Integrating qualitative and quantitative methods to build a dynamic **Sensation**Research narrative for product optimization

INTRODUCTION/BACKGROUND

CPG companies conduct preference mapping to monitor competitors, guide product improvement, and identify innovation opportunities. In addition, learning from this research provides recommendations for quality and cost optimization. While original research encompassed all product attributes – appearance, flavor, and texture – this paper highlights only texture.

Multi-phase Approach For Drivers of Liking Research Phase I Qualitative Focus Group Interviews



- Series of 4 focus groups conducted to identify potential product drivers and understand consumer terminology for product category
- Gained additional insight on usage, purchase behaviors, motivations, and attitudes for the category



Phase II Descriptive Analysis Mapping

- Highly trained sensory panel profiled 20 competitive samples resulting in a PCA map of product space.
- nsory characteristics that divide the product category



15 representative profiles from descriptive analysis selected for Consumer Test using guidance from qualitative insights. Created predictive liking models using sensory profiles and consumer responses to understand performance of all products and guide future product development and ptimization efforts

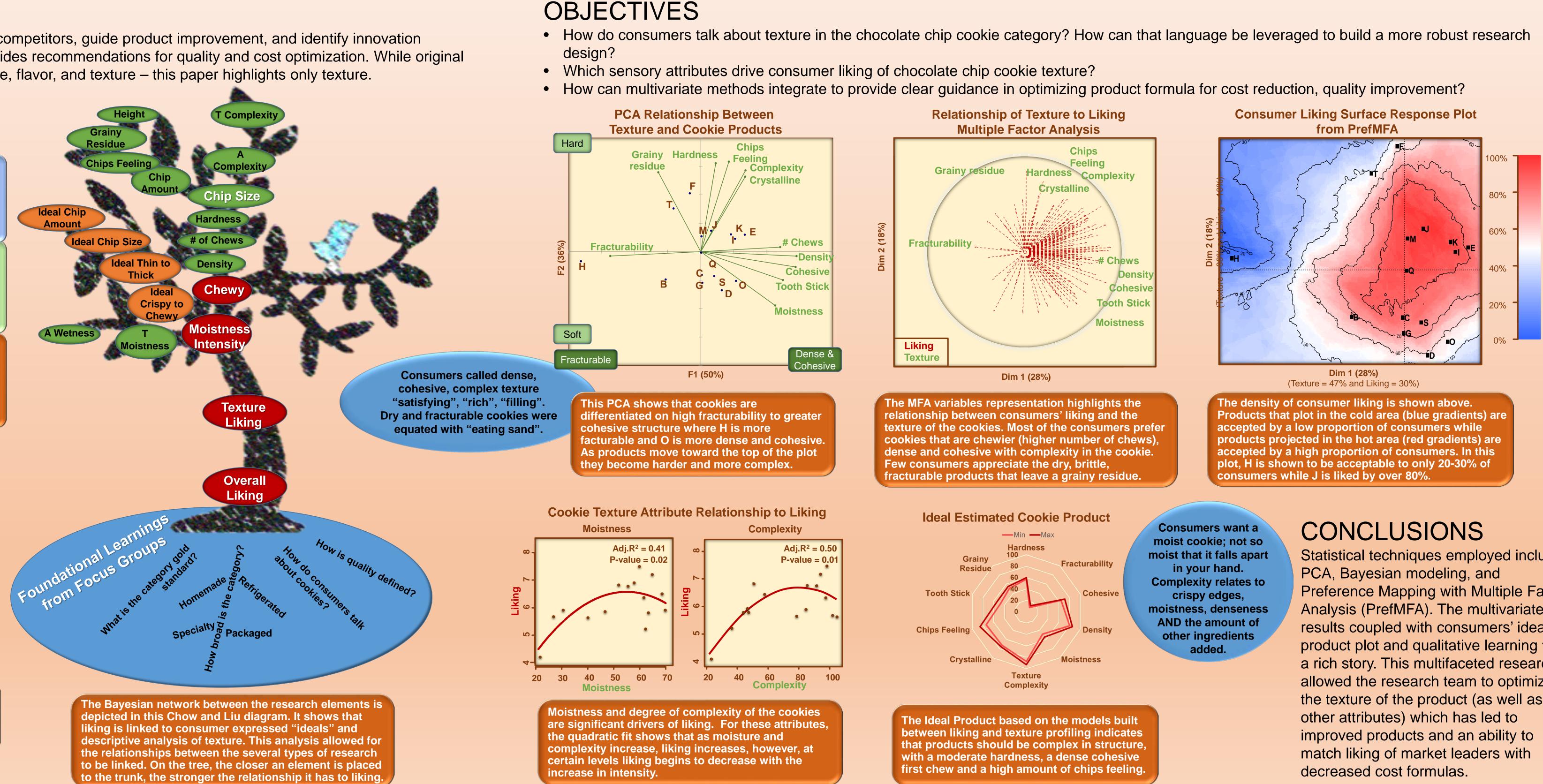




Dark Brown sd = 1.2 Shiny sd = 1.4 Chips sd = 1.5 Large Chips sd = 2.0 Dark Choc. sd = 1.8 Intense sd = 1.8 No Nuts sd = 1.2 **Big** sd = 2.1Thick sd = 1.9 **Chewy** sd = 1.9 **Soft** sd = 1.5

In the CLT study, consumers were asked to indicate their "ideal" cookie by selecting the appropriate categories between the dichotomous anchors.

Ideal Chip Amount



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Statistical techniques employed include Preference Mapping with Multiple Factor Analysis (PrefMFA). The multivariate results coupled with consumers' ideal product plot and qualitative learning tell a rich story. This multifaceted research allowed the research team to optimize the texture of the product (as well as