

Introduction

Consumer product testing involves asking respondents a wide range of questions, which help product researchers to understand consumers reactions and opinions, in order to develop the ideal offering.

Although these questions are fundamental, they have the potential to overwhelm and reduce survey engagement, therefore alternative approaches to questionnaire development are key.

Gamification introduces game-like elements into research[1], and has been found to increase engagement during usage and attitude studies by as much as 50%, by reducing straight-lining [2].

Objectives

This study investigates the role of gamification in the sensory evaluation of products. Product testing is generally considered engaging, as consumers enjoy assessing products, however this study explored whether gamification techniques could provide any additional learnings or opportunities to improve data quality and insight generated during product research.

Method

150 consumers completed a product test, assessing two different cereal bars in a central location. During the assessment, respondents either completed a typical product testing survey or a gamified version, during which they were required to rate key sensory characteristics and opinions of both products. To ensure comparability between surveys, respondent cells were balanced for key demographics; age, gender and SEG.

Each consumer assessed the unbranded products in a fully rotated order, and completed a computerized ballot of key product measures which included liking ratings, exactly right and open ended questions, agreement statements and check all that apply (CATA) lists. The gamified and typical surveys asked the same questions, however the gamified version involved more interactive alternatives to standard questioning, as shown in Table 1.

The Sample

n=150 (n=75 per cell) Users of cereal bars, no allergies, not having participated in market research in the past 6 months, non-rejectors of brand tested

Quotas balanced per cell: 50% Male / 50% Female 56% ABC1 / 44% C2DE 35% 18-32 / 33% 33-46 / 32% 47-60

Gamification - What sensory research can learn from engaging consumers

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Table 1 - How do typical and gamified ballots compare?

Typical Ballot - Agreement Statement Grid

Thinking about this product, please ind

This product.

Typical Ballot - Rating Scales

Just About Right Scales

- How would you describe the **colour** of this cereal bar?
- A little too dark
- Exactly right

Check All That Apply (CATA) Lists

Product 1 of 2. Product code is: B23 Which of these words would you use to describe the cereal bar you have just tried? Nutty

- 🗌 Dry Soft
- Sweet Chalky
- Chewy
- Chocolatey Strange
- Crunchy Powdery
- Sickly
- Crispy Sticky
- Gritty

Findings

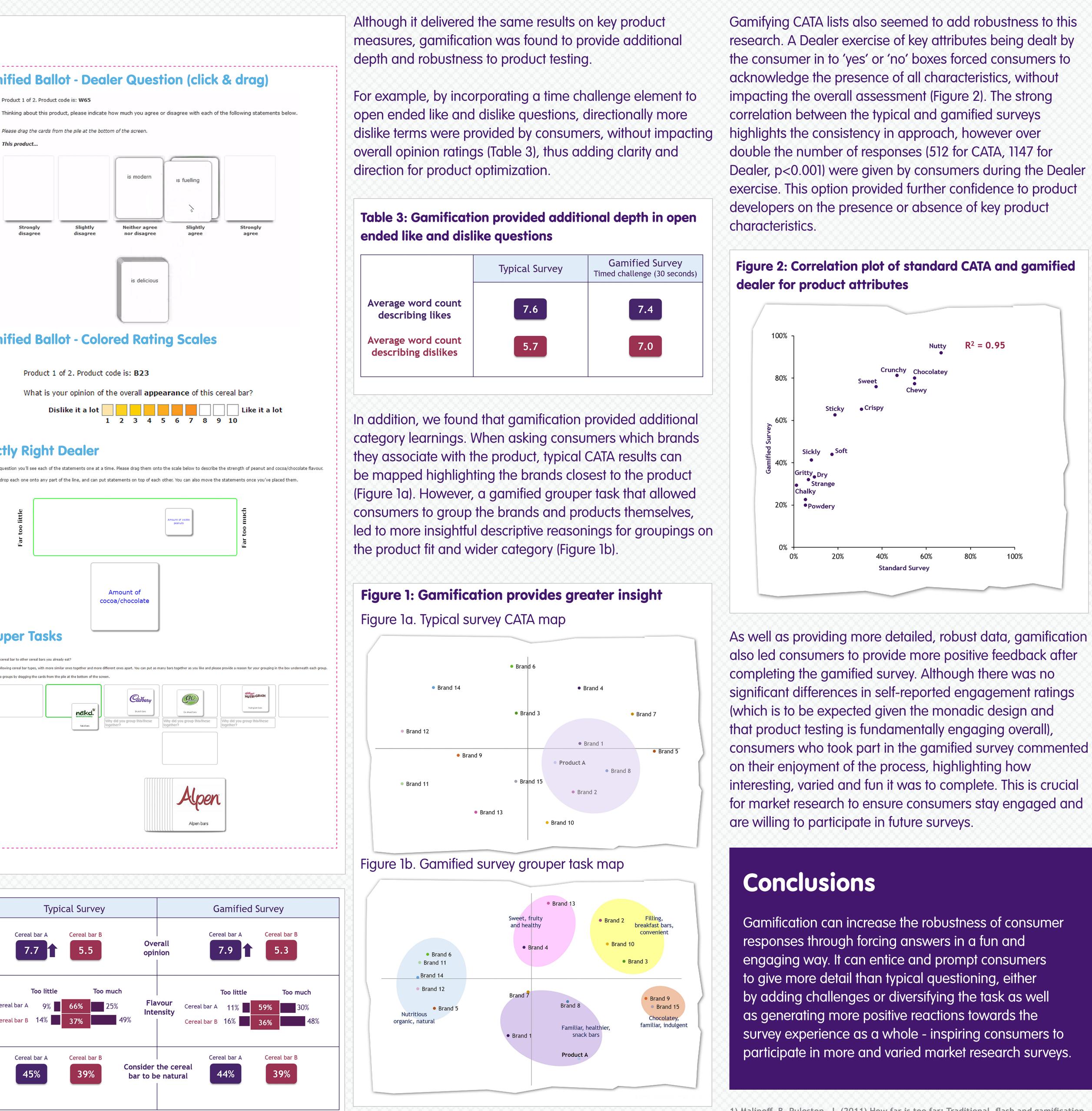
naturalness

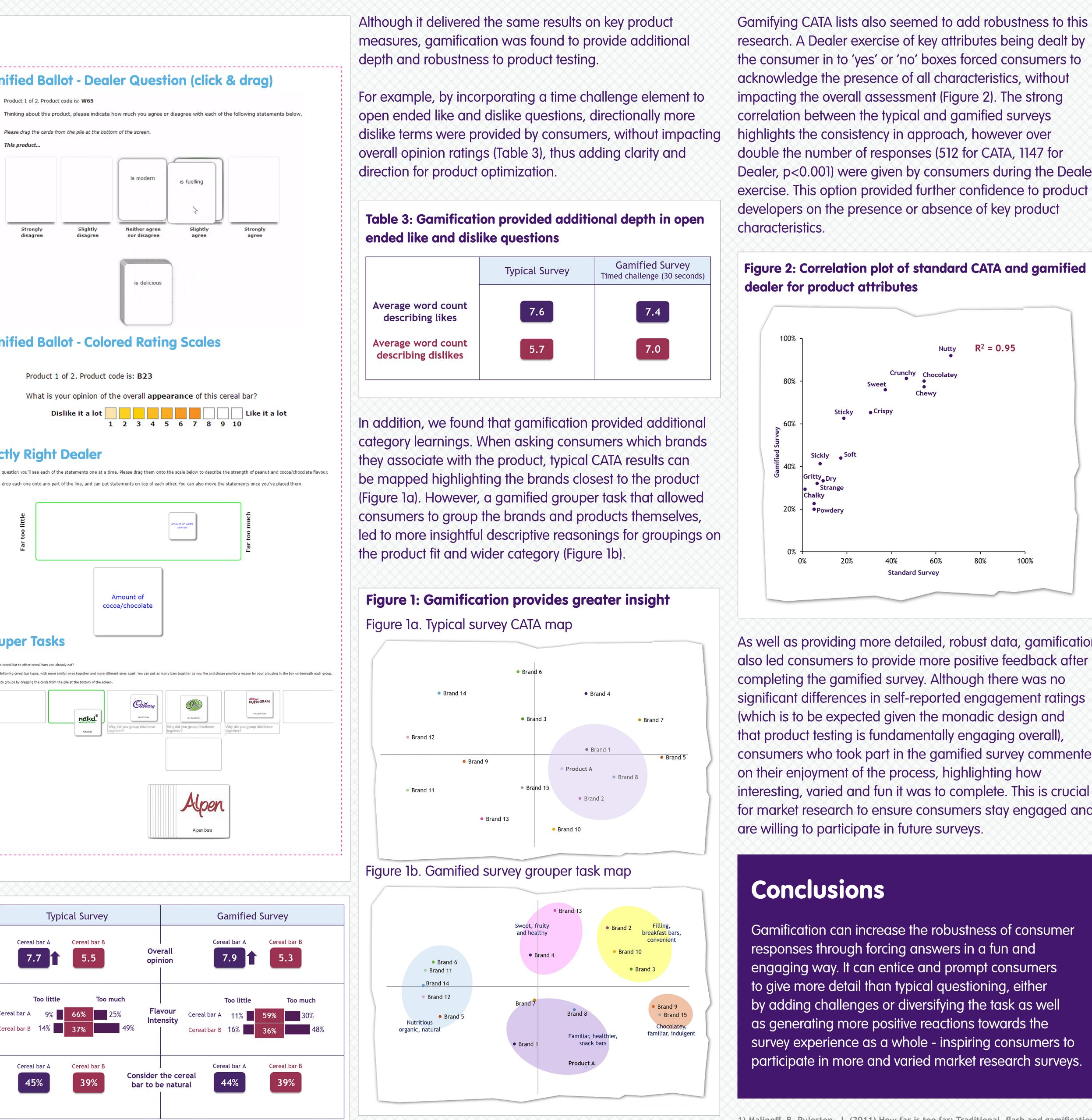
	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree	
is modern	0	0	۲	0	0	
is distinctive	0	0	۲	0	0	
is tasty	0	0	0	۲	0	
is wholesome	0	0	0	۲	0	
is fuelling	0	0	0	۲	0	
is satisfying	0	0	0	۲	0	
is filling	0	0	0	۲	0	
is nourishing	0	0	0	۲	0	
is healthy	0	0	?	0	0	
me feel upbeat and healthy	0	0	Ő	0	0	
is natural	0	0	0	0	0	
is delicious	0	0	0	0	0	
is feminine	0	0	0	0	0	

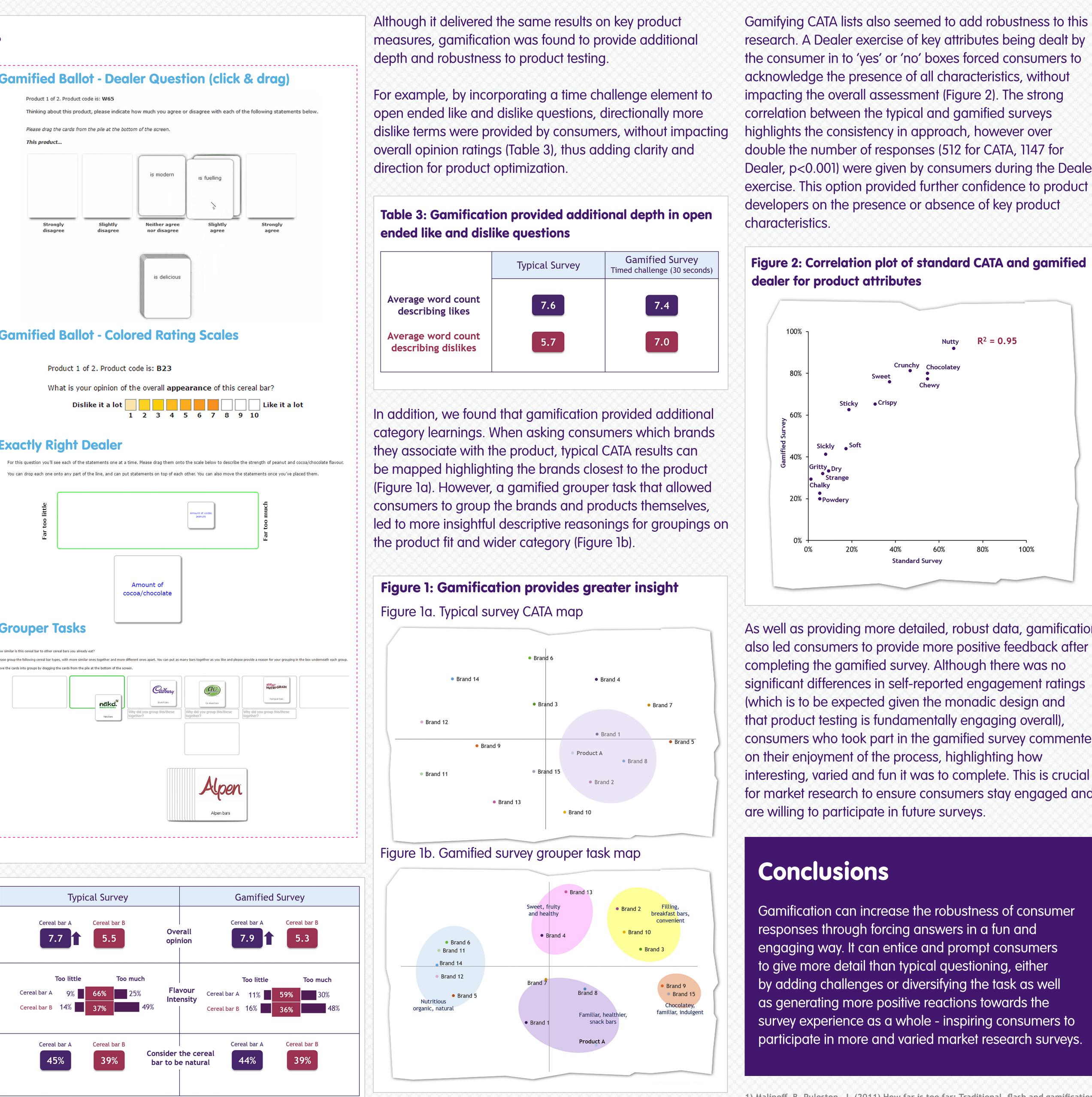
What is your opinion of the overall appearance of this cereal bar?

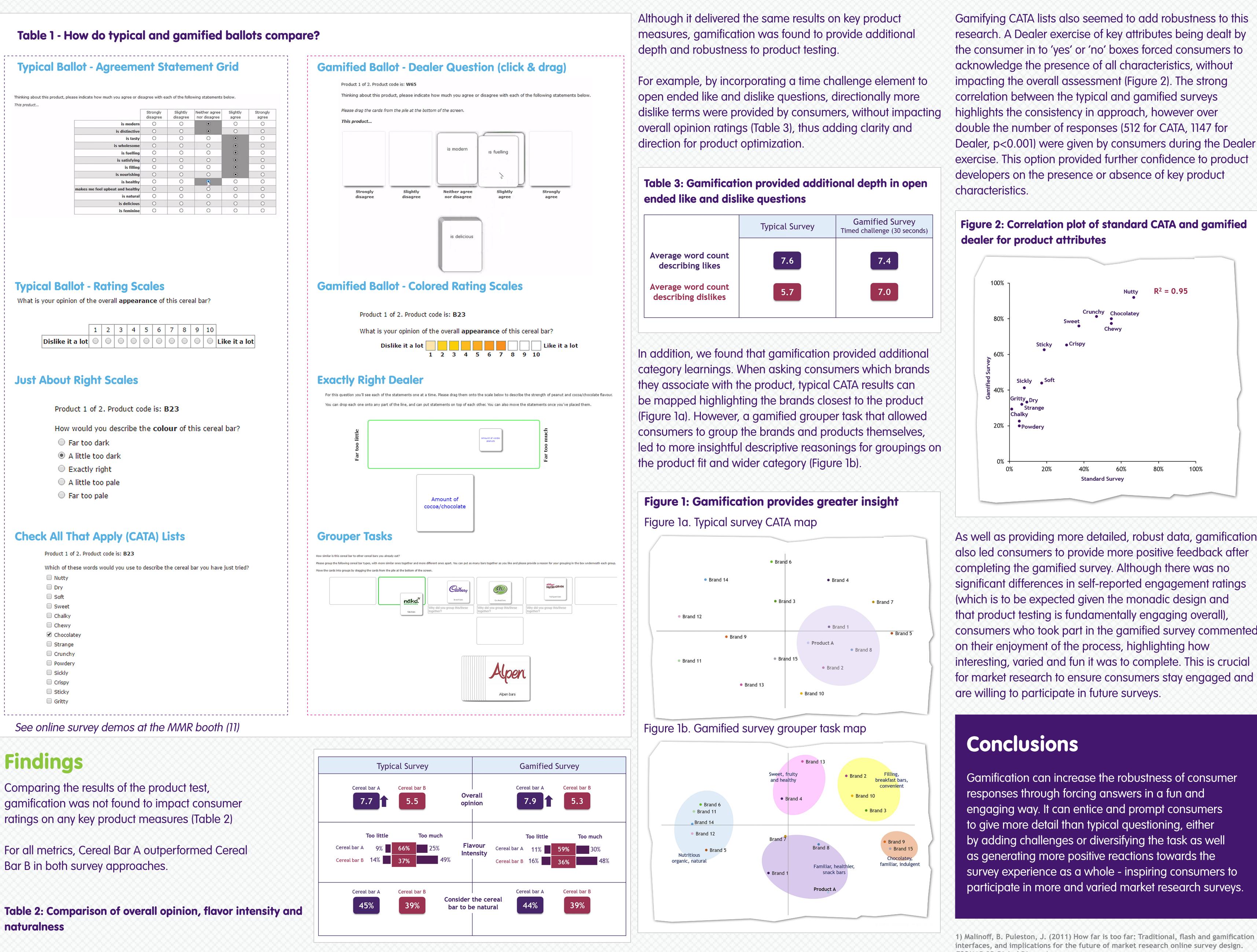
	1	2	3	4	5	6	7	8	9	10	
Dislike it a lot	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	0	\bigcirc	\bigcirc	0	Like it a lot

Product 1 of 2. Product code is: W65









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ESOMAR 3D Digital Dimensions 2) Ewing, T. (2012) Where gamification came from and why it could be here to stay. Quirks Marketing Research Review, pp.30