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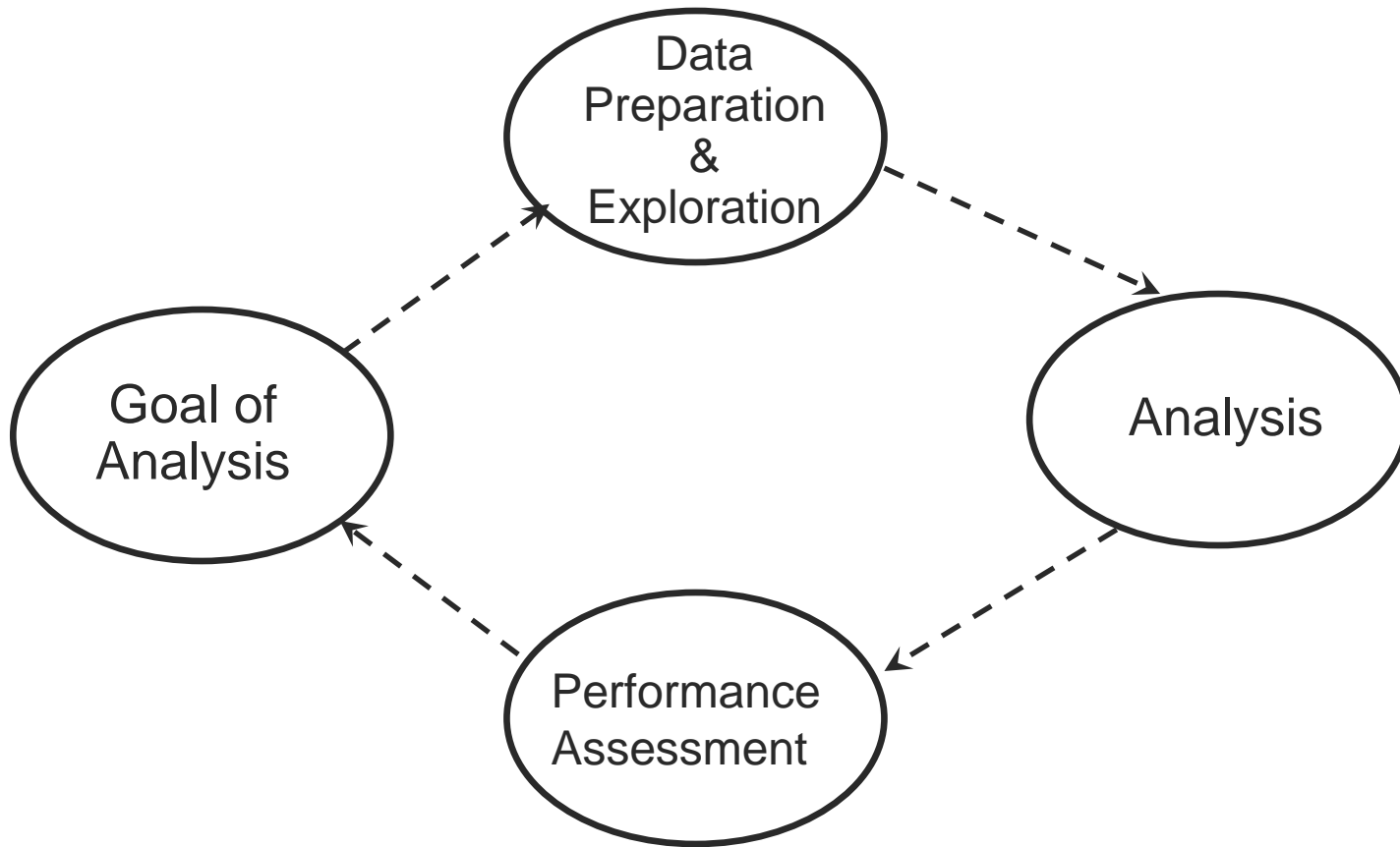


[Big]-Data Analytics for Businesses

Why this class? My three goals

1. “Big Picture”: Develop your intuition about identifying data analytics opportunities and their implementation challenges
2. “Medium Picture”: learn how to approach data analytics projects
3. “Dirty Hands”: Learn how to perform, read, and use key data analytics methods.

The *Iterative Process Cycle*



Basic Types of Questions and Tools

1. Market Basket Analysis: which pairs of products are typically sold together? – “On Friday evenings, shoppers who buy diapers also buy beer”.
2. Factor Analysis: Finding important dimensions (“factors”) that summarize your data, and visualizing your data
3. Clustering: What are the main types of customers we have?
4. Discriminant Analysis: How can we differentiate between the “high value” and “low value” customers?

Questions You Might Hear...



Growth & New Opportunities



Market Structure



Product Development



Channel Deployment



Resource Allocation



Retention & Acquisition

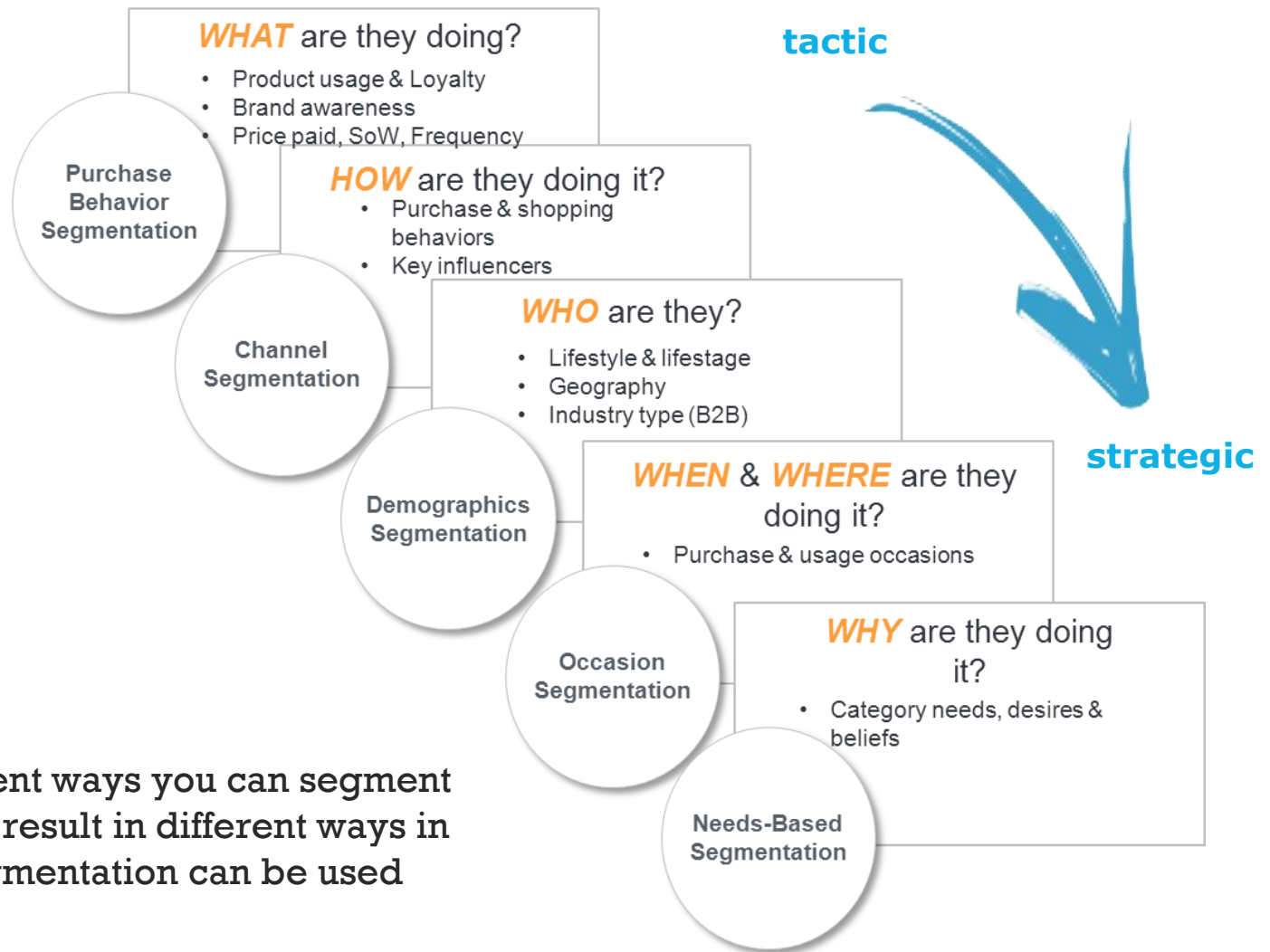


Marketing Activities



Pricing

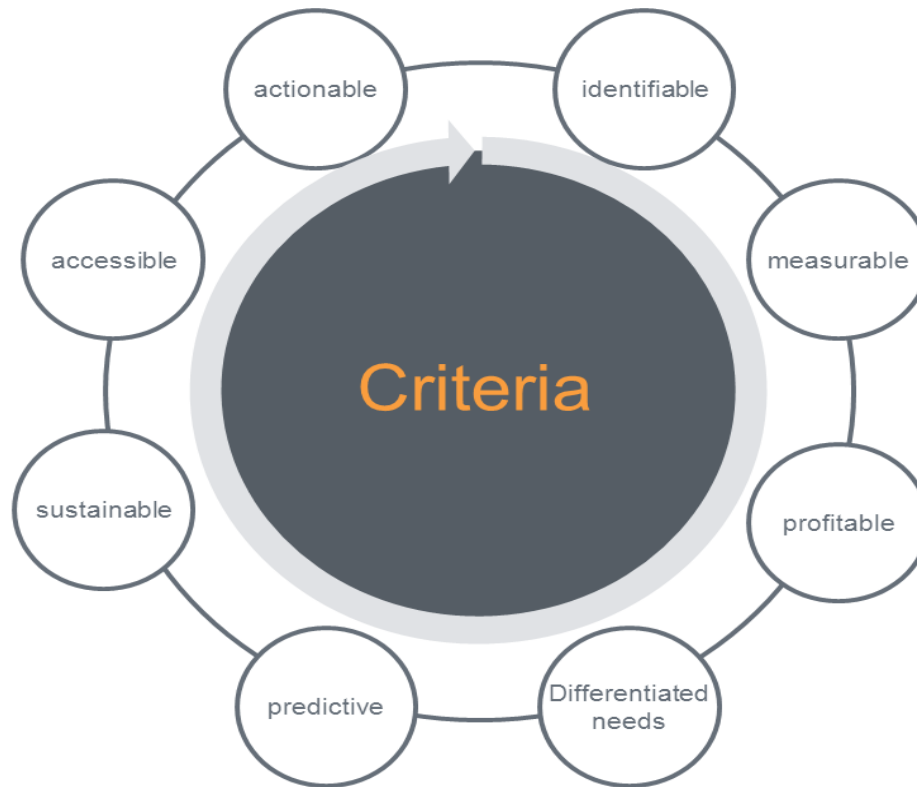
Different Types of Data Used



There are different ways you can segment a market, which result in different ways in which the segmentation can be used

What Makes a “Good” Segmentation?

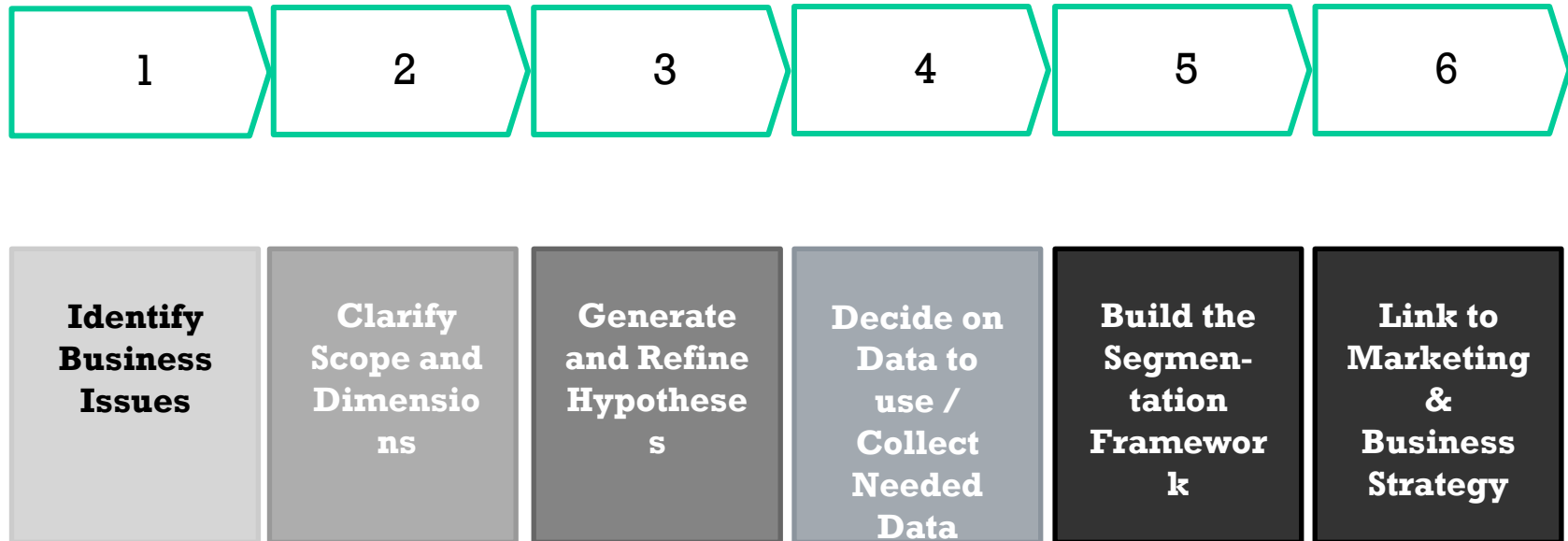
Many different evaluation systems exist.
Most deem a segmentation good if it meets these criteria



Key Tenants on Segmentation

- No one segmentation approach will work in all situations.
- The value in segmentation does not come from the segmentation solution but from the **programs leveraging this solution.**
- Segmentation should be “**customer-in**” versus business- or product-out.
- There is both a **science and an “art”** to designing and evaluating a successful segmentation.
- Segmentation is the foundation for distinctive and **sustainable competitive advantage.**

Segmentation Methodology – A(nother) Process



Overview of segment attitudes

1

Novices

% Total Population: 17%
% US Population: 18%
% Brazil Population: 6%
% Canada Population: 18%

Who they are

- Rely more on expert opinion than their own
- Boating helps them escape from everyday life and relax
- Boating gives me a feeling of adventure

Who they are not

- Not considered knowledgeable about boating
- Boating is not their true life passion
- Boating is not the #1 activity they do in their spare time

2

No Frills

% Total Population: 23%
% US Population: 29%
% Brazil Population: 5%
% Canada Population: 19%

Who they are

- Functionality is more important than style
- Perform repairs and maintenance on their boats
- Tend to prefer a boat with little to no frills

Who they are not

- Do not go for the latest and greatest boat
- Having a powerful boat is not as important to them
- Do not see the boat brand as saying a lot about who they are

3

Status Seekers

% Total Population: 20%
% US Population: 19%
% Brazil Population: 29%
% Canada Population: 18%

Who they are

- Willing to pay a premium for a brand with a reputation for high quality
- Buy the latest and greatest boats
- View their boat as a status symbol

Who they are not

- Do not choose functionality over style
- Do not prefer a basic boat with little to no thrills
- Do not perform repairs and maintenance on their boats

4

Active Family Boaters

% Total Population: 9%
% US Population: 10%
% Brazil Population: 7%
% Canada Population: 10%

Who they are

- Boating helps them stay active
- Boating allows them to excel in sports they're passionate about
- Boating gives me an outlet to socialize with family and/or friends

Who they are not

- The lowest price is not more important than boat brand
- Do not prefer a basic boat with little to no frills
- Do not rely on expert opinion other than their own

5

Price driven Lifestylers

% Total Population: 31%
% US Population: 25%
% Brazil Population: 53%
% Canada Population: 33%

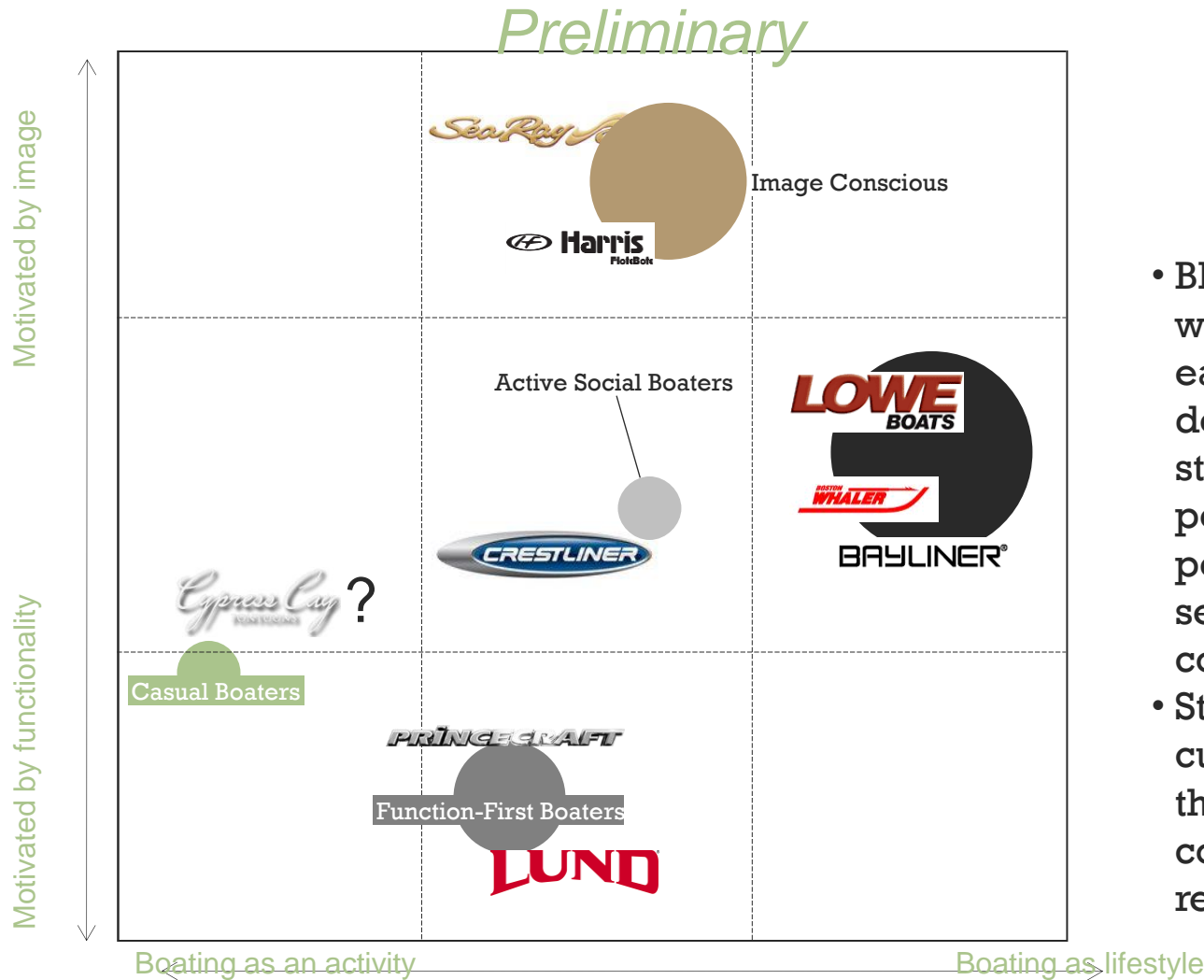
Who they are

- Boating is their true passion in life
- Consider themselves more knowledgeable than their boating peers
- Boating is the #1 activity they do in their spare time

Who they are not

- Boating is not a means to escape from everyday life and relax
- Boating does not provide them with a sense of adventure
- They do not consider owning a boat as a way of rewarding themselves for hard work

Perceptual Maps



Rationale:

- BBG brand portfolio was assessed within each segment to determine brand strength, current penetration/share, perception on key segment drivers vs. key competitors
- Strategic intent and current positioning of the brand was also considered in the recommendation

Note: segment size based on revenue contribution

Overview of segments

SEGMENT 1:
BOATING DNA

Young, adventurous, active. This segment considers boating as part of their identity, and wants a boat they can customize — the better for entertaining and fishing on their own terms. They do extensive research on social media sites as well as with more traditional means like brochures and pro-sealer guides. While these boaters are prior-conscious, they make up the most reliable segment of our population.

SEGMENT 2:
ACTIVE SOCIAL BOATERS

For Active Social Boaters, being on the water is not the time for relaxing at all about the activities. This segment uses their boat to engage in as many activities as possible with their spouse and kids. They look for durable boats that can handle frequent usage, and keep their previous usage safe at the same time. Active Social Boaters prefer a dealer that will teach them how to operate and maintain their jet boat or outboard. That way this segment has the know-how to keep their boat performing at its best.

SEGMENT 3:
IMAGE CONSCIOUS BOATERS

Image Conscious Boaters love to cruise on their boat and entertain their significant others, family, and friends. A professional-grade, cutting edge, and prestigious boat leaves the world that they have arrived. While they have owned boats in the past and consider themselves at an intermediate level, they prefer a trustworthy dealer who gives them the attention they deserve.

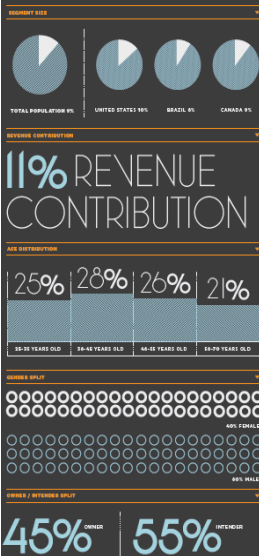
SEGMENT 4:
FUNCTION-FIRST BOATERS

To the Function-First Boaters segment, the most important element of a boat is that it works well. They steer clear of gadgets and accessories that get in the way of their enjoying the outdoors. They like to perform minor repairs and maintenance themselves on their boat, both because they enjoy it and because they want to get it back on the water. They tend toward sturdy boats that are durable and a good value.

SEGMENT 5:
CASUAL BOATERS

When it comes to customizing their boat, they buy boaters with the color's purchase.

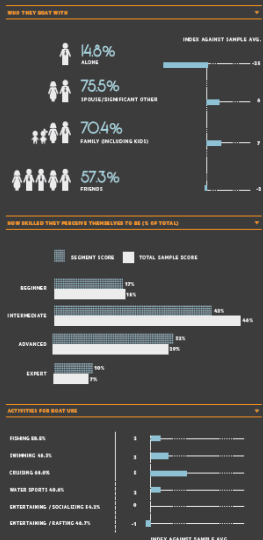
OVERVIEW: ACTIVE SOCIAL BOATERS


























































PURCHASE & EXPERIENCE



EXPERIENCE & USAGE



	STRATEGIC TARGET SEGMENT	PROACTIVE SOURCE OF VOLUME	NON-TARGET, BUT POTENTIAL VOLUME		
	CASUAL BOATERS	FUNCTION-FIRST BOATERS	IMAGE CONSCIOUS BOATERS	ACTIVE SOCIAL BOATERS	BOATING DNA
					
					
					
					
					
					
					
					
					
					
					

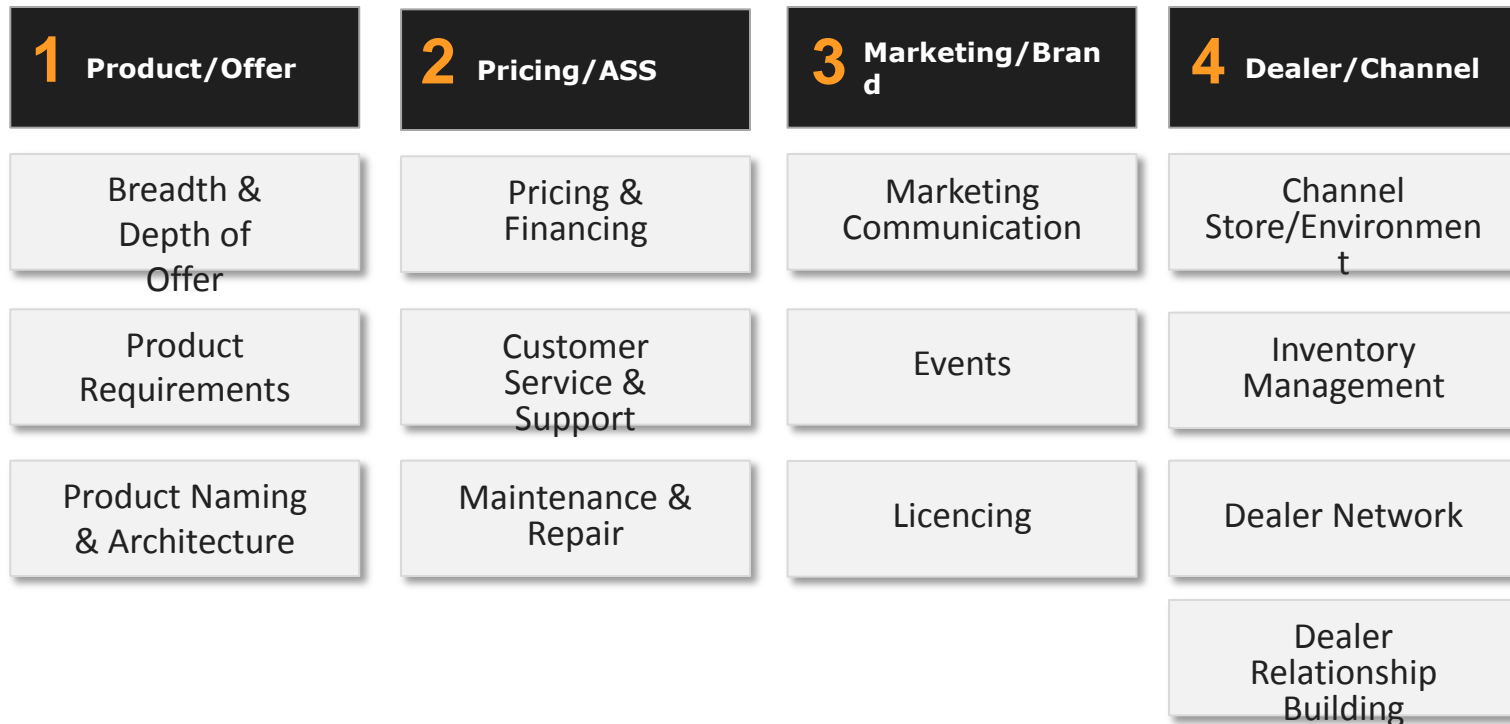
Link to Business Strategy

- Developing the appropriate strategy to go after identified target segments is key for every business



Link to Business Strategy

➤ Just building the segmentation is only half the battle



There is A LOT of
JUDGMENT in ANALYTICS:

Your involvement is
CRUCIAL

Next class: Purchase Drivers and Discrimination

- Who are most likely to click on an ad?
- Who are likely to respond to a direct mail campaign? What distinguishes those who responded to previous direct mail compared to those who do not?
- How are satisfied customers different from dissatisfied customers in terms of their demographics and attitudes towards your products' characteristics?
- Who are likely to default on a loan?
- To whom should we offer a particular promotion?
- Which transaction is most likely a fraud?
- Which applicants are most likely to fit in our organization and succeed?
- Which drug development project should we mainly invest in?

INSEAD

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