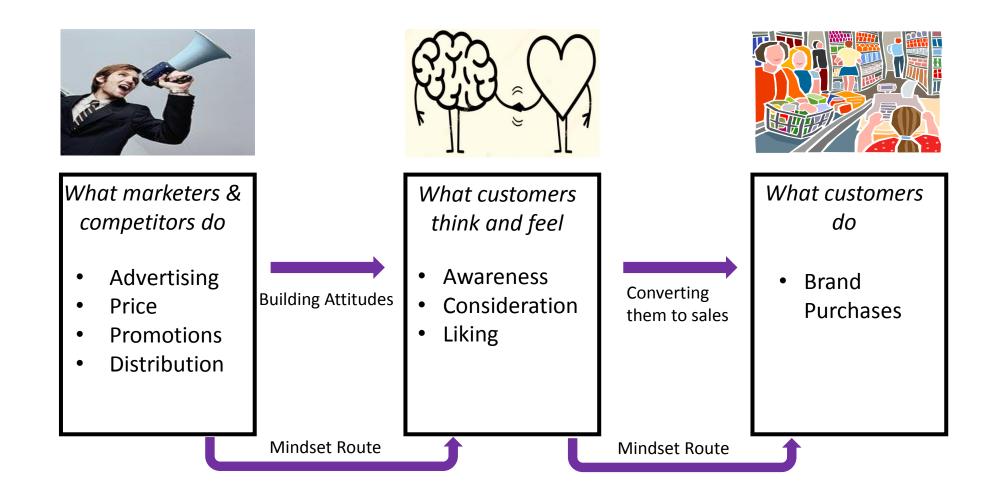
- Advertising
- Price
- Promotions
- Distribution



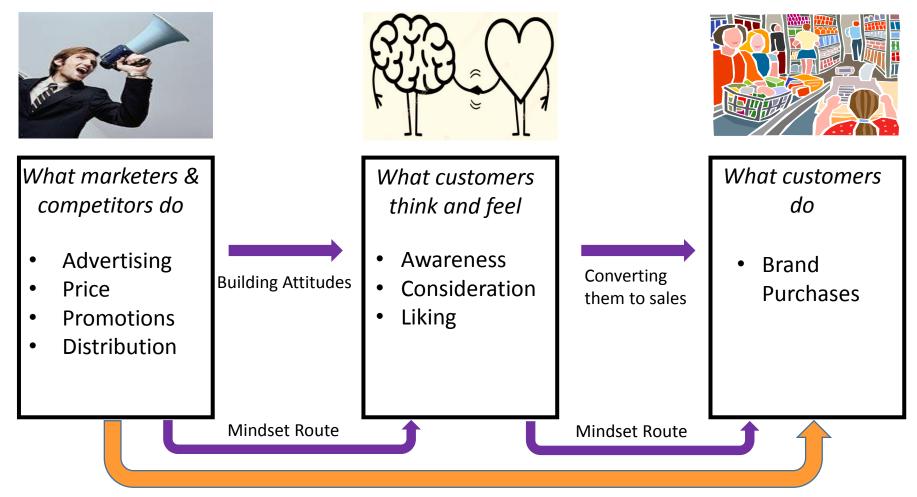
## What customers do

BrandPurchases

#### Conceptual model

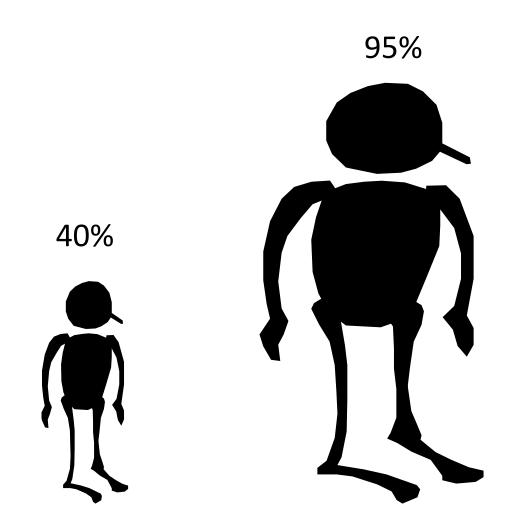


#### Conceptual model



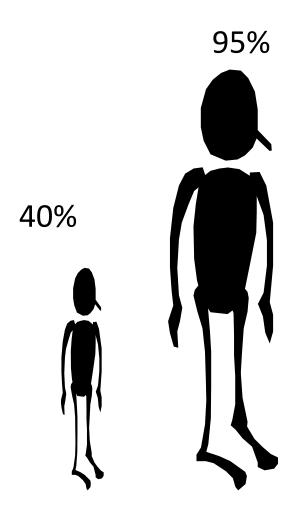
**Transactions Route** 

#### 1. Potential



Does metric have room to grow?

## Does attitude have room to grow?



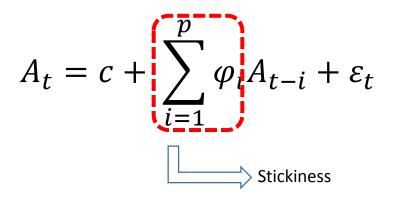
$$POT_t = \frac{[MAX - A_{t-1}]}{MAX}$$

#### 2. Stickiness

Does a change in metric stay long?



## Does a change in attitude stay long?



#### **Example:**

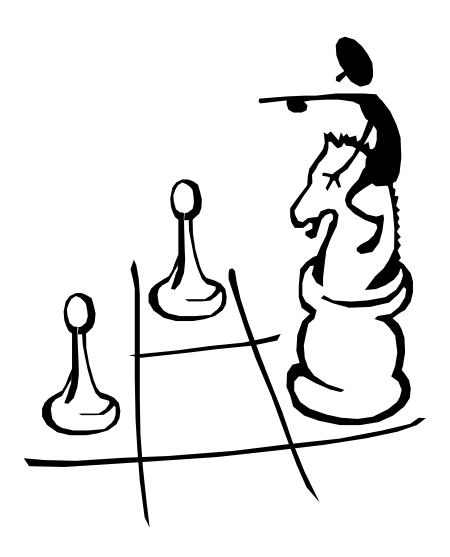
$$Cons_t = c + \varphi_1 Cons_{t-1} + \varphi_2 Cons_{t-2} + \varepsilon_t$$

$$\widehat{Cons}_t = 10.2 + 0.6 \, Cons_{t-1} + 0.15 \, Cons_{t-2}$$

Stickiness = 0.75

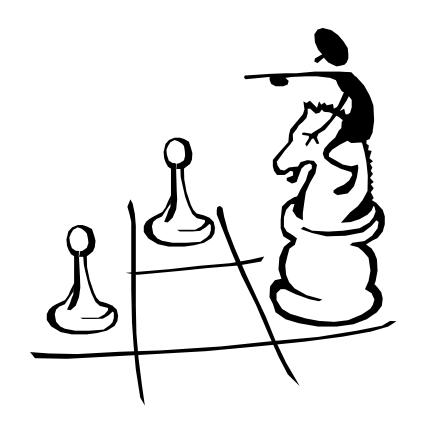


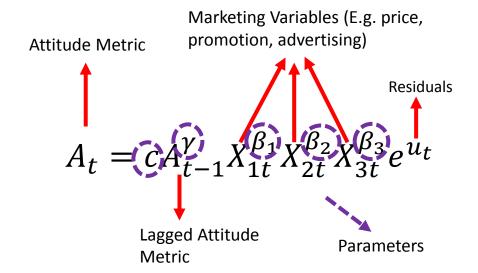
## 3. Responsiveness



Can we move it?

#### Can we move it?





Relationship between potential and responsiveness:

$$\eta_i = \beta_i \times POT$$

EXA	M	PI	F٠

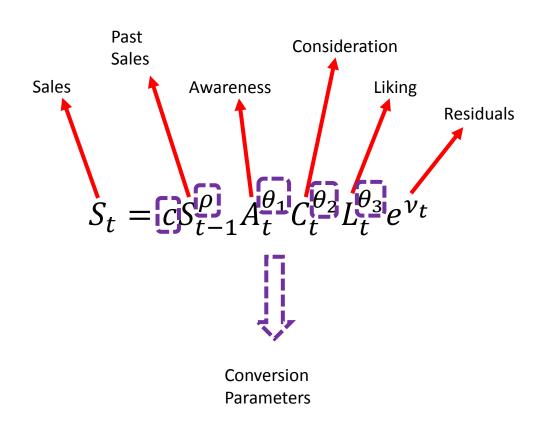
Awareness	$\beta_{Facebook}$	$\eta_{Facebook}$
0%	0.2	0.2
40%		0.12

#### 4. Conversion

Does it translate into sales/profits?

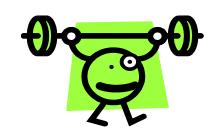


## Does it translate into sales/profits?

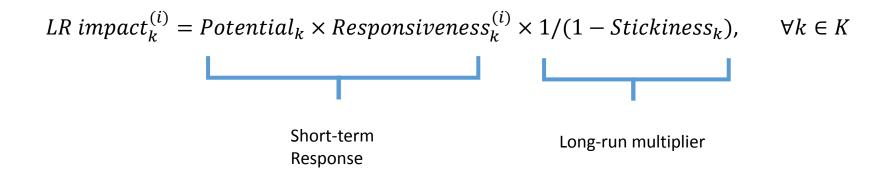




#### Combining the criteria



Long-run impact of each marketing mix element i for each attitude metric k



The marketing investment appeal for marketing mix element i:

$$Appeal^{(i)} = \sum_{k=1}^{K} LR \ impact_k^{(i)} \times Conversion_k$$

## Marketing Investment Appeal







	Awareness		Consideration	
	Brand A	Brand B	Brand A	Brand B
Beginning level	0.8	0.3	0.4	0.5
Potential	0.2	0.7	0.6	0.5
Stickiness	0.9	0.9	0.5	0.5
Response to Google Adwords	0.01	0.035	0.18	0.15
Response to Social Media	0.04	0.175	0.06	0.1
Sales Conversion	0.15	0.2	0.4	0.5
Marketing Investment Appeal*				
Google Adwords	0.003	0.049	0.086	0.075
Social Media	0.012	0.245	0.029	0.050



## Real-world application



Winning customers' minds, hearts and sales:

A personal care brand



How should I guide my marketing mix decisions for the same brand in emerging and mature markets?

# Case Study

Personal care category

U.K. and Brazil markets

#### Variables:

• Marketing mix : Relative price, Advertising (GRP),

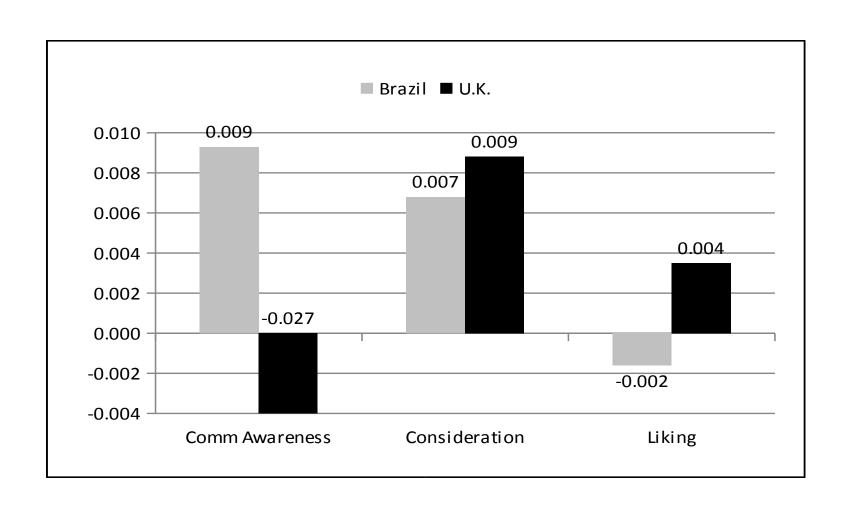
Distribution (weighted ACV)

• **Performance** : Sales volume

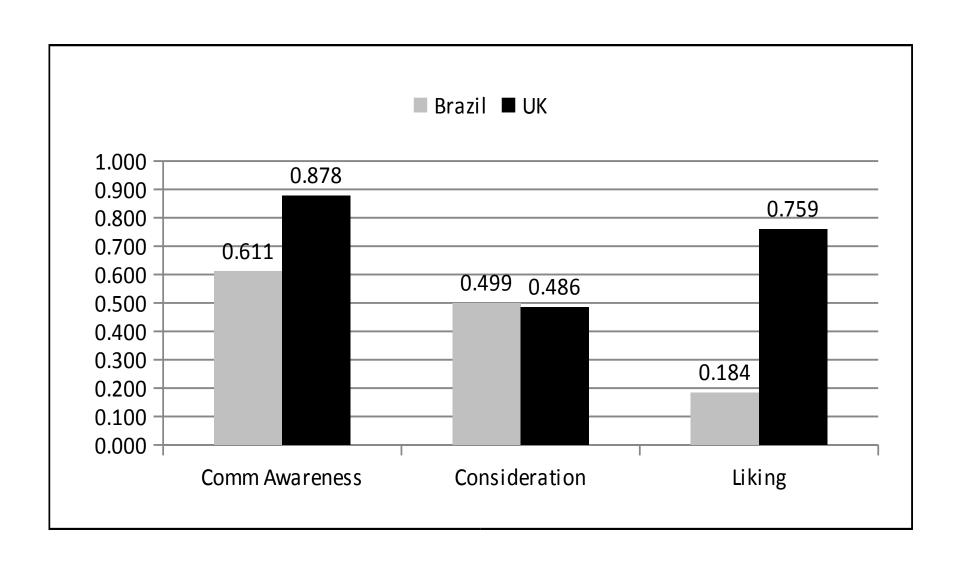
• Mindset metrics: Advertising awareness, brand consideration, brand liking



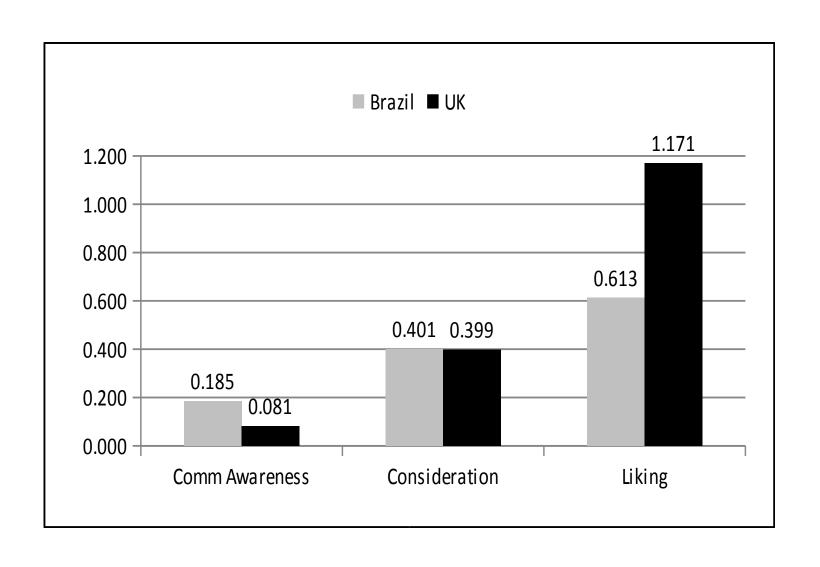
# Responsiveness of Mindset Metrics to Advertising



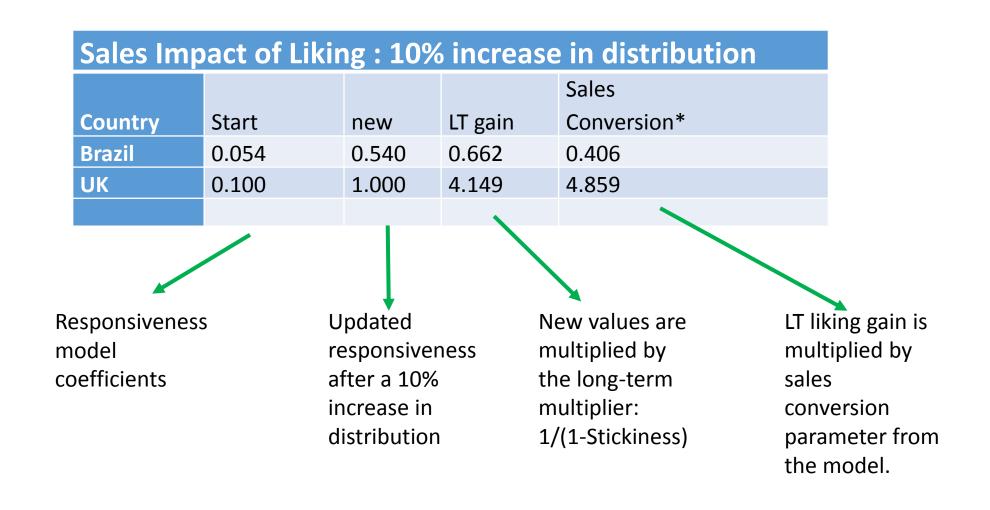
#### Stickiness of Mindset Metrics



## Sales Conversion of Mindset Metrics



# Which marketing action is more appealing?



# Which marketing action is more appealing?

#### Sales Impact of Liking: 10% increase in distribution

				Sales
Country	Start	new	LT gain	Conversion*
Brazil	0.054	0.540	0.662	0.406
UK	0.100	1.000	4.149	4.859

#### Sales Impact of Liking: half pricing

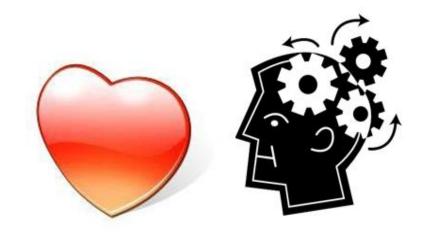
				Sales
Country	Start	new	LT gain	conversion
Brazil	0.127	0.064	0.078	0.048
UK	0.126	0.063	0.261	0.306

#### Sales Impact of Liking: 10% decrease in advertising

				Sales
Country	Start	new	LT gain	conversion
Brazil	-0.002	0.000	0.000	0.000
UK	0.004	0.040	0.166	0.194

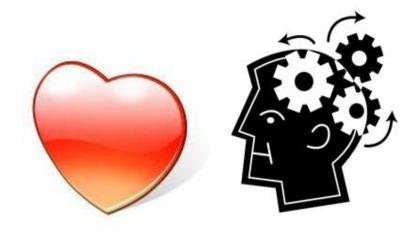


## **Summary**



Top Management





Top Management









Top Management



#### Marketing's role:

- —Get a strong position in customers' hearts and minds
- —Get a sales conversion

#### **Philip Kotler:**

"...How do you know if you are doing a good job for the customer? It is not shown in your profits this year but in your share of the customer's mind and heart. Companies that make steady gains in mind share and heart share will inevitably make gains in market share and profitability..."



#### Attitude metrics matter because...

They are **brand health indicators** that assess brand performance from a **customer's perspective**.



**Early warnings** of performance of brands.

 They may diagnose a decline in interest and thus provide management a chance for remedial action.



We can verify if **marketing moved customers** in the right direction by **examining the mindset (attitude) metrics**.



# Takeaways

Does the metric matter?

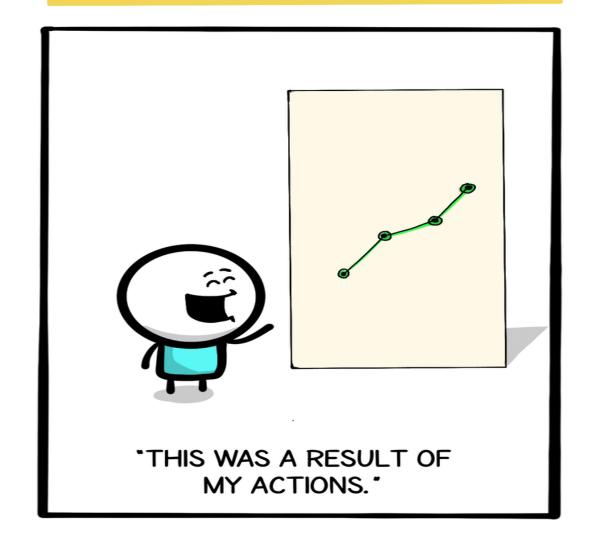
Evaluate purchase funnel metrics (awareness, consideration, liking and sales) with four criteria:

- Potential
- Stickiness
- Responsiveness
- Conversion

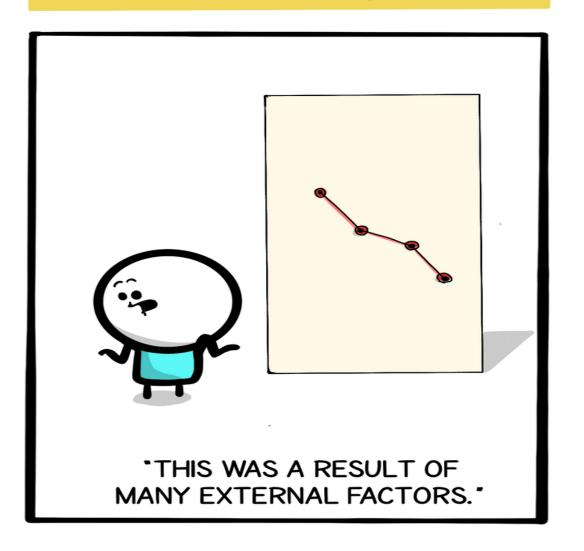
Do scenario analysis to guide your marketing mix strategies.

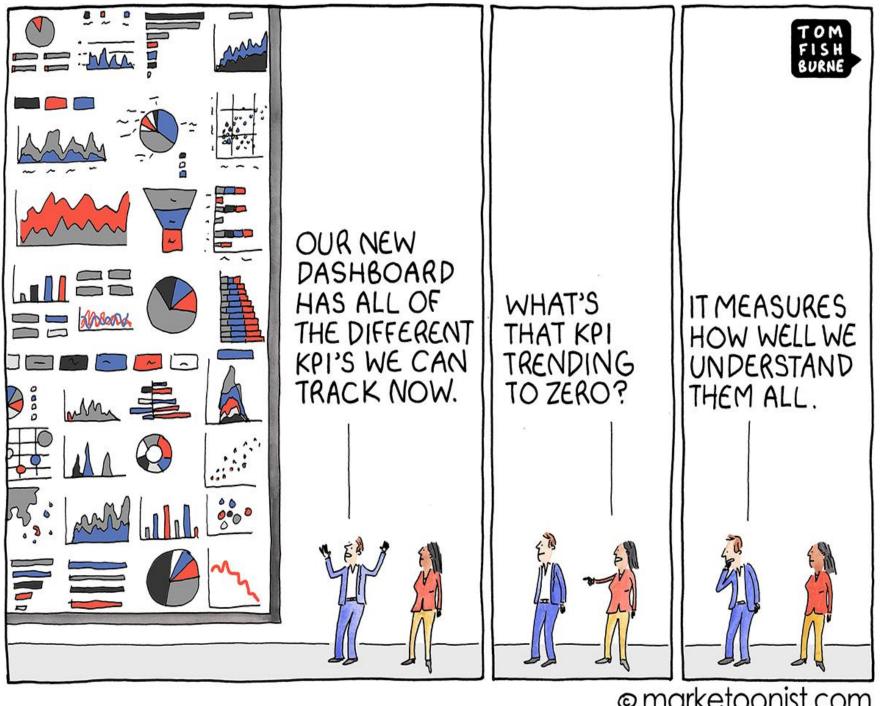


#### WHEN METRICS GO UP



#### WHEN METRICS GO DOWN





Thank you!

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ANY DUFSTONS



• Analyse the marketing investment appeal for advertising and promotion decisions for the shampoo brand.

 Which is more effective strategy to improve consumer awareness, consideration, and liking: advertising or promotions?

 What would happen if the brand manager decides to double/fivefold her investment in promotion/advertising?

 What is the long-term sales lift that can be attributed to mind-set metrics?

