

Behaviorally

Decision Precision

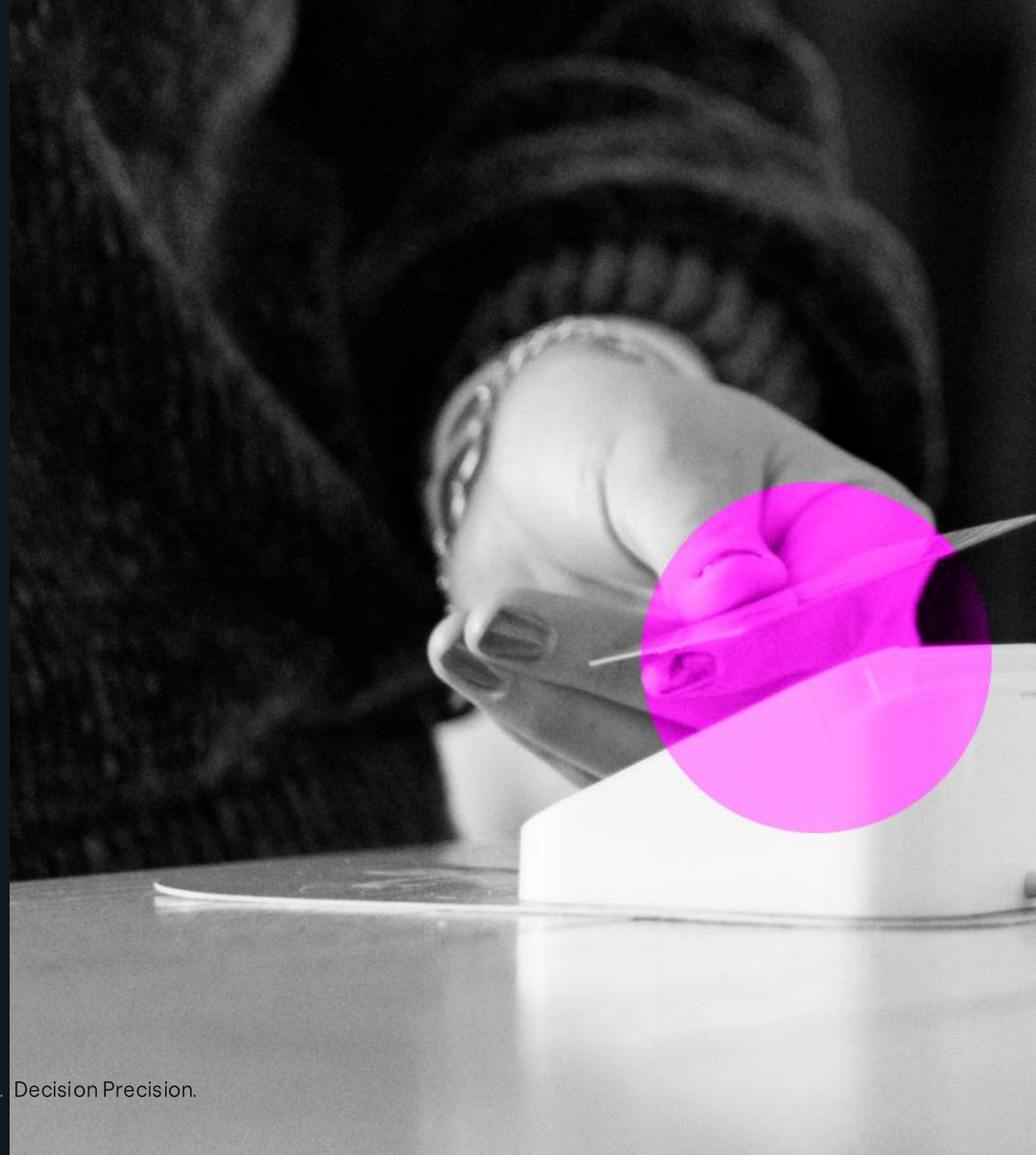
AI-Powered Decision Precision: *Custom Predictive Modeling To Launch Successfully*

Prepared for:

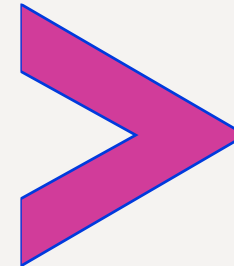
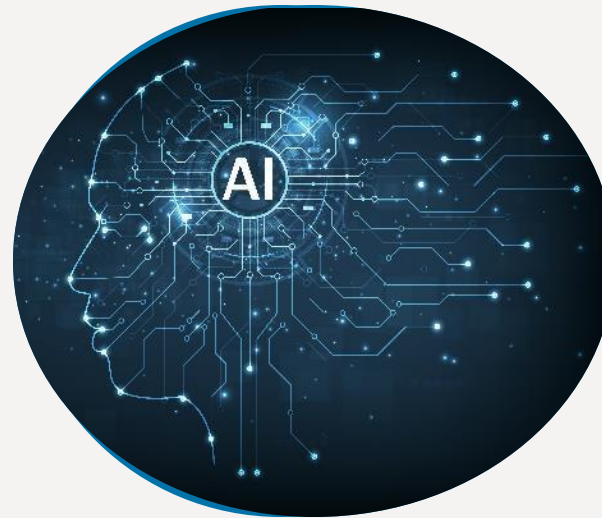
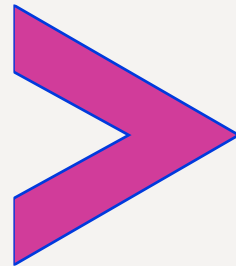
Quirks Chicago

April 2025

We Are Behaviorally. Decision Precision.



Unlock the Power of Behavioral Intelligence





Situation:

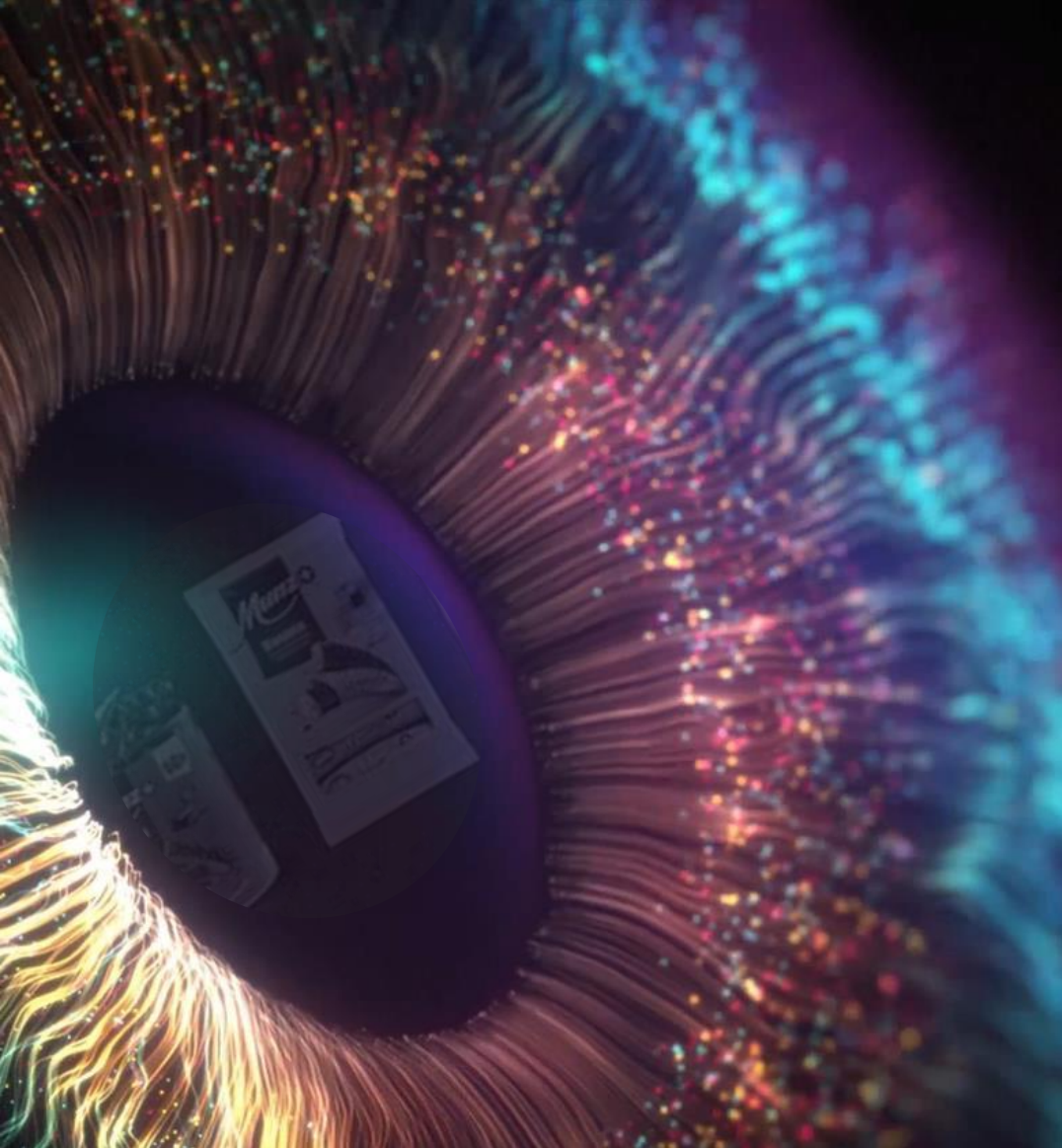
Our Client was about to embark on a **global restage of one of their most popular brands in the Adult Care category**. As a first step, the team was slated to conduct a 2-week design sprint with their agency, which would yield 30-35 new design ideas.

Complication:

Our Client's insight toolkit did not have a solve for testing a vast amount of design ideas in an agile fashion, making it impossible to bring an evidence-based lens to decision-making on which to move to a more robust final pack validation.

Question:

How did the team set themselves up for success prior to a design sprint to **ensure all ideas were evaluated against a validated model, designed specifically for a niche category?**



Fast | Accurate | Cost Effective

Pack.AI™: Image recognition for physical pack evaluation

Leveraging the power of advanced image recognition (AI) and Behaviorally's unrivaled database of over 18 million metrics, **Pack.AI™** predicts performance on key metrics with and is a cost effective and quick way to get clear direction on pack designs.

Pack.AI™ has use cases in several key areas:



Design Creation & Iteration



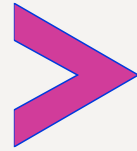
Competitive Intelligence



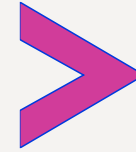
Benchmarking Current

Pack.AI™ In Action

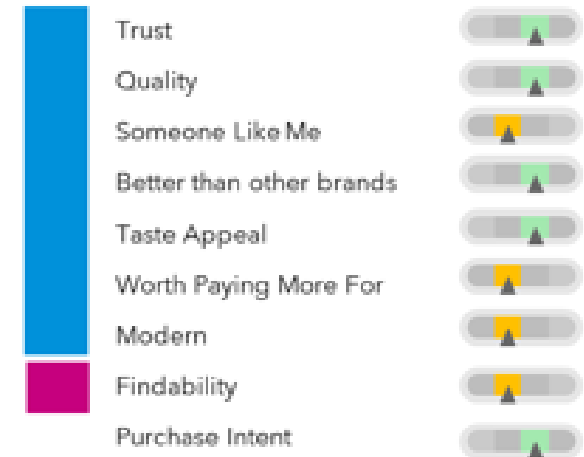
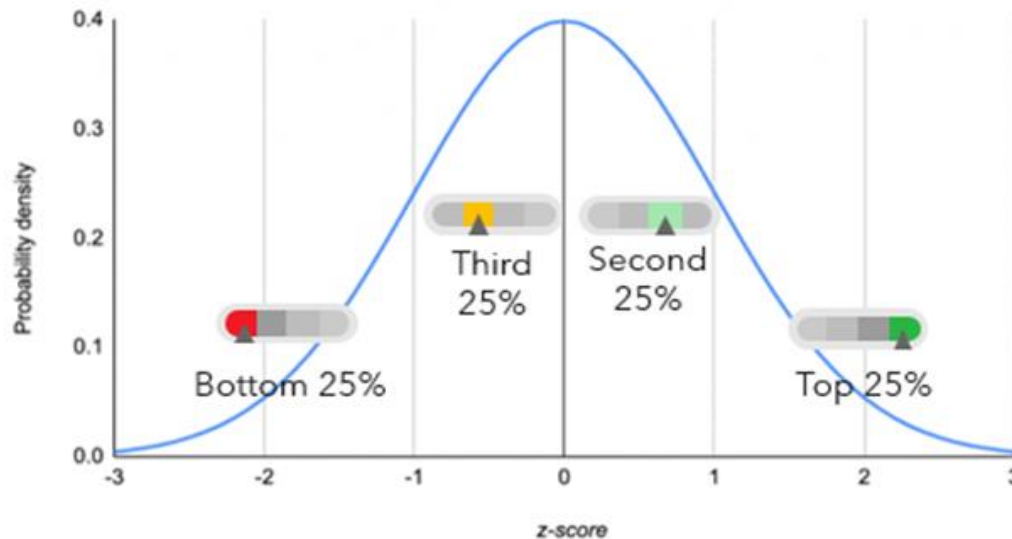
Computer Vision detects visual characteristics of pack design, including colors, shapes, sizes, fonts and graphics



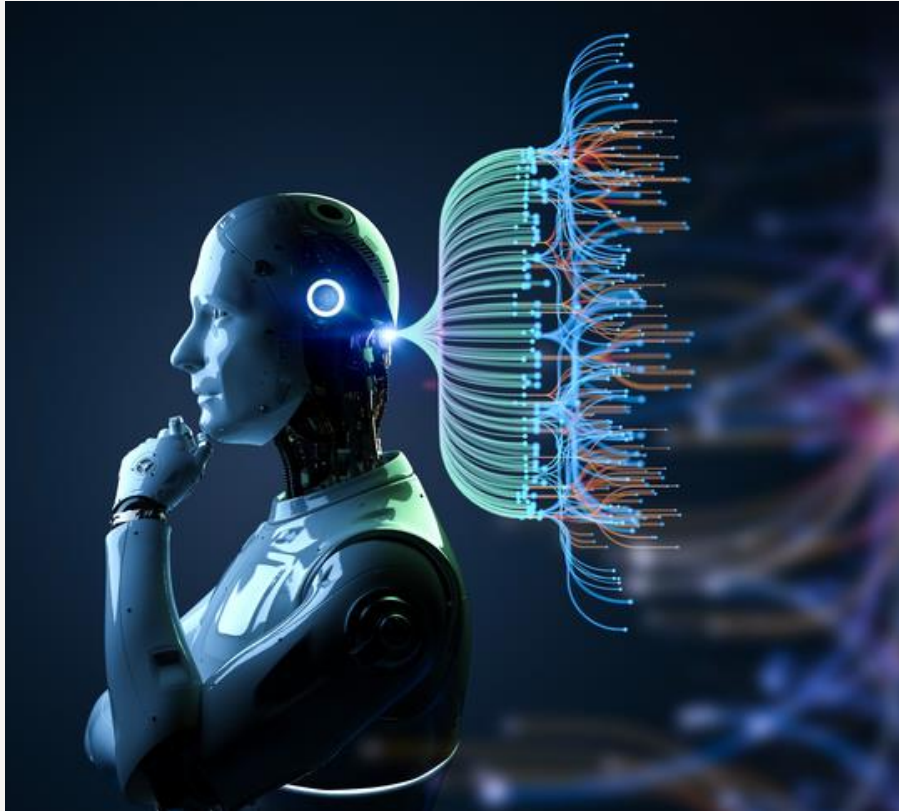
Pack's visual characteristics compared against patterns in database for each metric



Prediction made for each metric according to how pack's visual characteristics fit patterns in database



Behavioral Science + AI to Predict with Precision



1	Be Seen	Did the consumer see it? Drive breakthrough and get noticed at shelf	Key Metric: Shelf Visibility
2	Be Shoppable	Did the consumer find what they wanted? Minimize friction and promote easy product selection	Key Metric: Shelf Findability
3	Be Seductive	Did the pack communicate? Convey a clear, compelling benefit that inspires action	Key Metric: Visceral & Considered Reactions
4	Be Selected	Did the shopper put it in their cart? Measure behavioral impact on driving sale	Key Metric: Buying at Shelf

Pack.AI™ Total Category vs. Custom Modeling



Total Category Model

Computer Vision AI +
metrics from
total category level database
(e.g., beverages)



Custom Pack.AI Model

Computer Vision AI +
metrics from
a custom-built model
(e.g., bottled water)

Pack.AI™ Custom Model Execution

Collect Data from Shoppers



In-store environment,
representing
full context & individual SKUs

Model with Computer Vision AI



Combine shopper data
with visual data from
computer vision AI

Robustly Test the Model



World-class data science
to check accuracy, stability
and robustness

Predict the Impact of Designs

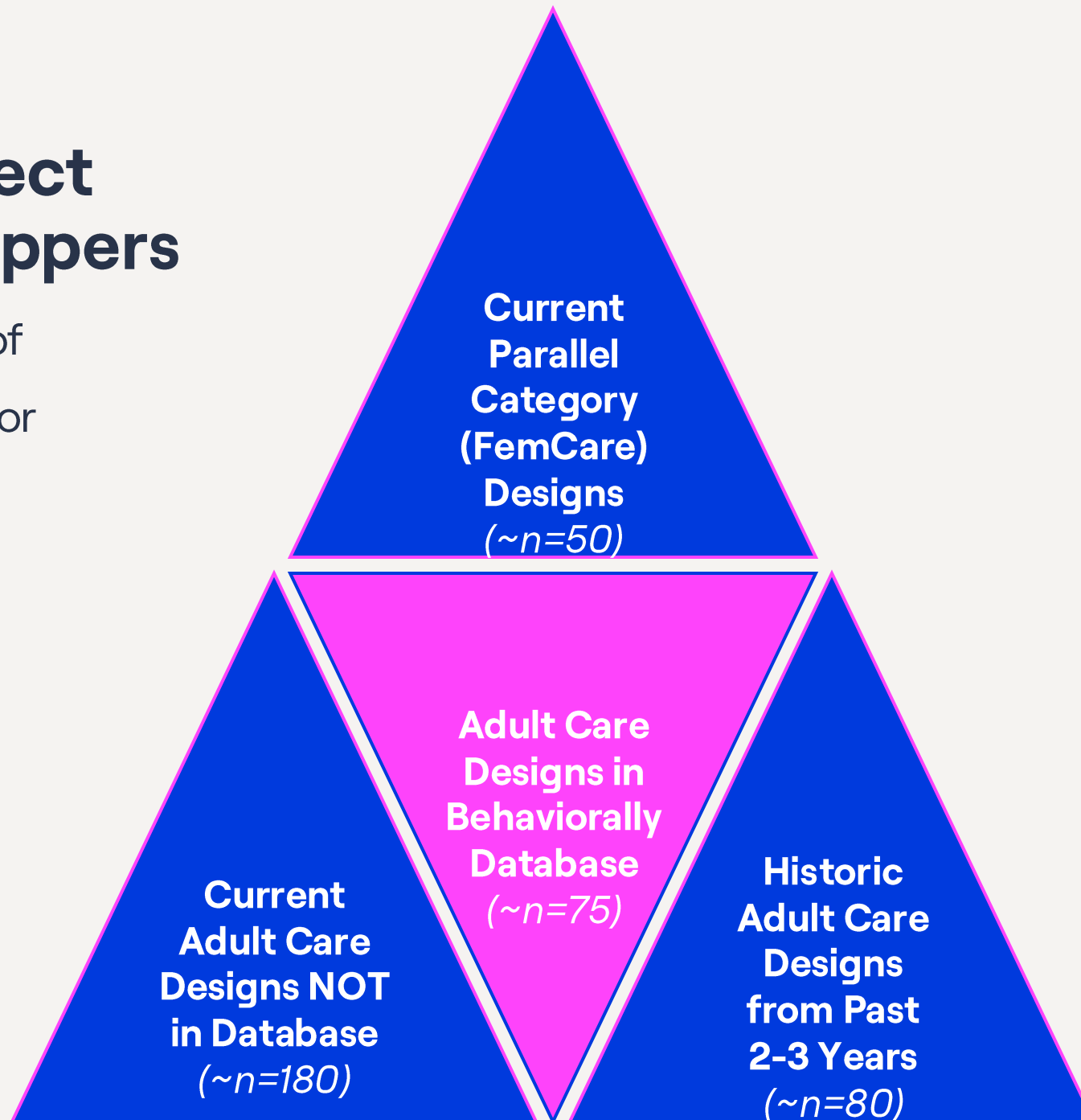


Run new designs through
an AI model that
accurately predicts
success



Pack.AI™ Collect Data from Shoppers

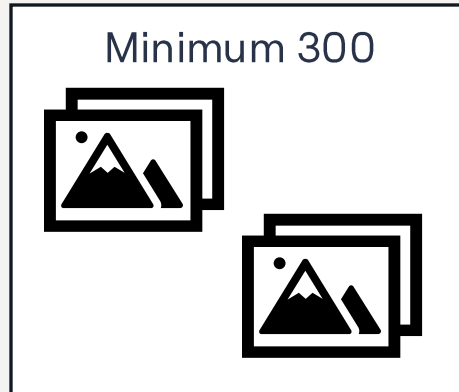
We built a collection of
close to 400 images for
our model, using 4
different sources





Pack.AI™ Collecting Data from Shoppers

Images



People



Every individual person shops and then evaluates 10 images.

Thus, after shopping:

100 people evaluate 10 total images.

1000 people evaluate 100 total images.

3000 people evaluate 300 total images.



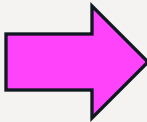
Behaviorally Data + Computer Vision AI

Each shopper's behavioral data, and each image's data, is inputted together into the model.

DATA 1 – KPI SET FOR IMAGE 1	Resp 1	...	Resp 100
SEEN	TRUE	TRUE	FALSE
BOUGHT	TRUE	FALSE	FALSE
FOUND (Pack.AI)	TRUE	FALSE	TRUE
Is Trustworthy	8.3	1.3	7.2
Is High Quality	6.4	4.2	7.3
Is For Someone Like Me	7.5	3.8	7.1
Is Better than Other Brands	8.1	2.3	7.9
Is Worth Paying More For	6.2	7.4	8.0
Custom Appeal/Comprehension 1	4.1	6.3	9.1
Custom Appeal/Comprehension 2	9.1	5.1	4.3
Custom Appeal/Comprehension 3	8.7	2.8	5.7
Custom Appeal/Comprehension 4	3.2	7.1	6.5
Custom Appeal/Comprehension 5	3.5	8.4	7.1



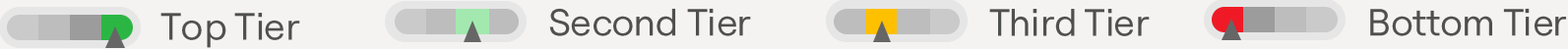
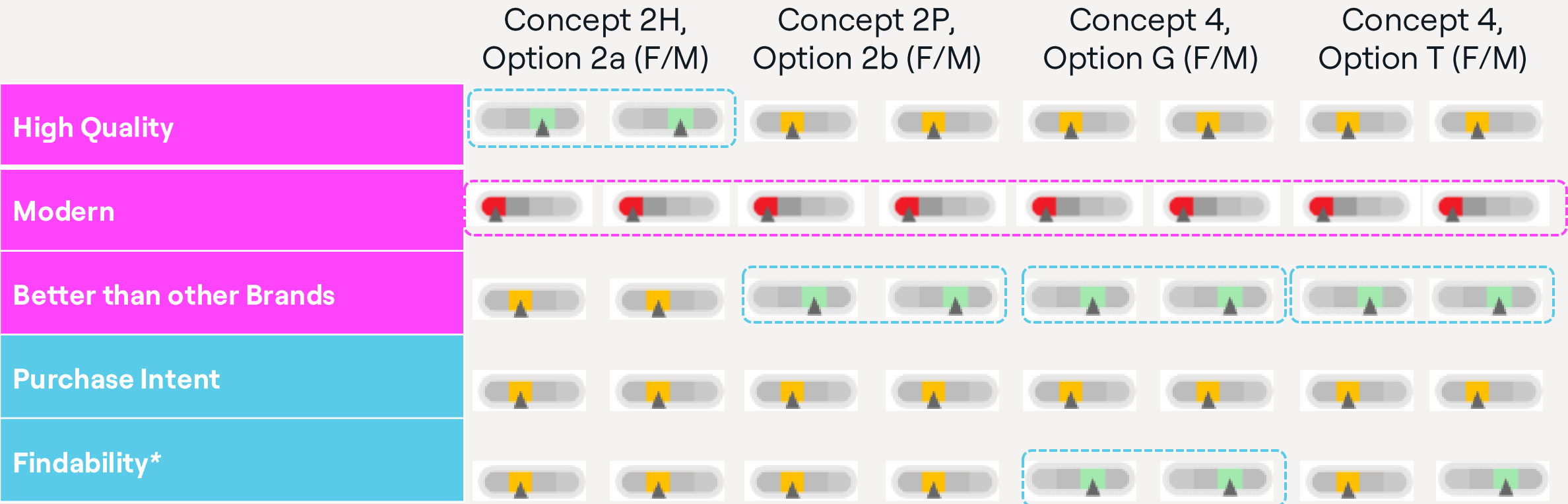
IMAGE 1
Computer
Vision AI





A Model Predicting KPIs That Drive Sales

Once built, the model makes a prediction for each KPI it was trained on.



Benefits

Barriers



**Calculated using Total Adult Care Pack.AI Model*
^Total Adult Care Pack.AI Model, including cases from both Females and Males yields a more predictive model than individual Gender Models



A Model Predicting KPIs That Drive Sales

Dataset can be used to further diagnose “What’s Working” & “What Could be Working Harder”

*Highest Performing Female and Male Designs on **“Modern”***



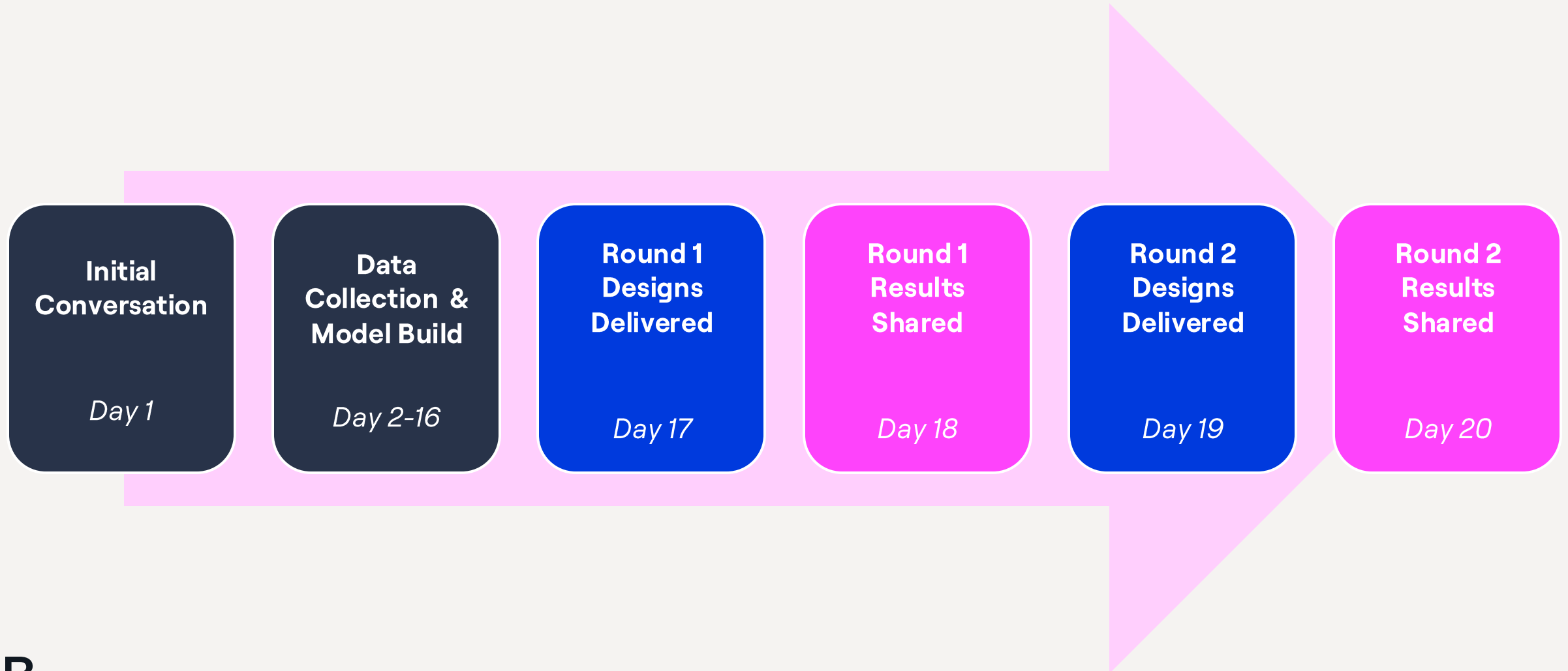
- Intricate / Artistic Flowered Detail
- Additional Decorative Elements (*i.e., bow*)
- Light Purple / Blue Color Palette



- Minimalist
- Industrial
- Blue / Green / Grey Color Palette

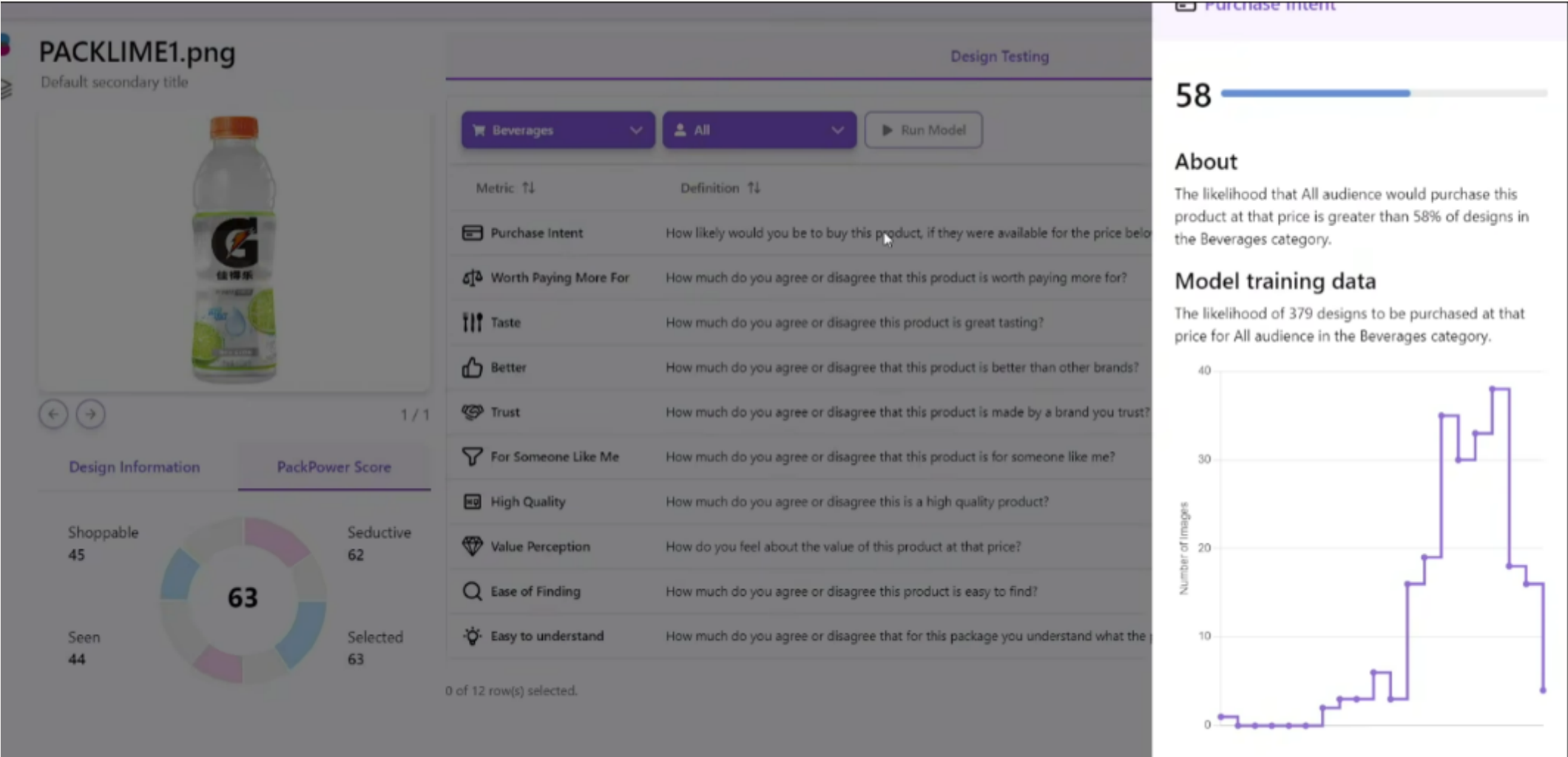
A Model Predicting KPIs That Drive Sales

From initial conversation to results on which of the 35 designs to move to final validation in >3 weeks



What's Next?

An interactive platform, pre-loaded with select models to predict performance at your fingertips



THANK YOU!



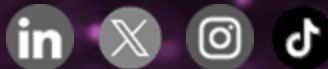
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#NowAI

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