



CASE STUDY

Portfolio Optimization with Brand Equity

Overview

Background



Client was planning to develop a new pricing strategy to manage consumer value as well as profitability • Client also wanted to validate the optimal positioning of its brand vs. competition and understand the true potential of its brand to determine its ability to charge a premium

Approach



- Identified the preference of new brand packages and price points in a methodical way
- Optimized brand's portfolio so that client can maximize their revenue margin rather than just volumetric share
- Calculated the impact of per unit increase/decrease in the package cost on the preference shares. This helped client understand the optimum pricing curve/accepted price range
- Developed a robust Brand equity model which helped ascertain the current brand positioning and its interaction with the total sales/revenue.
- Developed simulator for determining volume share, revenue and impact of brand equity on the overall revenue share in the market



- Devised a new portfolio that helped client charge a premium for its products and boosted their brand equity to negate the impact of price increase on sales.
- It was observed that offering price incentive in larger packs helped boost sales by 1.2% and a premium on smaller packs boosted the revenues by 0.6% with key necessary measure to uplift equity



Case Study: Detailed Approach

A multi modular approach Each respondent was administered two sections of the survey



Brand Equity Detailed (1 of 2)

By using the technique of Partial Least Square (PLS) regression we arrived at a Brand Connect Score, which is a stable measure for any brand

The Direct vs. Indirect impact



PLS multivariate regression technique is a variance based Structured Equation Modeling (SEM) technique particularly suited to situations in which constructs are measured by a large number of predictors, which are often inter-related.

PLS path modeling is recommended in order to test and validate exploratory models and is a good fit for prediction-oriented research.

Brand Equity Detailed (2 of 2)

Post ascertaining the BE Score for Brand1 vis-à-vis competition, respondents were segmented basis their range of BE Score and the results were then integrated with Module 2 of the study

		Bi	rand Equity S	imulator	-				
SAMPLE SIZE	Brand 1		Brand :	Brand 1		Brand 2		Brand 3	
1500			Di Maximus		El Chicolata		Uller - Abeni 🔳		
TOTAL BRAND EQUITY SCORE	34.92	Base 169	39.11	Base 306	47.70	Base 530	31.14	Base 102	
CONSUMER'S BRAND EQUITY	47.64	Base 115	55.79	Base 69	60.68	Base 69	46.98	Base 11	
NON-CONSUMER'S BRAND EQUITY	28.80	Base 54	34.19	Base 238	45.71	Base 460	29.24	Base 91	
			VARIABLES USED II	THE MODEL	Excluding Imagery & 1	Triggers)			
				Base: Total Re	espondent				
Spontaneous Awareness	0%		3%		13%		0%		
Unaided Awareness	1%		2%		11%		0%		
Aided Awareness	19%		33%		62%		11%		
			B	ase: Aware R	espondents				
Familarity	82%		83%		85%		100%		
Relevance (Top 2 Box)	34%		61%		70%		54%		
Consideration (Top 2 Box)	59%		44%		51%		27%		
Likelihood to Use (Top 2 Box)	56%		43%	43%		45%		32%	

Key Business Asks and Proposed Solutions

Requirement	Proposed Solution
 Understand optimal pack size as per consumer preference Need a pricing strategy for existing / planned SKUs for maximizing revenue 	 A robust conjoint design which allowed for testing a wide range of SKUs and prices

The conjoint design will have following attributes / levels -

- Attribute: Pack Type
- Levels: Single Pack, Multi Pack
 - Allows to gauge consumer preference for Single (for on the g consumption) vs Multi Pack (for storage)
- Attribute: Price
- Levels: Conditional display base on SKU base price and price variations (above / below base)
- **Example** Base 5%, Base, Base + 5% or Base 10%, Base, Base + 10%
 - Allows testing wide range of prices without introducing large number of different price attributes/evels, making design efficient
 - This also, allows to interpolate prices within the range tested for identifying magic price point which can garner maximum revenue and volumes

Key Business Asks and Proposed Solutions – cont'd

Requirement	Proposed Solution
 Predict the upsizing / downsizing of packs with new SKU introduction / changes 	Allowed the respondents to pick multiple SKUs and multiple units in the conjoint exercise
 Estimate the cannibalization with changes in existing market scenario 	Optimized portfolio volume rather than SKU volume

The conjoint design will have following attributes / levels –

• An excel based simulator was created for 'What if' analysis and understand how an introduction of new SKU in portfolio impacted share of existing SKUs

A user friendly simulator was created to run the various "What-if" scenarios



Optimized Price Points

With price increase, the overall portfolio volume decreases only slightly and revenue gain is observed



- Demand curves help measure the price sensitivity of different SKUs
- In this case, we can calculated the impact of increase/decrease in the package cost on the preference shares
- This helped Client to understand the optimum pricing curve/accepted price range

Market Dynamics

'Cross Price Elasticity' indicates the percentage change in own packs when any other SKU price changes by 1%.

	Cross Price Elasticity	SKU A	SKU B	SKU C	SKU D		
If price of SKU A increases by 1%, volume loss is 250 units	SKU A	-250	▶ 7%	11%	20%		
	SKU B	17%	-325	19%	6%	SKU D gains 20% of SKU A	
	SKU C	4%	8%	-225	10%		
	SKU D	20%	7%	23%	-1.74		

The Cross-elasticity table above is an extract and has been converted to percentages against volume loss

- The numbers in the diagonal bright green cells represent the volume loss for **every 1% price increase** Eg: if SKU A increases its price by 1%, volume loss is 250 units
- Then read across the row to see where the volume loss goes to. In the case of SKU A, 7% goes to SKU B, 11% goes to SKU C and 20% goes to SKU D
- Reading along the vertical column is a quick way to see the gains made by that SKU from its competition. Eg: SKU A gains 17% from a price increase in SKU B

Impact on Existing Portfolio

Addition of a SKU A at \$1.2 is successful in capturing incremental share, with some cannibalization



Key Business Asks and Proposed Solutions

RequirementProposed Solution• Understand the impact of brand equity on the total shares of Brand1• Determine the change in Brand equity required to counter the effect of price increase

Equity Pull Assessment –

• An excel based simulator was created to understand how much brand equity affects the total market shares. It helped test various 'What if' analysis and estimate the change in Equity required to regain the loss in shares following a price increase

Latent Variables Relationships in 'Overall' Model



4/5th of the overall Brand Equity constitute Brand Mind with a high impact of Awareness. Price perception has only a 7% weightage to overall equity.



and Brand Might explains the remaining Brand Equity wherein Consumption, Affinity and Functional Associations have similar contributions.



Recommend

Output of Equity Model

Brand	Brand Equity (Indexed)	Relative Importance in Model
Brand A	70.87	Awareness 25%
		Familiarity 16%
Brand B	58.77	Brand Association-Emotional 20%
Brand C	54.8	Price Perception 7%
Brand D		Consideration 11%
	46.58	Consumption 7%
Brand E	34.06	Brand Association-Functional 8%
Brand F		Affinity 7%
	27.26	Brand Mind Brand Might

 Awareness alone takes up 1/4th of what drives brand equity.

- Other Brand Mind variables make up another 54% of what drives Brand Equity.
 Hence the importance of Brand Essence to Equity
- 'Brand Might' variables impact fifth of the overall Brand Equity

What Equity does Brand1 demands for a price increase of \$ x

- Current Price Index (PI) of 165, Brand1 draws a revenue of \$ 3mn
- Increasing PI to 175, results in the overall revenue drop of 6%
- This can be compensated by increasing the Brand Equity spends by 12.21%
- Also, decreasing the PI to 152, will result in a 10% increase in the revenue









THANK YOU