

# Cognitive Garage's Easy Automation of Complex Decision Making

The background is a dark blue gradient with a hexagonal pattern. It features glowing blue lines that form a brain-like shape on the left and a circuit-like pattern on the right. Binary code (0s and 1s) is scattered throughout, particularly around the brain shape.

TEAM 55

# Executive Summary

## Understanding the use case

- Incentive Design
- Why Consumer Incentive design for digitally native brands
- Market Trends
- Types of Consumer Incentive Designs
- User Journey and Gaps in the current system
- Complex Decisions Involved
- Role of Knowledge model in automation

## Knowledge Model

- The Model
- Consumer-Centric Basket and its relation with the outputs
- Product Purchase Basket and its relation with the outputs
- Company Basket and its relation with the outputs
- Output Parameters
- Chains

- Intricacies
- Example of the application of the model

## Impact and Pitfalls

- Impact of Automation
- Pitfalls in the model and their workarounds

## Future Prospects

# Understanding the Use Case: Consumer Incentive Design

## What is consumer incentive design?

- Incentive in simple terms is something that **encourages** a person or organization to do or achieve something. It is something that incites or has a tendency to **incite a determination**.
- Incentive design for consumers refers to the creation of financial or non-financial incentives that encourage consumers to make **certain decisions, purchase certain products, or adopt certain behaviors**.
- The goal of incentive design is to **align the interests of consumers and organizations** by providing rewards that incentivize desired behaviors.

84%

Of U.S businesses are using **non-cash incentives**

75%

**Made another purchase** after receiving a brand incentive

Why does designing the right consumer incentive matter?

45%

Of consumers **made one out of three purchases** because of incentives

87%

Of loyal customers don't mind **sharing their personal information** to get better recommendations

## Proof of concept: Qwikcilver



- Acquire 2 customers with every Gift Card
- Build your Business
- Uplift your sales by 75% to 200%

What can a gift card do for you?



- Empower your consumers
- Offer Greater Flexibility & Choice
- Deliver a personalized Experience

# Why consumer incentive design for digitally native brands?

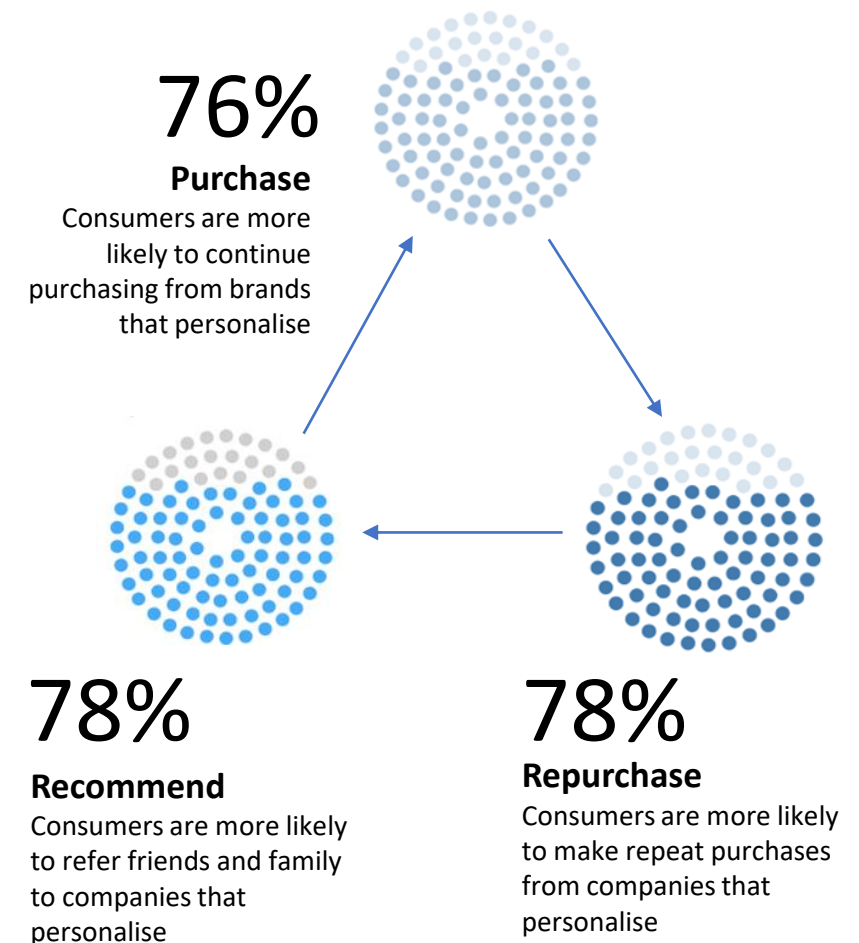
## Digitally Native Brands (DNBs)

- A digitally native brand is a business that originated online driven by personalization.
- In **contrast** to beginning as **brick-and-mortar businesses**, these brands **started online** and grew their brand through their online store experience.

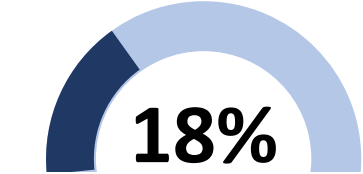
Digitally Native companies drive revenue from personalization from other company archetype

Company Archetype	Companies without direct relationship	Black and Mortar (eg. Grocery, Apparel)	Digitally Native Brands
	Low	Middle	High
Strength of Customer Relationship	<ul style="list-style-type: none"><li>• Typically does not own customer transaction</li><li>• Limited access to or use of 1st party data</li></ul>	<ul style="list-style-type: none"><li>• Owns customer transaction, not always product development</li><li>• 1<sup>st</sup>-party data captured but mixed</li></ul>	<ul style="list-style-type: none"><li>• Owns customer transaction and product development</li><li>• 1<sup>st</sup>-party data at heart of decision making</li></ul>
% of revenue driven by personalisation	5-10%	10-20%	25%

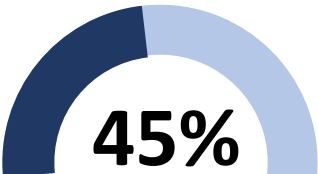
Personalisation directly influences buying behaviour across the customer life cycle



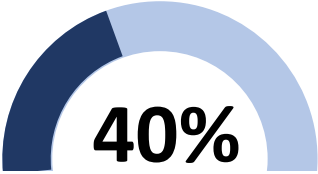
# Consumer Incentive Design is a high growing market with 7.6% CAGR



customers said that incentives made them choose one brand over the other



Of the customers who made 1-3 purchases just because of incentives



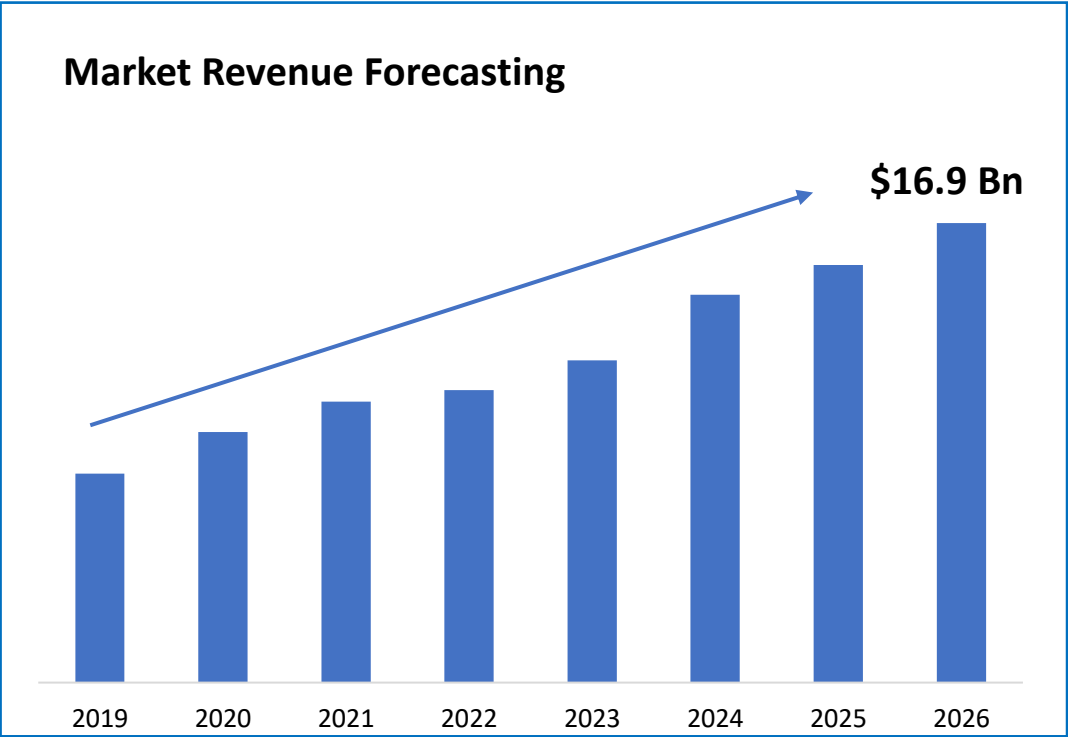
Increase in ROI generated as compared to other marketing strategies

**7.6%**  
CAGR of incentive design market has been predicted over the coming decade

**\$16.9 Bn**  
Of huge Market Size predicted by the end of 2026 for automating incentive design

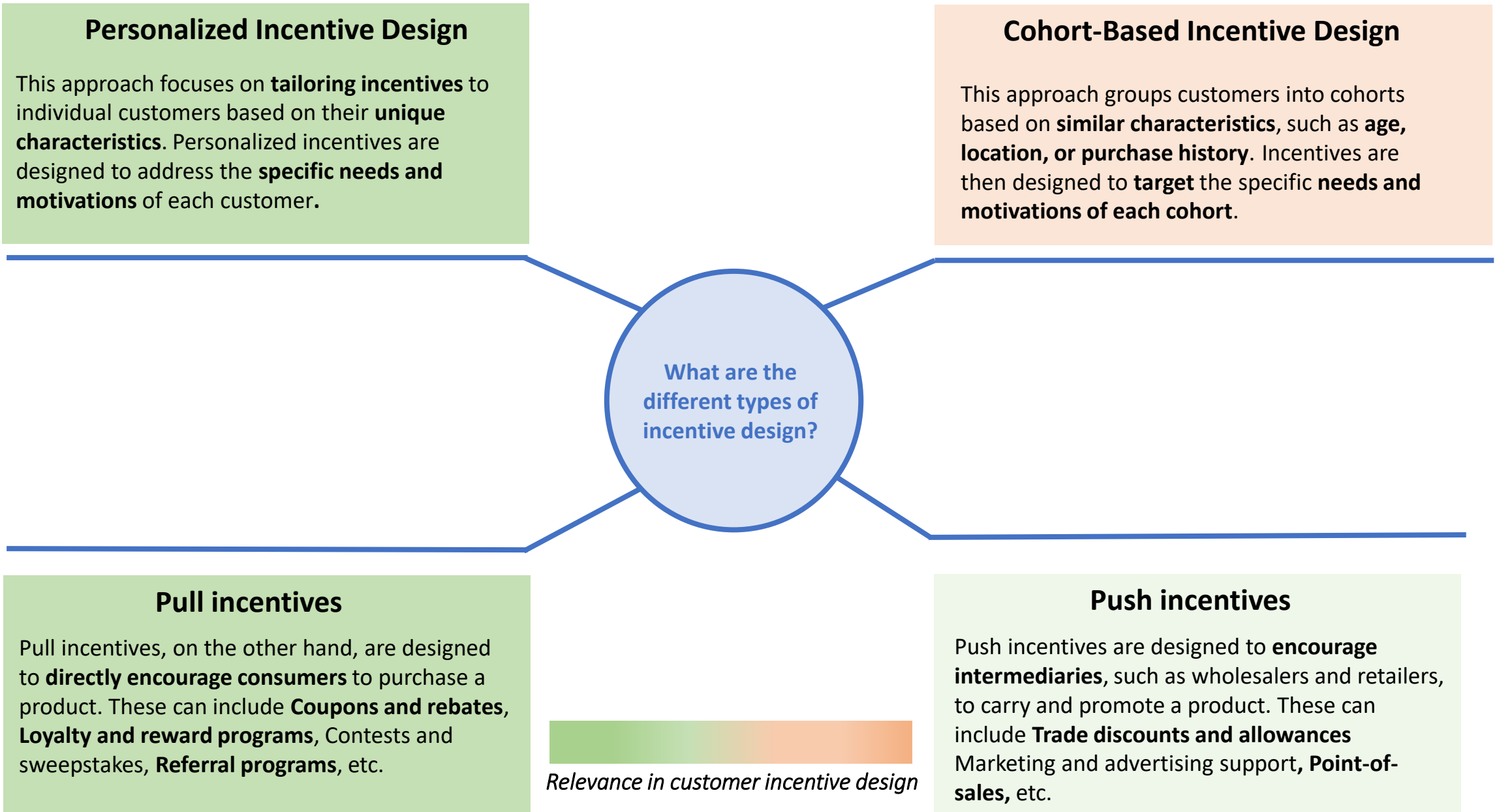
## Potential customers

<b>LIFESTYLE</b>   	<b>FINTECH</b>   	<b>EDUCATION</b>  
<b>FASHION</b>   	<b>MEDIA</b>   	<b>QUICK COMMERCE</b>   

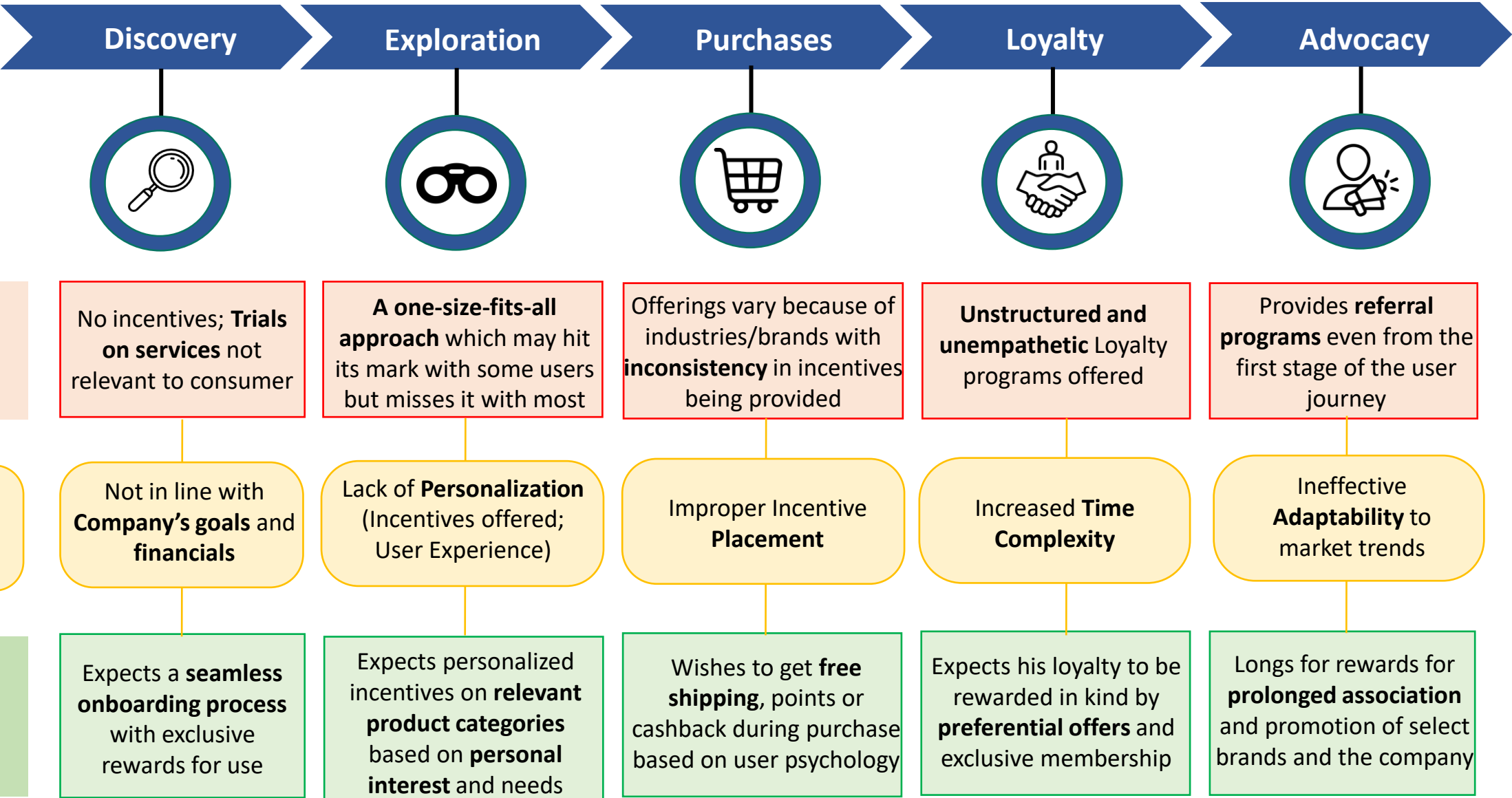




# Understanding the existing consumer incentive design systems



# Mapping out the user journey to figure out the gaps existing in current incentives



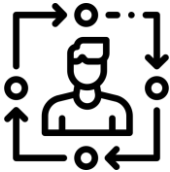
# Understanding the complex decisions being automated through the knowledge model

## Complex Decisions Involved



### Company's Goal and Financials

- Deciding the value of incentives while keeping in mind company's goals and financials
- Managing the right balance between inventory and incentives across the product mix
- Taking into consideration the profitability across the value chain of providing incentives



### Personalisation of Incentives

- Analysing the consumer demography and their needs, basically the consumer profile
- Predicting future purchasing trends by tracking consumer buying history and shopping behaviour



### Ineffective adaptability to Market Trends

- Understanding dynamic response to product and incentive placement with changing market trends
- Capitalising on current market trends to boost sales through incentivising the consumer
- Being at par with the incentives provided by competitors



### Improper Trigger Placements

- Finding the right trigger points for placing incentives throughout the consumer journey
- Identifying right channels for communicating incentives and offers to customers
- Tapping into consumer psychology while automating the process of designing incentives



# What does our Knowledge Model do to aid with complex-decision making process?

*“Automating the complex decision of personalized consumer incentive design for digitally native brands across the consumer funnel.”*

- Our use case involves building a **knowledge model** that would cater to automating the complex decisions we have identified in the gaps involved in the consumer incentive design process right now.
- It will take into **input 60+ parameters** related to **consumer demographics, company profile, product details, and consumer history** and output probability scores for the following decisions.
- This will thus help automate the **end-to-end process of incentive design** right from choosing what incentive to offer to which consumer to where and when they should offer it.

## 1. Which incentive and how much?

Firstly we will **rank the best incentive (value and category-wise)** for a given consumer based on the **probability score** obtained from the model.

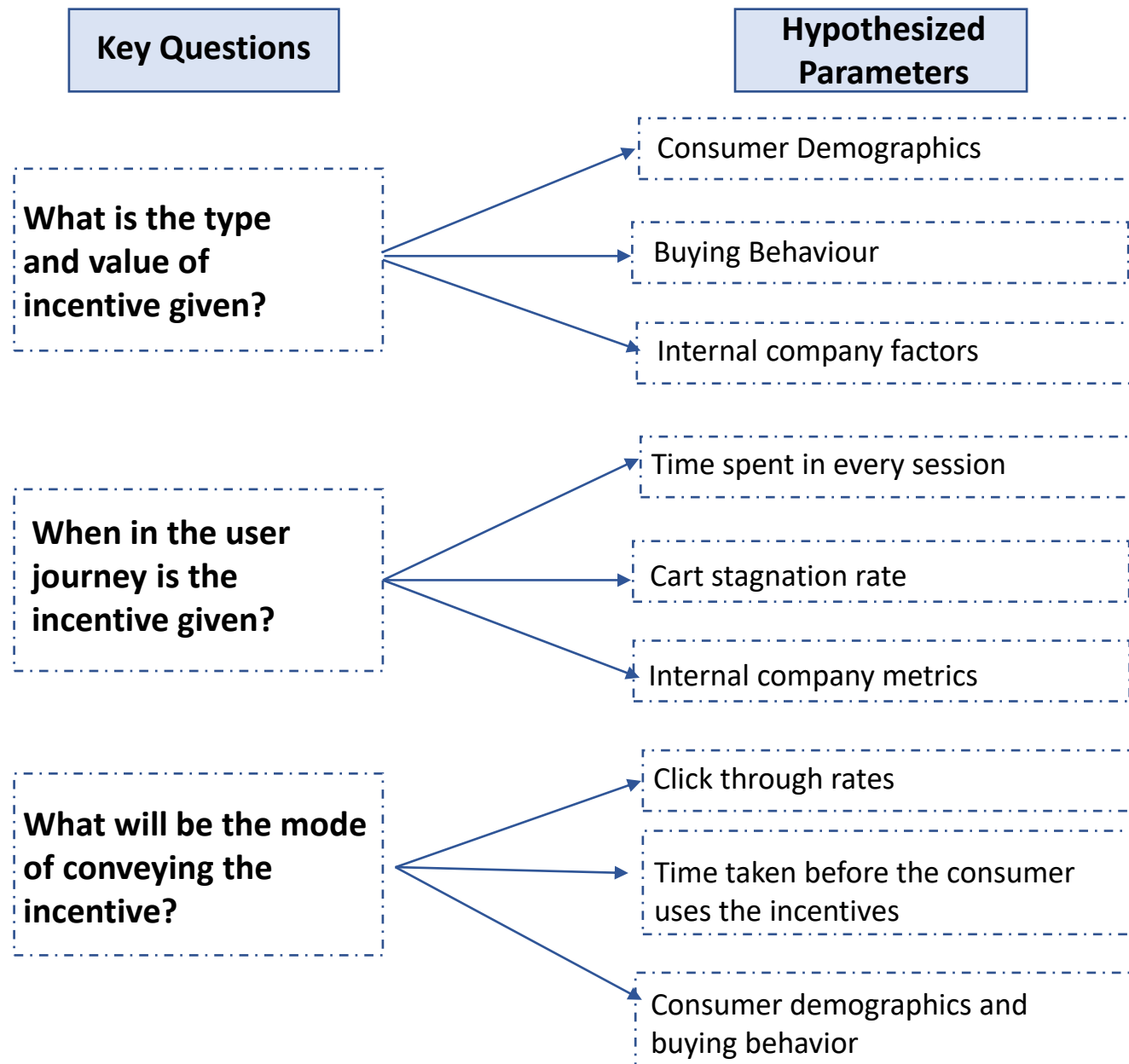
## 2. When in the user journey?

Next, the model would output **when in the consumer user journey** the identified incentives should be provided to maximize the impact of the output incentive.

## 3. Mode of offering the incentive?

Further, the model would also output **through what mode the chosen incentive should be offered** to the consumer to ensure it is communicated to him effectively.

# Growing need of personalizing incentives with end-to-end automation



**Karthik Shriram**

Associate Professor, IIM A. Expert in Bayesian Statistics.

*"This is indeed a very good use case for a complex decision that can be automated using a model like a **Bayesian network** as there exist several dependent and independent variables influencing the intermediate and final decisions".*

*"I really liked the idea of automating the incentive design system and also the list of parameters seems pretty exhaustive. There is a growing need for the personalization of incentives in the industry and if implemented well, it can bring about a significant impact, especially for the retention of customers".*

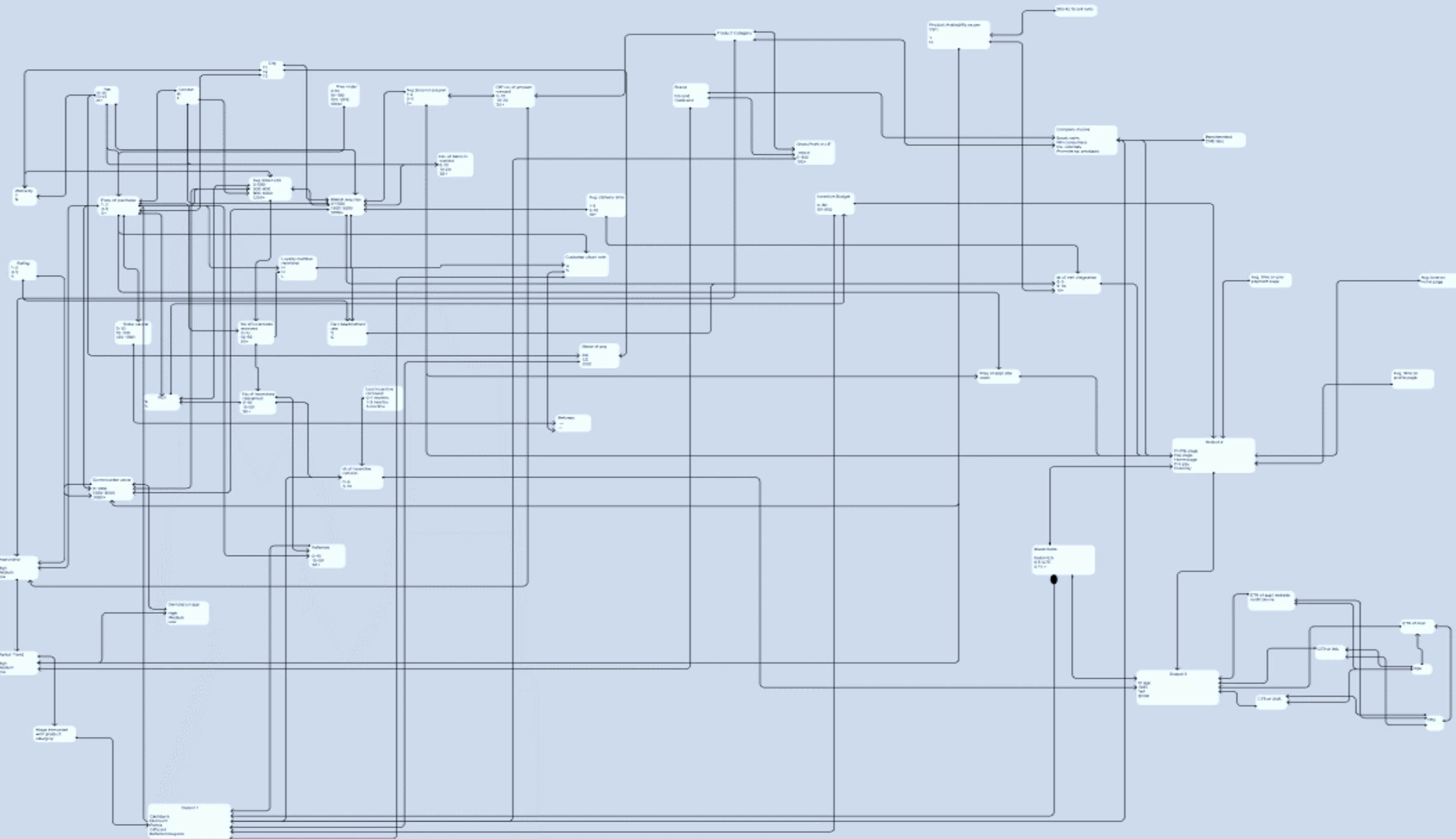


**Anuj Kapoor**

Associate Professor of Marketing, IIM A.

## KEY CONSIDERATIONS IN THE MODEL

- Using **pseudo-variables** and **metrics** that directly affect a lot of parameters.
- Tailoring our model to be **averse to dilution**.
- Analyzing and rewarding **indirect value creation** along with purchases.



# Consumer-Centric Bucket: Overview (1/2)

## BUCKET'S SIGNIFICANCE

### Expert's opinion

*"Since incentive design is highly sensitive to the previous reaction of consumer with the brand, all parameters related to consumer data are crucial"*  
-Bhavik Shah, CRM Expert, ex-Amazon

### Dependency on the Bucket

This basket helps us analyse and predict the following:

- Consumer Behaviour
- Consumer buying pattern
- Relevance of an incentive to a consumer

### Leverage points for DNB

- This basket fits best especially for digitally native brands
- Since, these brands already collect so much consumer data, it cuts down on the process of data searching

### Impact of Parameters

Has an heavy impact on the outputs as 15+ input parameters are present in this bucket

## SUB DOMAINS



Demographics



Buying Behaviour



Consumer Incentive History

## DATA SOURCING



Consumer Account on company's server



Transaction History

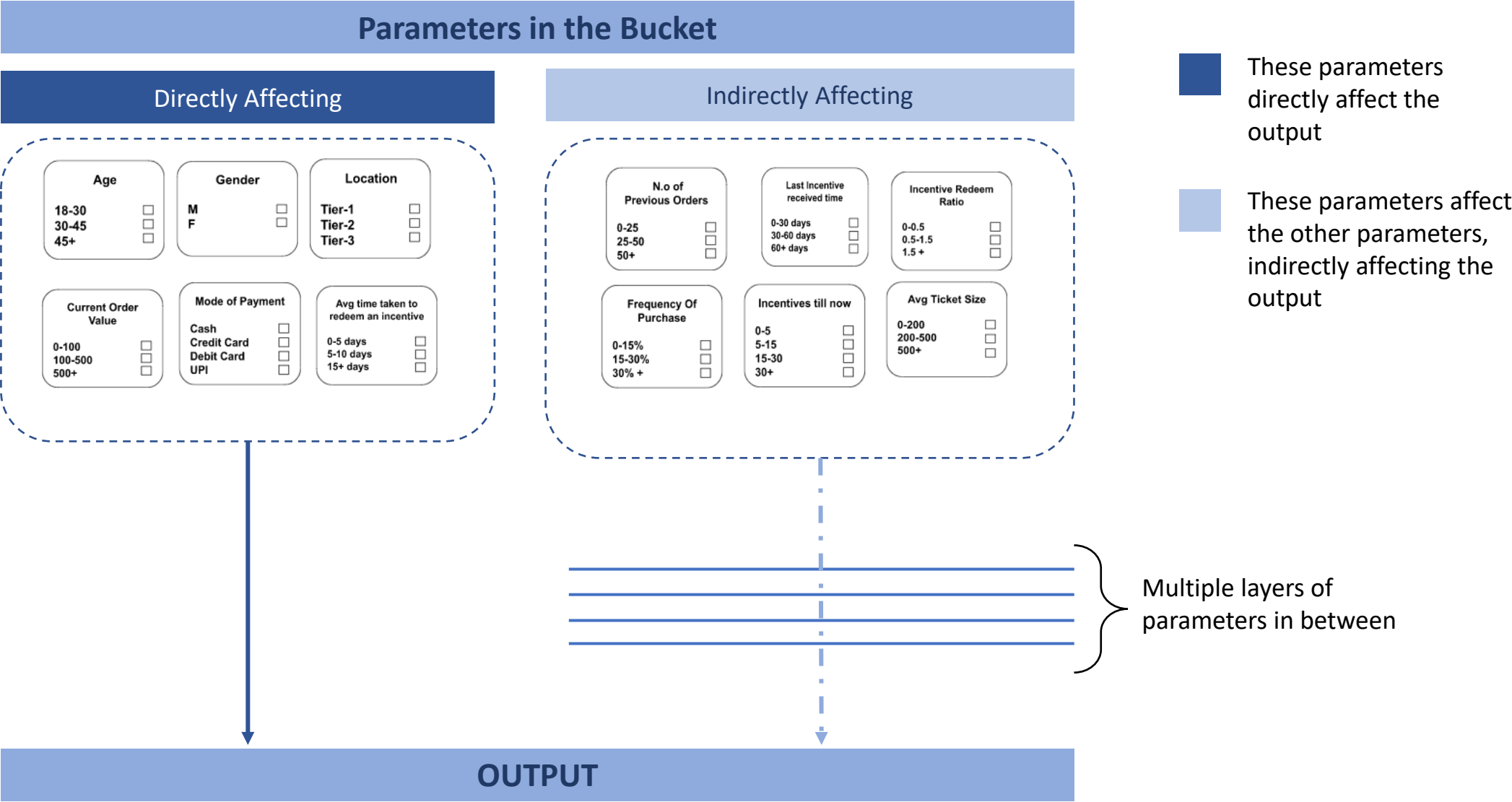


Google Account

## IMPORTANT PARAMETERS

Avg Ticket Size	Gender	Location	Current Order Value	Frequency Of Purchase	Age	N.o of Previous Orders	Mode of Payment	Incentives till now	Incentive Redeem Ratio	Avg time taken to redeem an incentive
0-200 <input type="checkbox"/> 200-500 <input type="checkbox"/> 500+ <input type="checkbox"/>	M <input type="checkbox"/> F <input type="checkbox"/>	Tier-1 <input type="checkbox"/> Tier-2 <input type="checkbox"/> Tier-3 <input type="checkbox"/>	0-100 <input type="checkbox"/> 100-500 <input type="checkbox"/> 500+ <input type="checkbox"/>	0-15% <input type="checkbox"/> 15-30% <input type="checkbox"/> 30% + <input type="checkbox"/>	18-30 <input type="checkbox"/> 30-45 <input type="checkbox"/> 45+ <input type="checkbox"/>	0-25 <input type="checkbox"/> 25-50 <input type="checkbox"/> 50+ <input type="checkbox"/>	Cash <input type="checkbox"/> Credit Card <input type="checkbox"/> Debit Card <input type="checkbox"/> UPI <input type="checkbox"/>	0-5 <input type="checkbox"/> 5-15 <input type="checkbox"/> 15-30 <input type="checkbox"/> 30+ <input type="checkbox"/>	0-0.5 <input type="checkbox"/> 0.5-1.5 <input type="checkbox"/> 1.5 + <input type="checkbox"/>	0-5 days <input type="checkbox"/> 5-10 days <input type="checkbox"/> 15+ days <input type="checkbox"/>

# Consumer-Centric Bucket: Relationship with Output (2/2)



# Product Purchase Bucket: Overview (1/2)

## BUCKET'S SIGNIFICANCE

### Expert's opinion

*"Given insight into whether a consumer has an intention to make a purchase or not, thus can affect the choice of the distribution network that the incentive needs"*  
-Rishabh Kohli, PM at Flipkart

### Dependency on the Bucket

This basket helps us analyse and predict the following:

- Inventory Management
- Customer engagement with different product categories
- Wow locations in our app/site

### Leverage points for DNB

- Digitally native brands have a variety of product categories, hence these parameters will help them in efficient management of those according to consumer needs

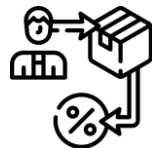
### Impact of Parameters

Has an heavy impact on the outputs as 17+ input parameters are present in this bucket

## SUB DOMAINS



Directly affecting product purchase



Indirectly affecting product purchase

## DATA SOURCING



Consumer Account on company's server



Company Data



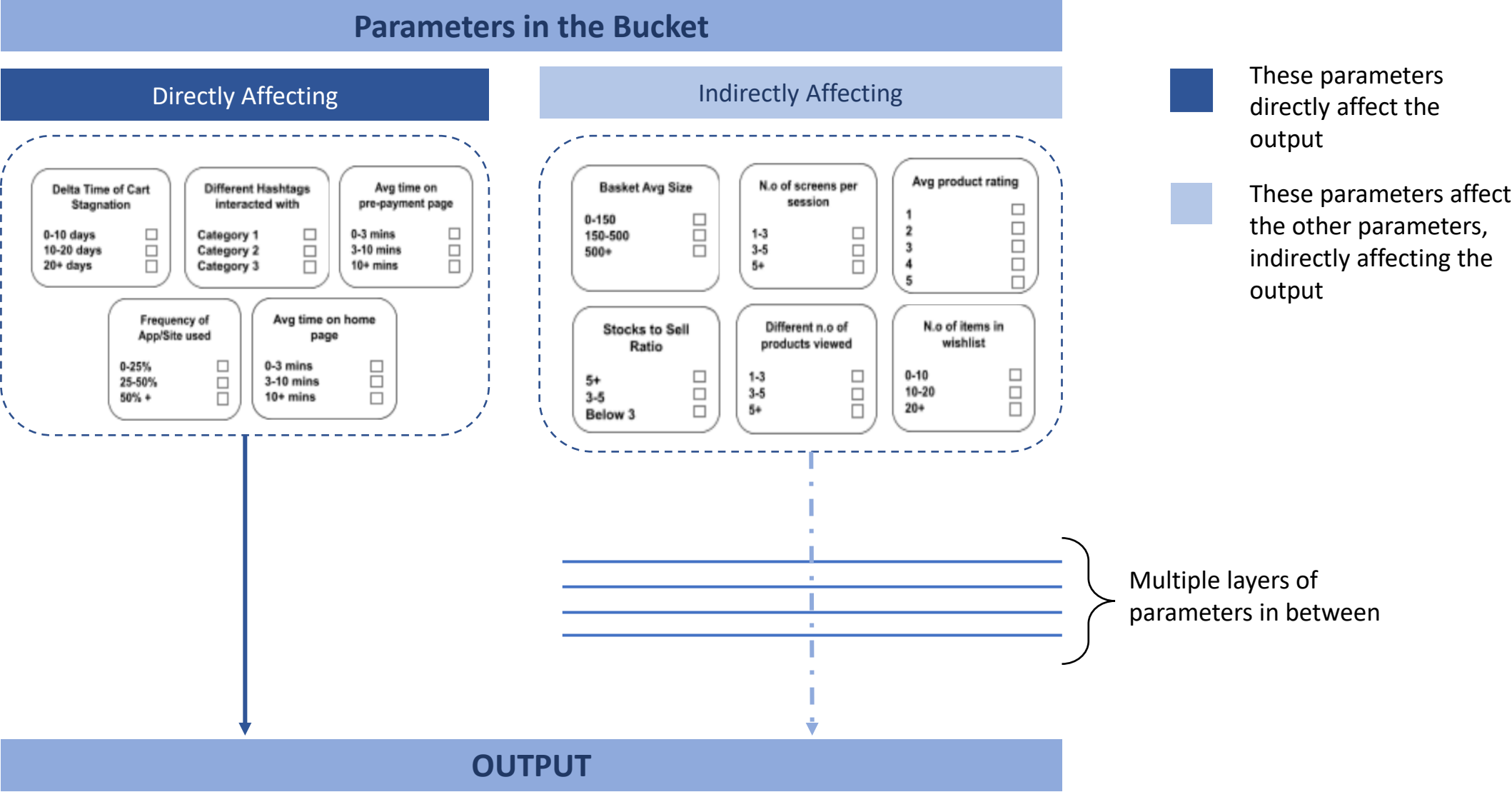
Consumer Social Media Handles

## IMPORTANT PARAMETERS

<b>Basket Avg Size</b> 0-150 <input type="checkbox"/> 150-500 <input type="checkbox"/> 500+ <input type="checkbox"/>	<b>Stocks to Sell Ratio</b> 5+ <input type="checkbox"/> 3-5 <input type="checkbox"/> Below 3 <input type="checkbox"/>	<b>Delta Time of Cart Stagnation</b> 0-10 days <input type="checkbox"/> 10-20 days <input type="checkbox"/> 20+ days <input type="checkbox"/>	<b>Different Hashtags interacted with</b> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 3 <input type="checkbox"/>	<b>Frequency of App/Site used</b> 0-25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50% + <input type="checkbox"/>	<b>N.o of screens per session</b> 1-3 <input type="checkbox"/> 3-5 <input type="checkbox"/> 5+ <input type="checkbox"/>	<b>Different n.o of products viewed</b> 1-3 <input type="checkbox"/> 3-5 <input type="checkbox"/> 5+ <input type="checkbox"/>	<b>Avg product rating</b> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	<b>Avg time on home page</b> 0-3 mins <input type="checkbox"/> 3-10 mins <input type="checkbox"/> 10+ mins <input type="checkbox"/>	<b>N.o of items in wishlist</b> 0-10 <input type="checkbox"/> 10-20 <input type="checkbox"/> 20+ <input type="checkbox"/>
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# Product Purchase Bucket: Relationship with Output (2/2)



# Company-Centric Bucket : Overview (1/2)

## BUCKET'S SIGNIFICANCE

### Expert's opinion

*"Keeping a track of the company's performance compared to their peers is highly required to keep up with market demands"*

-Shivam Jalotra, AdTech at Flipkart

### Dependency on the Bucket

This basket helps us analyse and predict the following:

- Market Trends
- Performance of Competitors
- Consumer Engagement on different platforms

### Leverage points for DNB

- The competition for DNB is cut-throat and even one move here and there can put them on the backfoot, hence these brands can use this bucket to their advantage and provide better consumer service

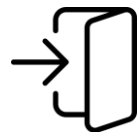
### Impact of Parameters

Has an heavy impact on the outputs as 14+ input parameters are present in this bucket

## SUB DOMAINS



Surface Metrics



Internal Metrics

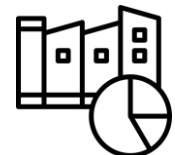
## DATA SOURCING



Consumer Account  
on company's  
server



Company Data



Industry Analysis

## IMPORTANT PARAMETERS

### Market Trends

High	<input type="checkbox"/>
Medium	<input type="checkbox"/>
Low	<input type="checkbox"/>

### Benchmarked Conversion Rate

Below 0.75	<input type="checkbox"/>
0.75-1.25	<input type="checkbox"/>
1.25+	<input type="checkbox"/>

### Brand Ratio

Below 0.5	<input type="checkbox"/>
0.5-0.75	<input type="checkbox"/>
0.75+	<input type="checkbox"/>

### Company Motives

Boost Sales	<input type="checkbox"/>
Promote specific products	<input type="checkbox"/>
Customer Retention	<input type="checkbox"/>
Increase Referrals	<input type="checkbox"/>

### Seasonality

High	<input type="checkbox"/>
Medium	<input type="checkbox"/>
Low	<input type="checkbox"/>

### Order Cancellation Rate

0-5%	<input type="checkbox"/>
10-15%	<input type="checkbox"/>
15% +	<input type="checkbox"/>

### Churn Rate

0-0.3	<input type="checkbox"/>
0.3-0.5	<input type="checkbox"/>
0.5+	<input type="checkbox"/>

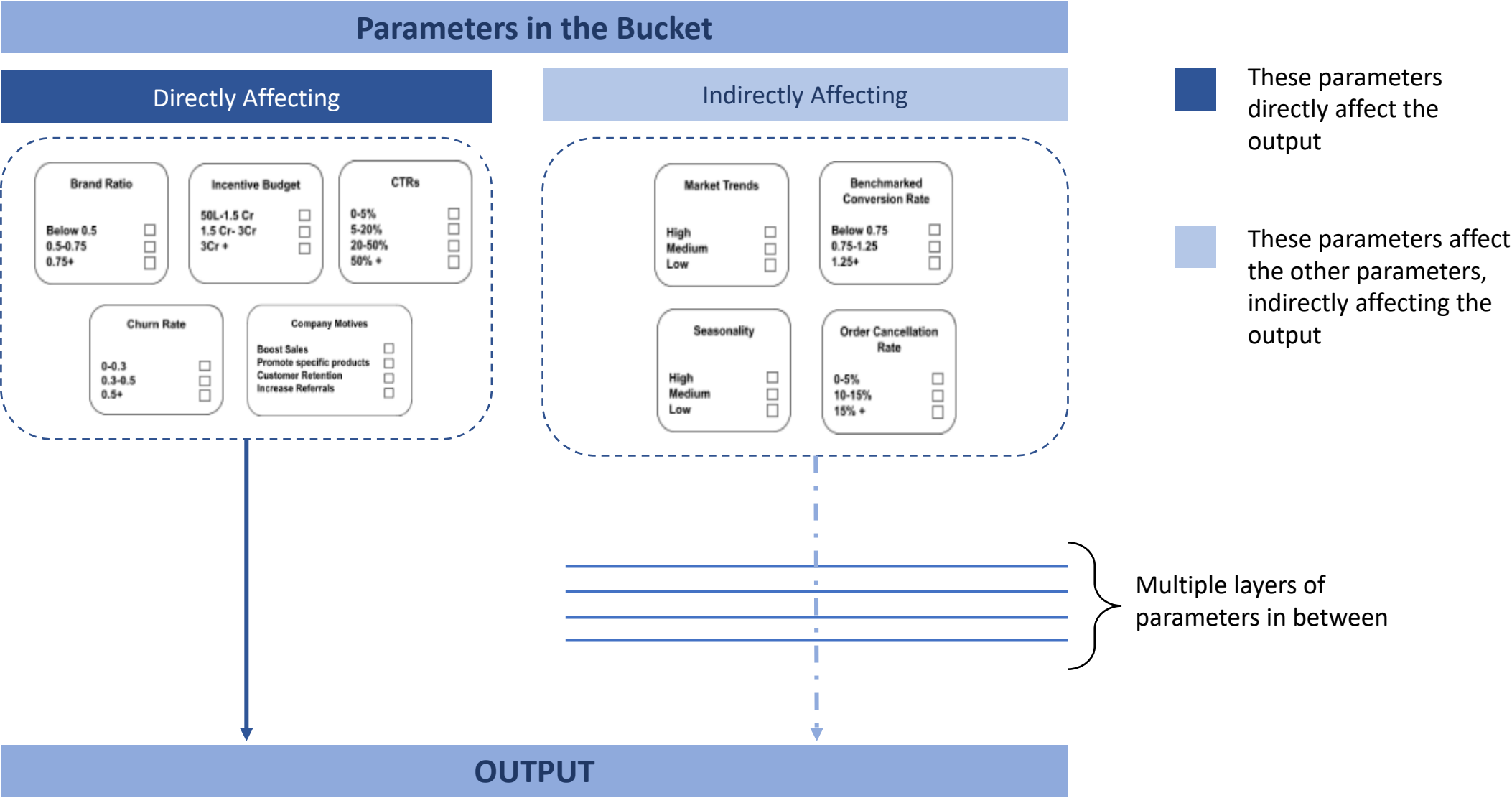
### Incentive Budget

50L-1.5 Cr	<input type="checkbox"/>
1.5 Cr- 3Cr	<input type="checkbox"/>
3Cr +	<input type="checkbox"/>

### CTRs

0-5%	<input type="checkbox"/>
5-20%	<input type="checkbox"/>
20-50%	<input type="checkbox"/>
50% +	<input type="checkbox"/>

# Company-Centric Bucket : Relationship with Output (2/2)



# Output Parameters: Overview



## WHY THIS STRUCTURE IN PARAMETERS?

### Bifurcated Output

- Break down of incentive design output into **Type, value, positioning**, and **channel of promotion**

### Streamlined dependency

- **25+ primary linkages** and **4 major chains** for simplifying the dependency with the output parameters

### Better personalisation

- **60+** Unique parameters to account for every factor in incentive design which **weighs** the interests of both the **stakeholders** in a balanced way.

### Noise reduction

- With a collection of variables that are **static and dynamic**, **noise** in consumer data will be **repressed** through **static variables**

### Type and Value of incentive

Cash backs, discounts, points coupons etc and the value to the user for the same

### Positioning of incentive

Profile page, home page, pre/post-pay page, and the payment page

### Where to promote the incentive

In the app/site, emails, WhatsApp, sms etc

### Expert's perspectives



**Ankita Pathak**

PM, Zepto, Ex-Meesho, Ex- Mastercard

1

"Incentive design industry needs an **end-to-end solution** to **personalize** incentives according to every consumer rather than a **cohort-based approach**"

2

"**Noise in consumer data** is a big barrier in automation of incentive design, however, **static variables** can cater it to a large extent"



## AFFECTED BY

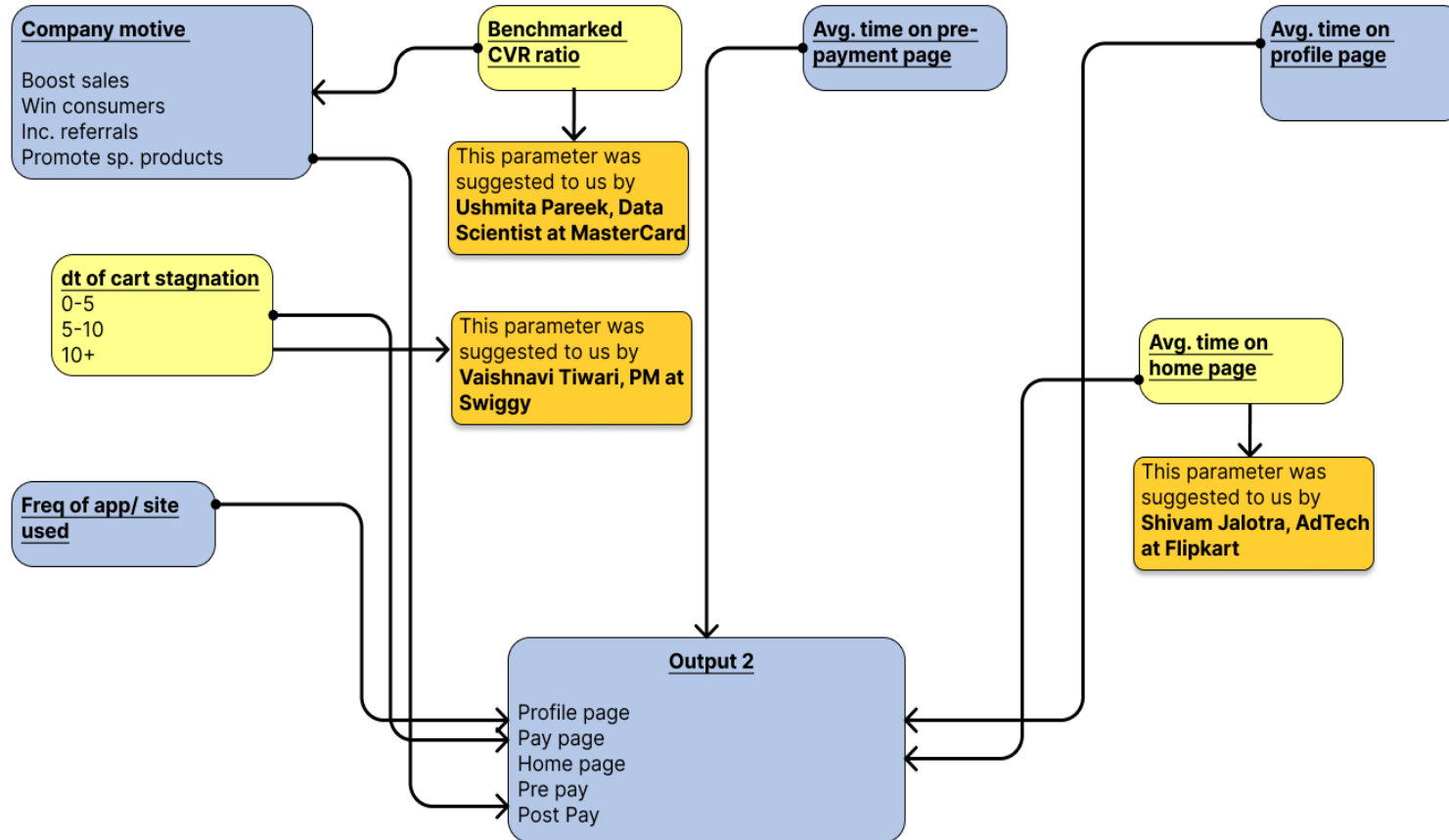
Incentive  
Dependence  
on  
parameter  
bucket

D B	A	
C	E	

Number of Layers between parameter  
and output

- A) Consumer Demography    C) Indirect purchase activities  
B) Buying Behaviour        D) Responses to incentive  
E) Product purchase variables

# Understanding the interactions not leading to purchases



## Impact of the incentive chain



Accounts for activities that **do not directly** lead to the **purchase**



Gives **boundary conditions** for incentive design in form of the **company's internal metrics**



**Benchmarking to industry standards** to account for **competition**

## Success Metrics



**Stickiness ratio**



**Average revenue per user**



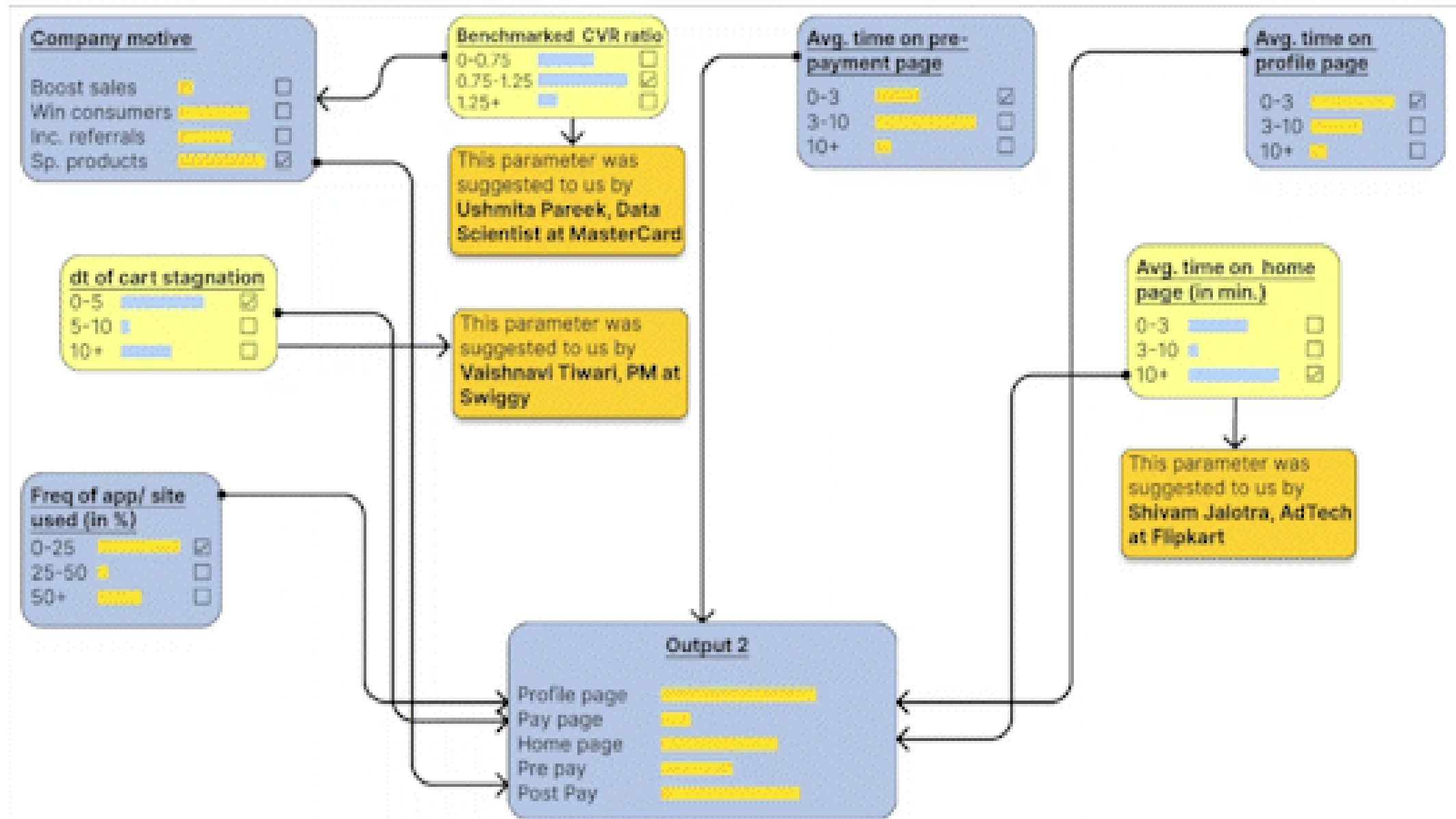
**Consumer lifetime value**

## Parameters affecting the Chain

Product category and Average delivery time

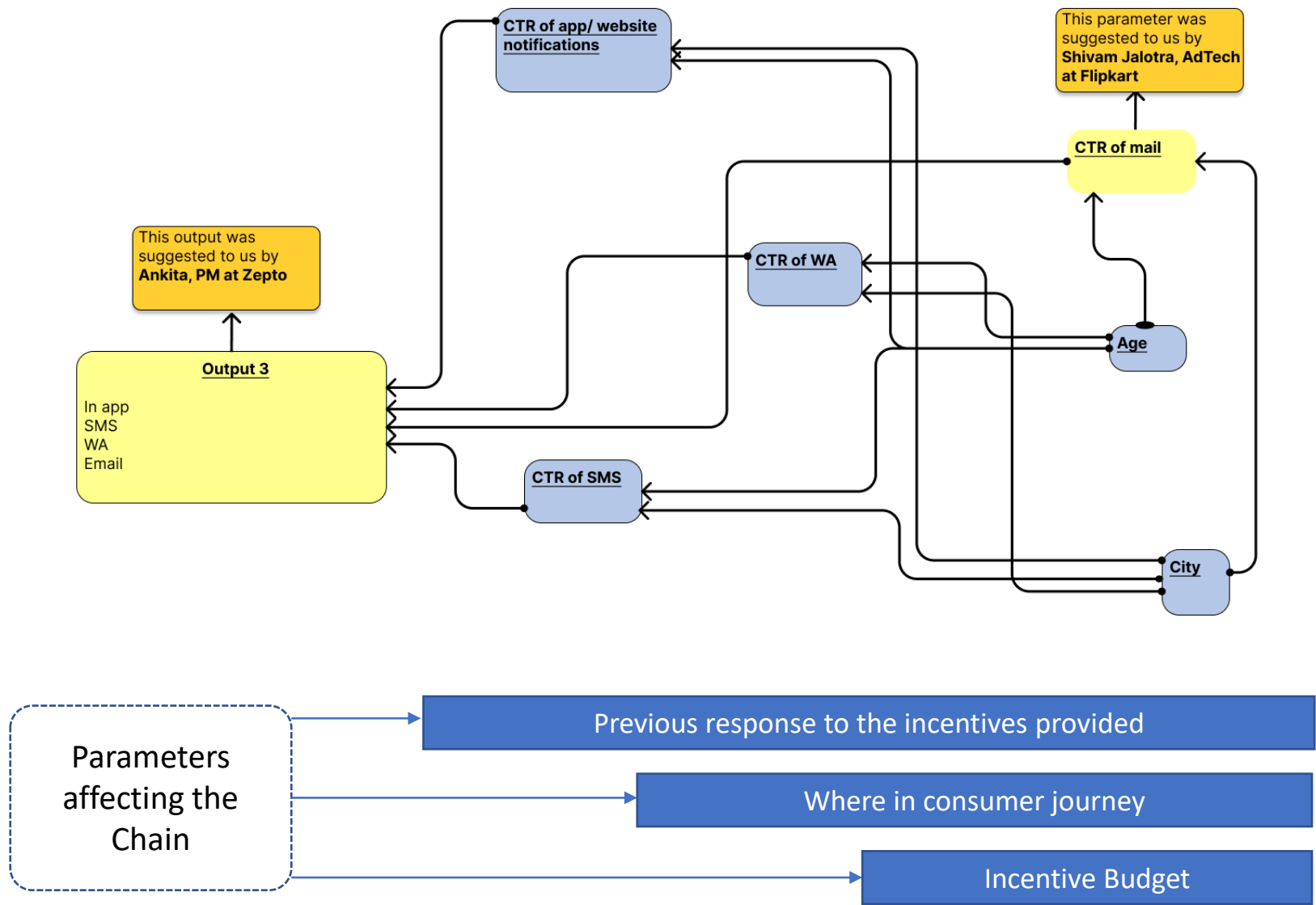
Product: In-brand or Out-brand

Consumer demography





# Non-payment-related consumer activities, consumer demography and incentive distribution



## Impact of the incentive chain



Tracks the **out of site/app** activities of consumer



Increased footfall on **incentive redeem** page



Covers dependance on **type** and **point** where incentive is delivered

## Success Metrics



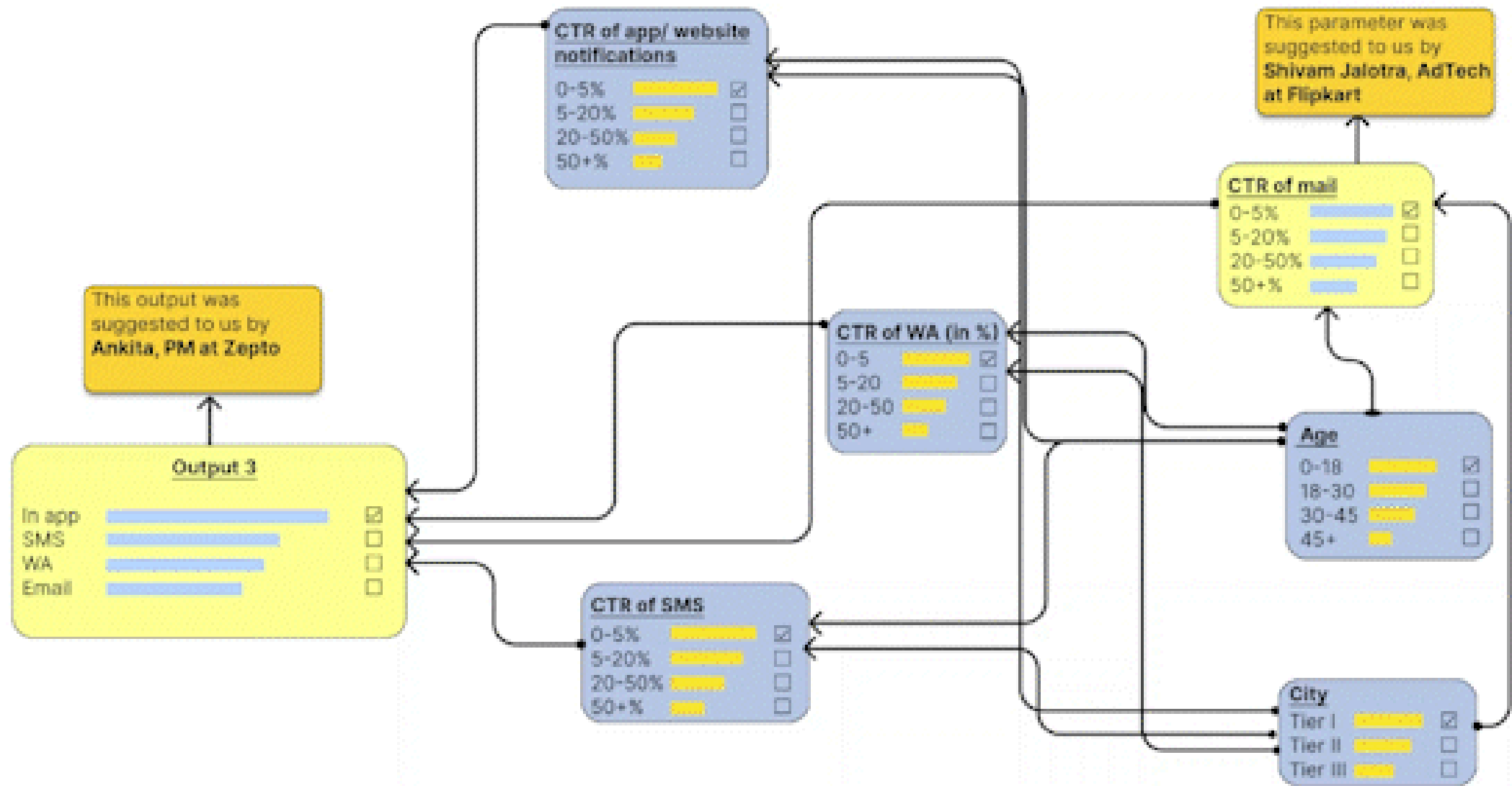
Stickiness ratio



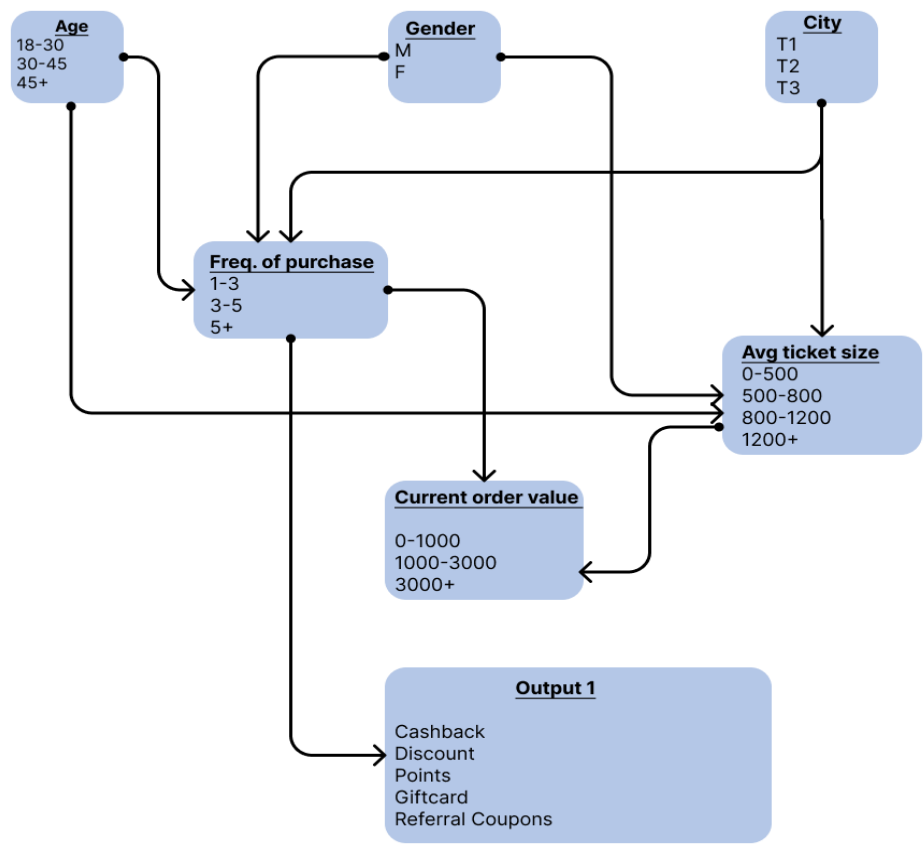
Return on Investment



Footfall on app/site



# Incentive Type: Primary purchasing behaviour of the consumer



## Impact of the incentive chain



Maps **buying history** of consumer with current order value properly



Remains **dynamic** throughout the consumer journey



Self aligns in case of change in target audience

## Success Metrics



Increase in MAU



Sales of particular product



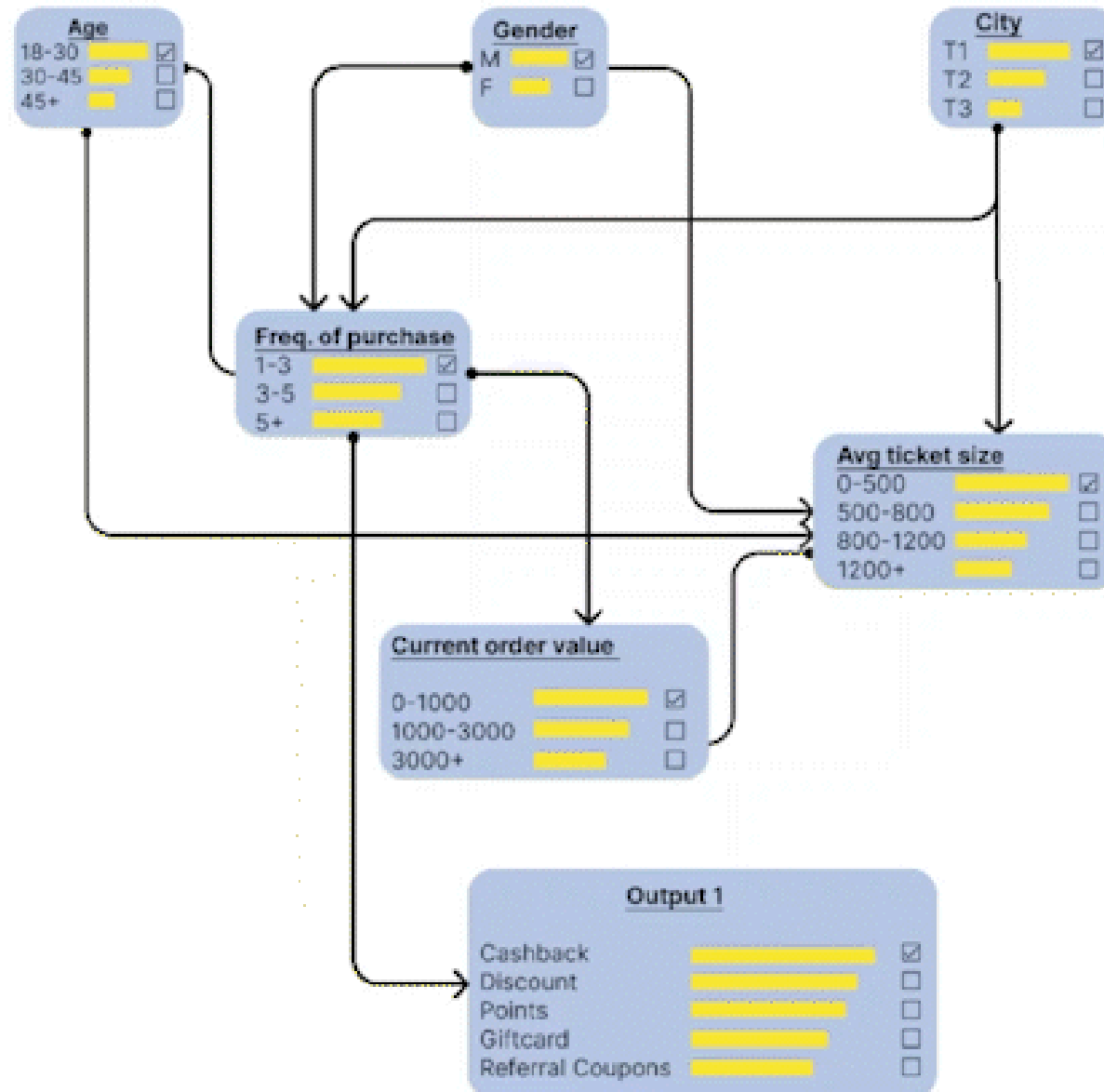
Increase in ticket size

Parameters affecting the Chain

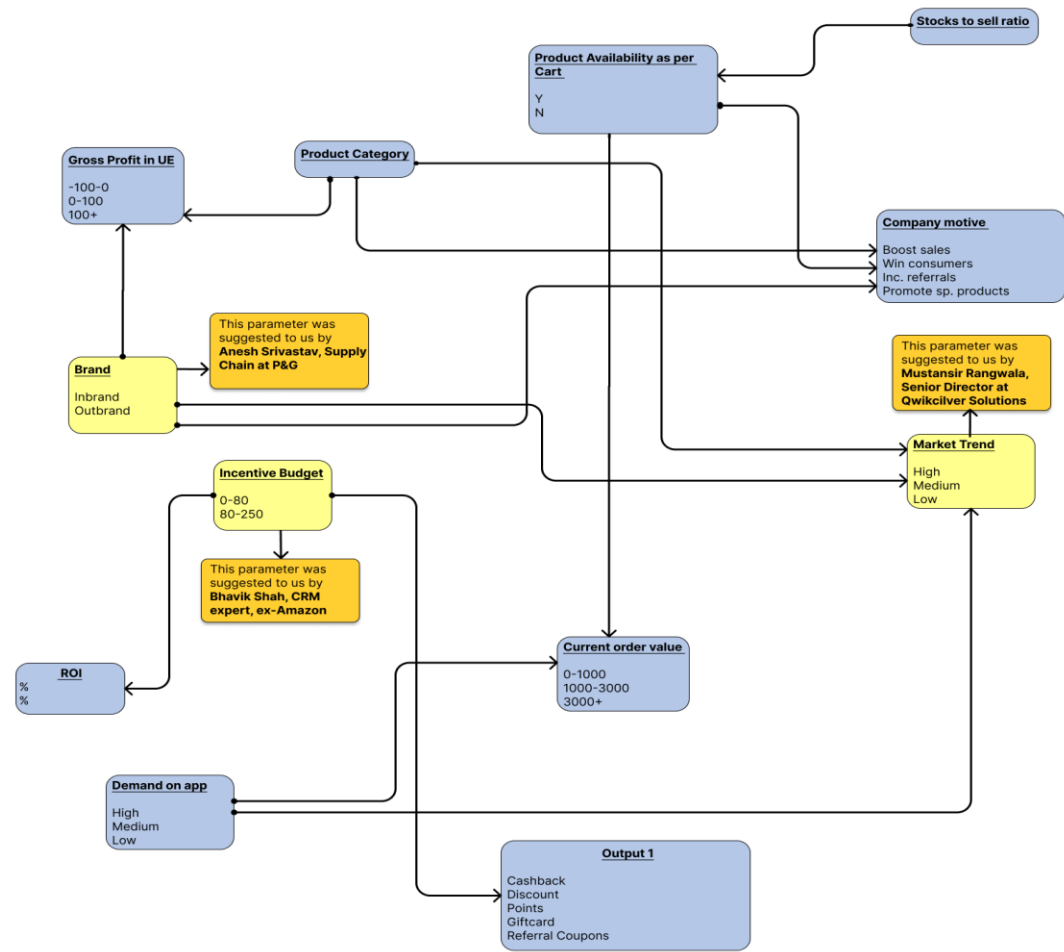
Product Availability and Category

Company's Alignments

Financial Barriers



# Incentive Type: Company-Centric and product purchase parameters



## Impact of the incentive chain



Alignment with **company's motive** and other internal factors



Accounts for in-app/site **trends** in product



**Benchmarking** against current order values

## Success Metrics



**Time taken to redeem incentive**



**Redeem rate of incentive**



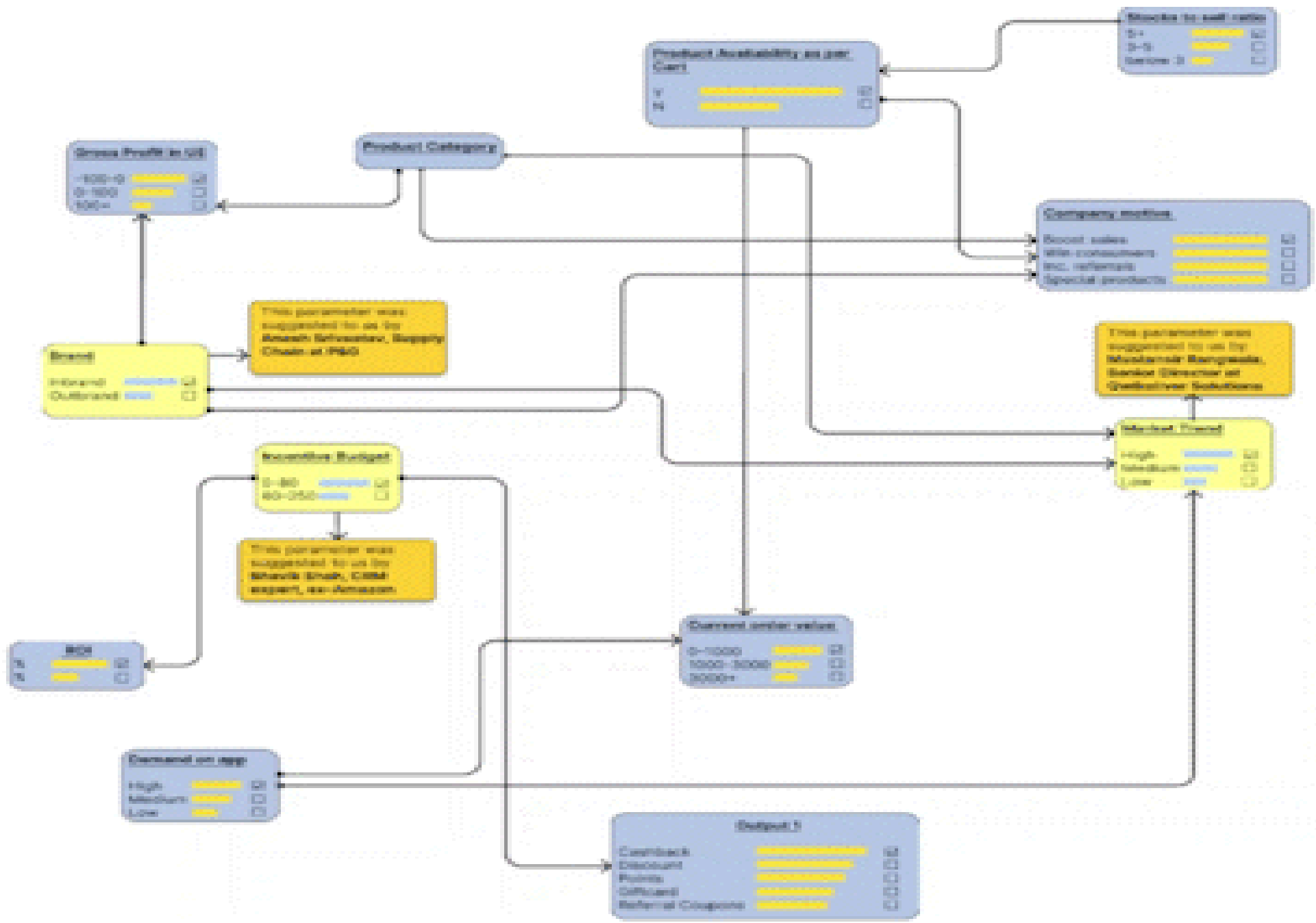
**Footfall increase**

Parameters affecting the Chain

Seasonality in product trends

Purchasing Patterns

Conversion Rate





# Included Intricacies: Pseudo-Variable, Dilution of Parameters

## The use of pseudo-variables:

### Understanding:

- It is not feasible to ask for private data like income and personal preferences directly from the customer.
- To account for such parameters in our model, we made use of pseudo-variables which give us an estimate of the value of the required parameter.

### Relevance:

- It is important to account for all parameters affecting the final decision to effectively map out the best possible incentive for the consumer given his demographic and spending habits.
- As an example we have used customer demographics and past buying patterns to account for their purchasing power.

## Dilution of Parameters:

### Understanding:

- Some parameters will be linked to the final output, directly and indirectly, to compensate for the dilution created because of the multifold layering of parameters in the linkages.

### Relevance:

- Parameters get diluted as we link through multiple other layers of parameters.
- However, some of them have a significant impact on the final output.
- As an example, Age will be a parameter that will directly affect the method and value of incentivization.

## Proof of concept:



**Ushmita Pareekh**

Data Scientist @ Mastercard

*"It is extremely crucial to take in account user data such as income that can't be collected without appropriate surveys. For that, you can look up to other collectible parameters that directly affect the required parameter."*

## Proof of concept:



**Ratnakar Pandey**

Head Data Scientist @ Amazon India

*"Some parameters in the model need to be adjusted in such a way that the parameters existing in the first layer of model must directly connect with the output if required"*

# Analyzing User Interaction indirectly linked to purchases

## Understanding

- Companies also try to bring about incentives to **increase engagement** so as to get more information about consumer behavior across the user journey to cater to personalize the incentives effectively.
- To account for the same we have included a number of parameters like the **average time spent on the app homepage and payment page, click-through rate** and the **number of social media posts interacted with**.

## Relevance

- Overall, a deep understanding of the consumer journey **enables companies to design incentives** that are tailored to the individual needs and motivations of their target audience, making them **more effective** and efficient in driving desired behaviors and outcomes.



Amazon  
Mini-Tv



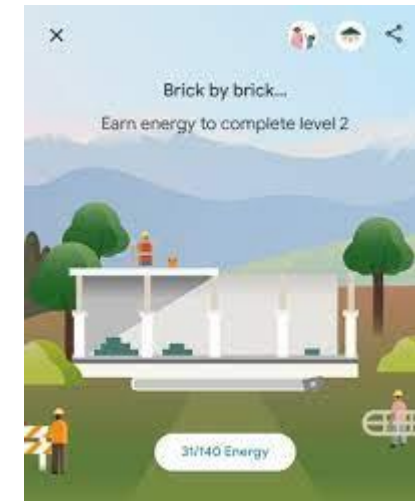
Nykaa Network  
Community

## Proof of Concept: Lenskart Virtual AR Experience

*We are seeing almost 200-300 percent growth there in terms of people ordering without any assistance. Sales are higher online overall. People are browsing online more, still not stepping out despite the lockdown being lifted at the majority of the geographies*



Peyush Bansal  
CEO, Lenskart India.



Google Pay Indihome  
cashback

# Case Study: Applying the knowledge model specifically for Nykaa

## About Nykaa:

- Nykaa is an Indian **e-commerce company** that specializes in **beauty and wellness products**.
- The company offers a wide range of products including **makeup, skincare, and wellness products** from **all brands**.
- Nykaa operates both an **online store** as well as **physical stores** across India and provides customers with a seamless shopping experience.



## What makes Nykaa a good fit for us:

- **Large customer base:** Nykaa has a large and diverse customer base as they operate on an offline and online mode.
- **Wide range of products:** This wide range of products allows the company to offer personalized incentives that cater to different customer needs.
- **Customer data management:** Nykaa has a robust customer data management system that allows it to gather and store customer data, such as purchase history, product reviews, and demographic information.

## Present Incentives offered by Nykaa:



**Seasonal Sale:**  
Nykaa offers large incentives according to seasons and festivals

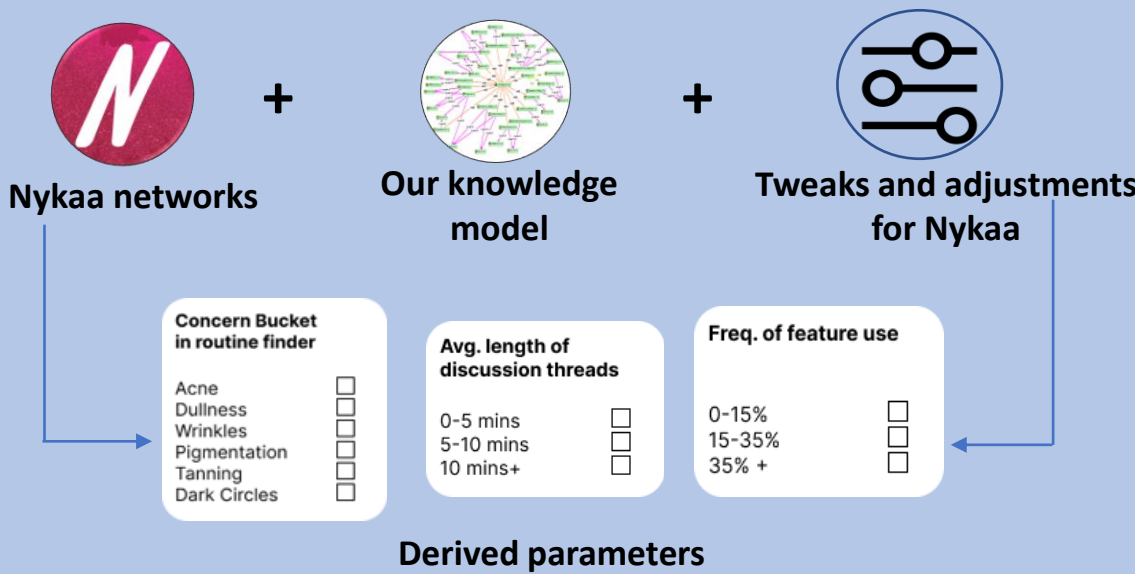


**Generic Discounts:**  
Giving large generic discounts to the masses without for acquisition



**Loyalty Points:**  
Awarding loyalty points to customers based on their past purchases to increase retention


## Knowledge Model for Nykaa:



# How would the outputs of knowledge model vary with different user personas?

**Sanjana** Age: 17 City: Pune

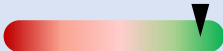

- College student is actively engaged with the latest trends
- Is a part of the Nykaa social network
- Is open to experimenting but has a limited spending capacity



Company motive: Retention


BEFORE	AFTER
<ul style="list-style-type: none"><li>• <b>Product:</b> Nykaa Kajal</li><li>• <b>Priced@</b> Rs. 200</li><li>• <b>Incentive offered:</b> Loyalty points</li><li>• <b>Mode of delivering Incentive:</b> SMS and Emails</li></ul>	<ul style="list-style-type: none"><li>• <b>Product:</b> Nykaa Kajal</li><li>• <b>Priced@</b> Rs. 200</li><li>• <b>Incentive offered:</b> Buy one get one free</li><li>• <b>Mode of delivering Incentive:</b> Whatsapp</li></ul>

CHANCES OF BUYING



**Shivangi** Age: 28 City: Bengaluru

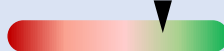

- Working Professional got recently married
- Financially independent
- Brand-specific and won't compromise on quality
- Checks mail regularly.
- Purchases are relatively independent of incentives provided



Company motive: Retention

BEFORE	AFTER
<ul style="list-style-type: none"><li>• <b>Product:</b> Luxury Perfumes</li><li>• <b>Priced@</b> Rs. 5000</li><li>• <b>Incentive offered:</b> Flat 20% off</li><li>• <b>Mode of delivering Incentive:</b> SMS</li></ul>	<ul style="list-style-type: none"><li>• <b>Product:</b> Luxury Perfumes</li><li>• <b>Priced@</b> Rs. 5000</li><li>• <b>Incentive offered:</b> Loyalty Points</li><li>• <b>Mode of delivering Incentive:</b> Emails</li></ul>

CHANCES OF BUYING



**Anupama** Age: 46 City: Rai Bareli

- Housewife
- Financially dependent on family,
- Follows celebrities
- wants to buy better products
- However apprehensive about buying online



Company motive: Acquisition

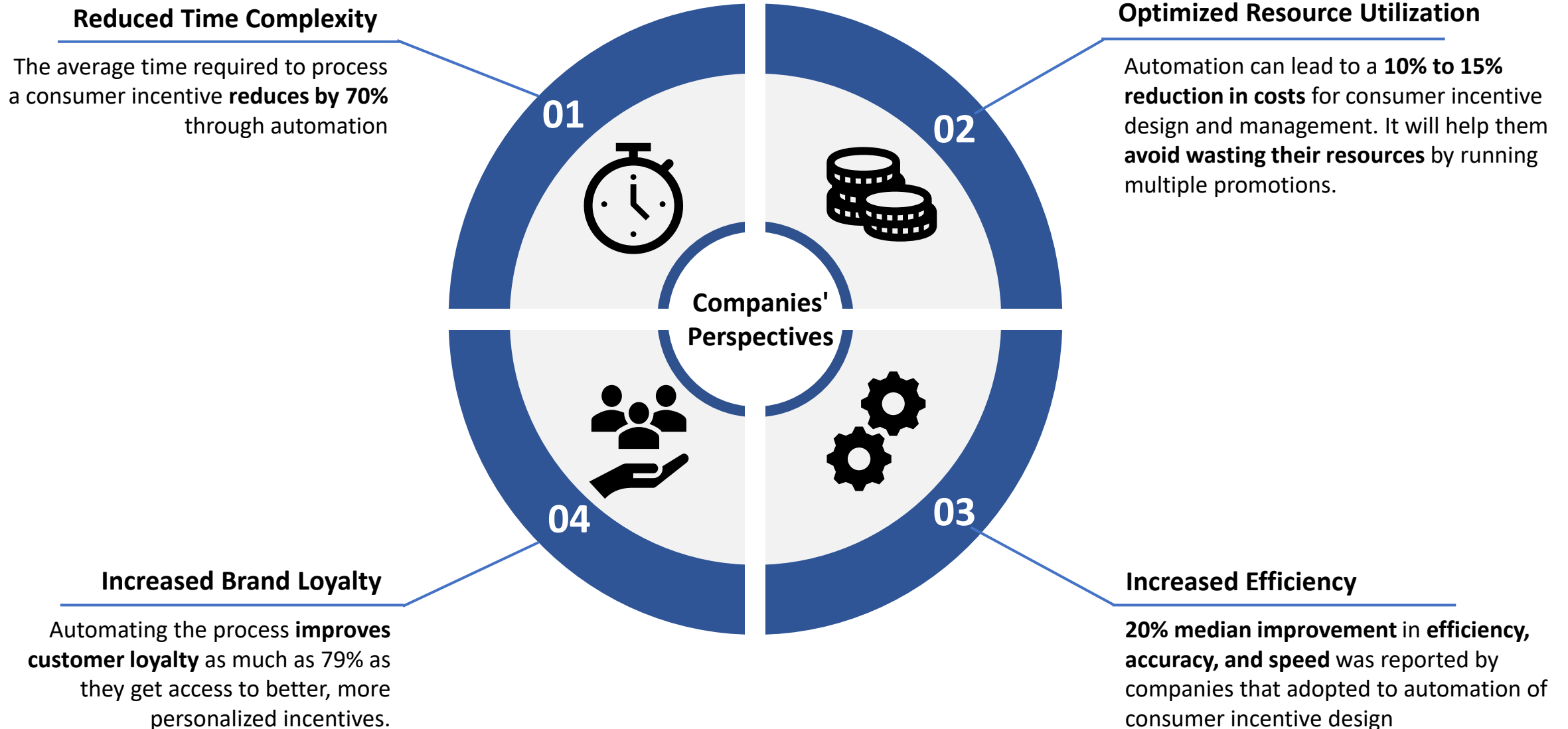
BEFORE	AFTER
<ul style="list-style-type: none"><li>• <b>Product:</b> Nykaa Kajal</li><li>• <b>Priced@</b> Rs. 200</li><li>• <b>Incentive offered:</b> Buy one get one free</li><li>• <b>Mode of delivering Incentive:</b> SMS</li></ul>	<ul style="list-style-type: none"><li>• <b>Product:</b> Nykaa Kajal</li><li>• <b>Priced@</b> Rs. 200</li><li>• <b>Incentive offered:</b> Flat 20% off</li><li>• <b>Mode of delivering Incentive:</b> SMS</li></ul>

CHANCES OF BUYING

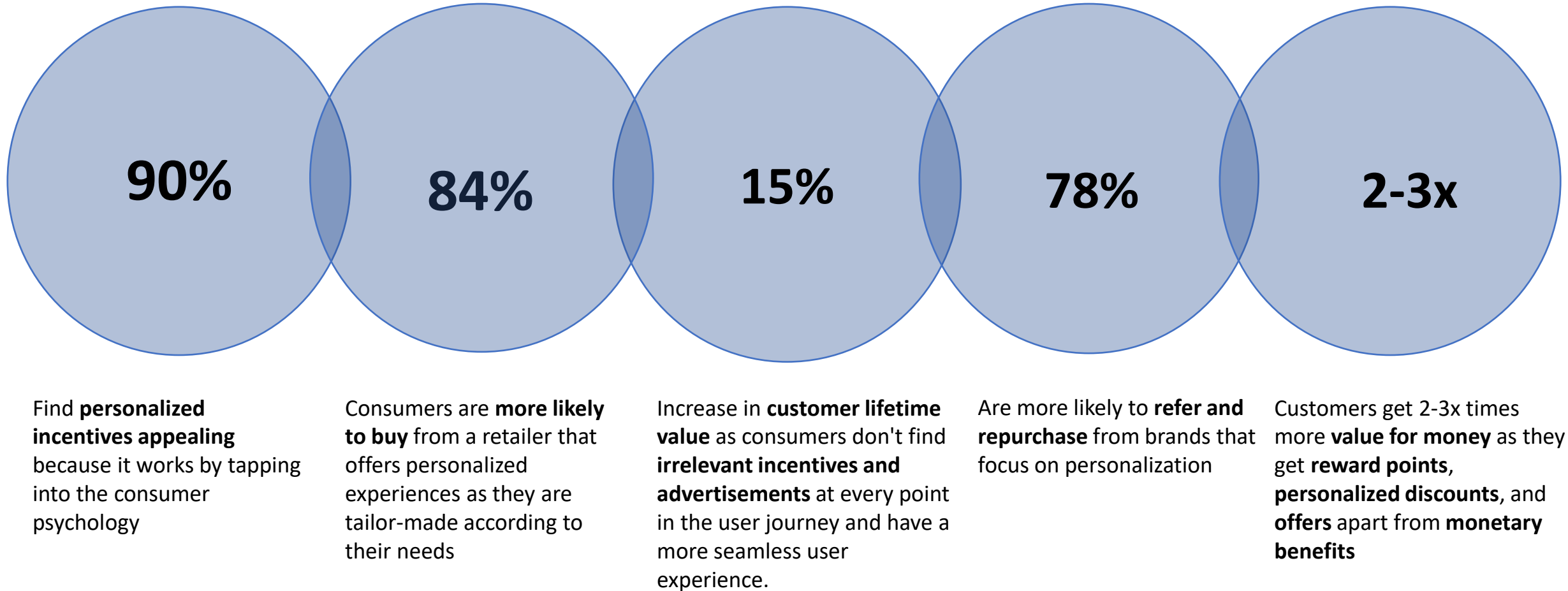


*“As depicted here, unlike traditional methods of incentive design, personalized consumer incentive design does not adopt a “One size fits all” approach and ensures that customer needs are met while designing incentives profitably”*

# Impact: Automating these complex decisions will help company in an all over growth



# Impact: Automating personalization of incentives will improve user experience significantly





# Employing the workarounds wrt pitfalls will improve the accuracy of model

## Pitfalls

- 1 Lack of Feedback Mechanism
- 2 Extraneous Noise (Inaccuracy in consumer data)

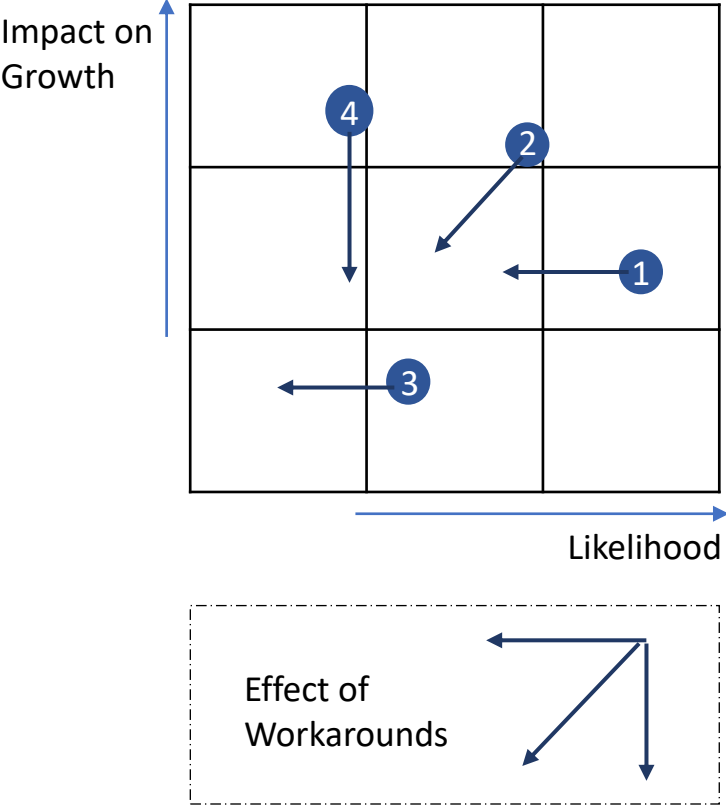
- 3 Increased Technological Costs

- 4 Barrier for outsourcing incentive design

## Workarounds

- ✓ Companies can incorporate A/B testing method to identify more efficient parameters
- ✓ Auto-adjustable parameter weights and conditional probabilities
- ✓ Incorporating sufficient 60+ parameters divided across 3 funnels
- ✓ Taking into consideration the incentive budget of the company, complexity of model would be adjusted
- ✓ Providing End-to-end incentivization across product lifecycle
- ✓ Transitioning to personalized incentives from cohort based system

## Pitfall Mapping



# Where can this knowledge model be implemented in near future?



## Incentive design for employees

- The **scope of automation** in this prospect is much needed as personalized incentive for employees is a key to employee satisfaction, crucial to company's success

### Competitive Leverage

- Parameters, in this case, will change significantly
- The good thing is that the **basic structural framework** of the model will remain the same, so we can explore synergies to tap into this market



## Incentive design for offline marketplaces

- Choice of digitally native brands, with an innate tendency to move offline will pave the path to design incentives for a system as complex as this

### Competitive leverage

- More accurate predictions due to the availability of online data for **consumer buying behaviour**
- **Lesser barrier** for automation and outsourcing due to adaptation by digitally native brands



## Incentive design for potential bank partners

- Banking systems closely align with different commerce spaces for incentives which needs to have the major aspect of personalisation

### Competitive leverage

- Given, data on the company's alignment and financials we'll have the leverage to base our recommendations on the same
- Dealing with **noise** in data sets would be easily dealt with online data of buying behaviour.

The image features a white background with four large, soft-edged, light blue abstract shapes positioned in the corners: top-left, top-right, bottom-left, and bottom-right. These shapes are irregular and organic in form, creating a modern, minimalist aesthetic.

**Thank You!**