Simulations of consumption situations make food attractive

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Introduction

We apply a grounded cognition approach to food and eating behavior (Papies & Barsalou, 2015) and suggest that people think about food in terms of actually eating it, in other words, they simulate (i.e., re-experience) a consumption situation.

Do simulations of the consumption situation contribute to food attractiveness?

Hypotheses

- Unhealthy foods are more likely to trigger simulations of consumption situations than healthy foods.
- Focusing on what makes you want to eat a food is more likely to trigger simulations of consumption situations than thinking about typical features of the food, especially for unhealthy foods.

Methods

Participants

116 participants with a mean age of 42 years (SD= 13.63).

Design

2 (unhealthy vs. healthy food) x 2 (typical vs. attractive condition) mixed factorial design with consumption situation features as dependent variable.

Feature Listing Task

Participants were presented with food items, one at a time, and asked to write down features of the food product. This is assumed to reflect situated simulations (Santos, Chaigneau, Simmons, & Barsalou, 2011).

- Typical condition: “Imagine the product. Which features are typically true of this product?”
- Motivation condition: “Imagine the product in a situation in which you would like to eat it. Which features of the product make you want to eat this product?”

Items

- 7 unhealthy, tempting food pictures
- 7 healthy, less tempting food pictures
- 1 neutral food picture

Coding

Systematic coding of features based on a coding scheme (Keesman, Papies, Lindner, & Barsalou, in prep.) using

- 3 main categories (“consumption situation”, “non-consumption situation”, and “situation independent”) and
- 40 subcategories (such as “positive bodily consequence”, “food preparation”, and “visual”).

Results

Main findings

- Food products trigger simulations of consumption situations, especially unhealthy foods.
- Focusing on what makes you want to eat foods increases the number of consumption situation simulations.
- More specifically, focusing on what makes you want to eat a product triggers simulations of the internal positive consequences of eating and of the external setting experienced when eating.

Implications

- The results suggest that simulations of consumption situations (e.g., social setting and positive bodily consequences) make food products attractive.
- The theoretical framework provided here can be used to systematically manipulate the evaluation of food products and to guide developing relevant interventions for healthy eating.

References

