

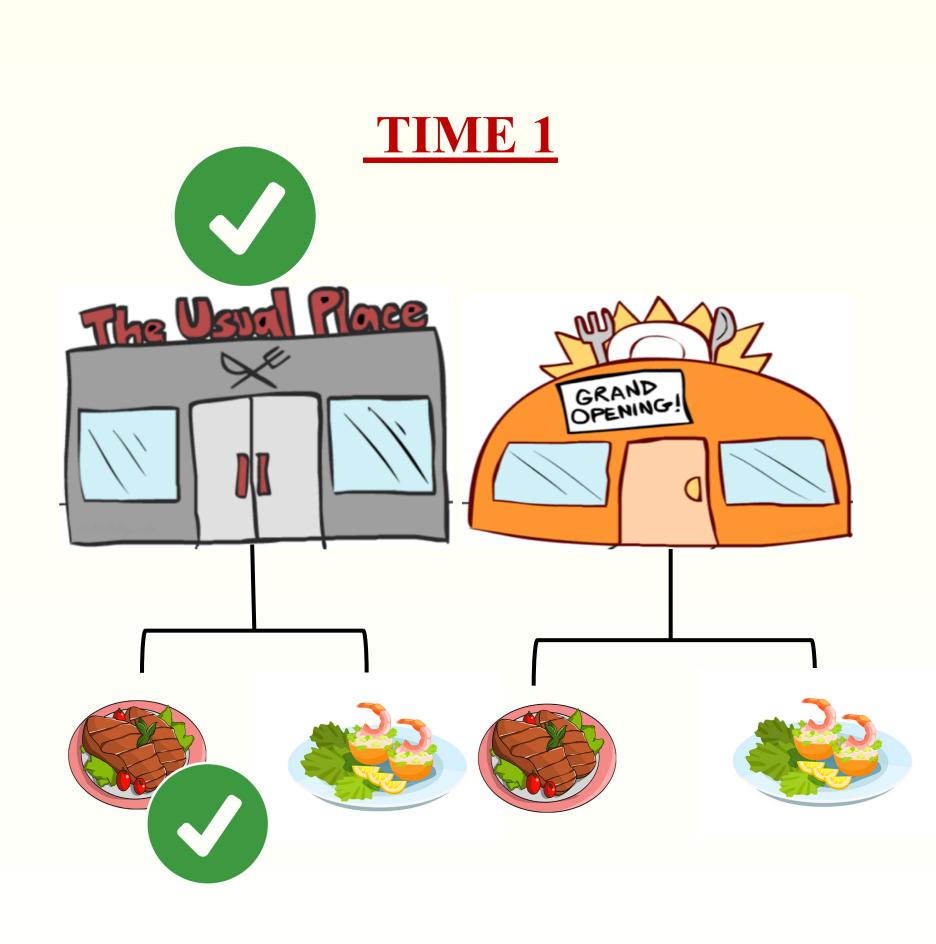
Asymmetric Variety Seeking in Hierarchical Choices

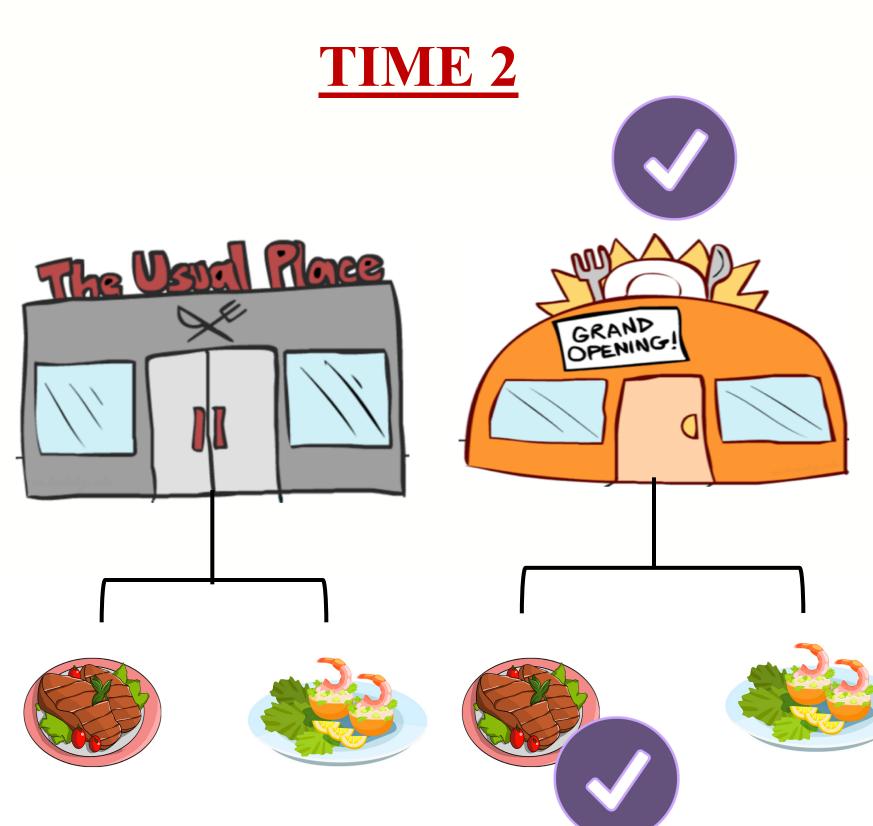


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Introduction

- People frequently seek variety when choosing hedonic experiences for themselves (Ratner, Kahn & Kahneman, 1999; Simonson, 1990).
- However, it is possible that when these choices require navigating through multiple hierarchical levels of a search, the desire for variety may be satisfied asymmetrically.
- Hypothesis: Whether choosing between restaurants to eat in, spas to get services from, or hotel room to book, consumers satisfy their desire for variety at higher levels of a decision hierarchy, leading them to be more choice-concentrated at lower levels of the hierarchy.





Hierarchy vs Categorization

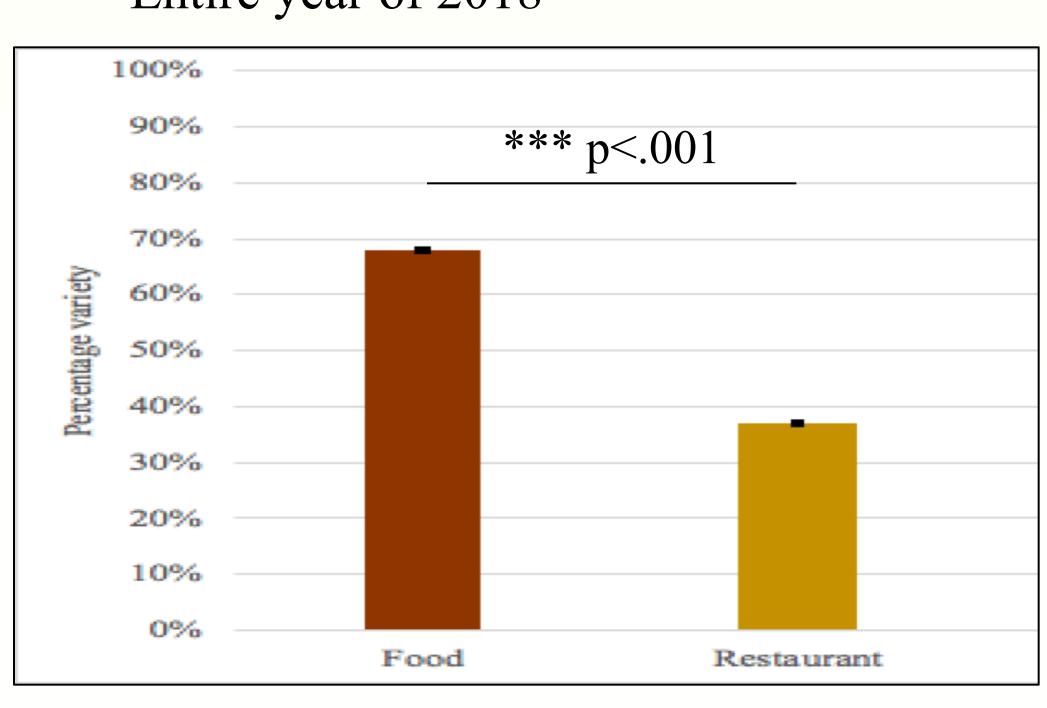
	Hierarchy	Categorization
Level 1	A choice (eg., Choice of restaurant to eat at)	Product described in general terms (e.g. Italian food)
Level 2	Another choice (eg., Choice of food at the restaurant chosen)	Same product described in specific terms (e.g. pizza)

Therefore, a **Hierarchy** is **multiple choice platforms** in a ladder-like decision journey; **Categorization** is **framing the same product**in different terms.

Secondary Data Analysis

Collaboration with a large **food delivery app Data**: consumers' dishes, orders & cuisine types.

- -8,000 consumers
- Top 20 cities in USEntire year of 2018



Result: Opposite of prediction – Ps preferred more variety at *lower levels*.

BUT: We were unable to control for BASE RATES

Experimental Data Analysis

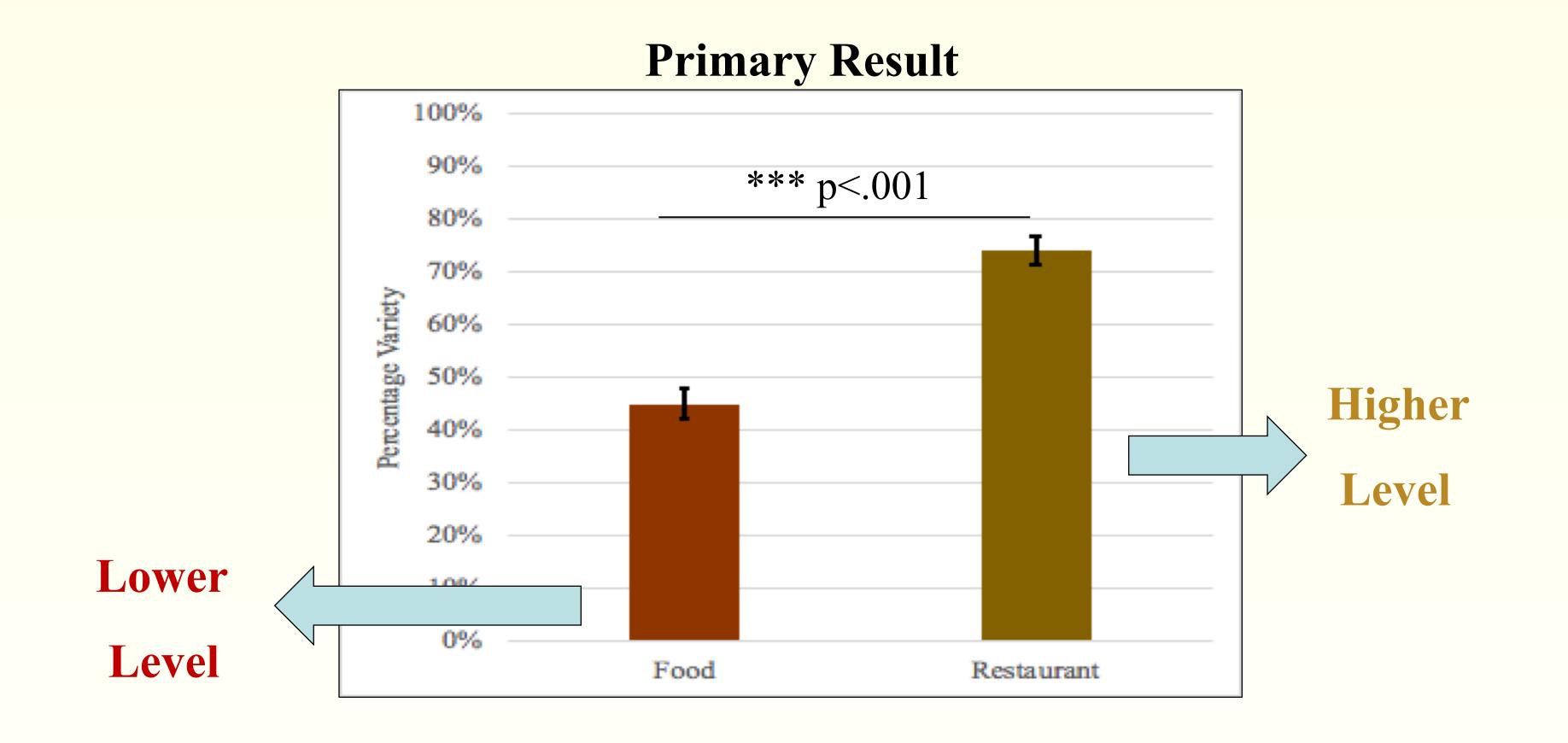
Sample Design

Participants made 5 (hypothetical) restaurant & 5 (hypothetical) dish choices over

5 (hypothetical) weeks

5 restaurant options, 5 dish options (to control for base rates)

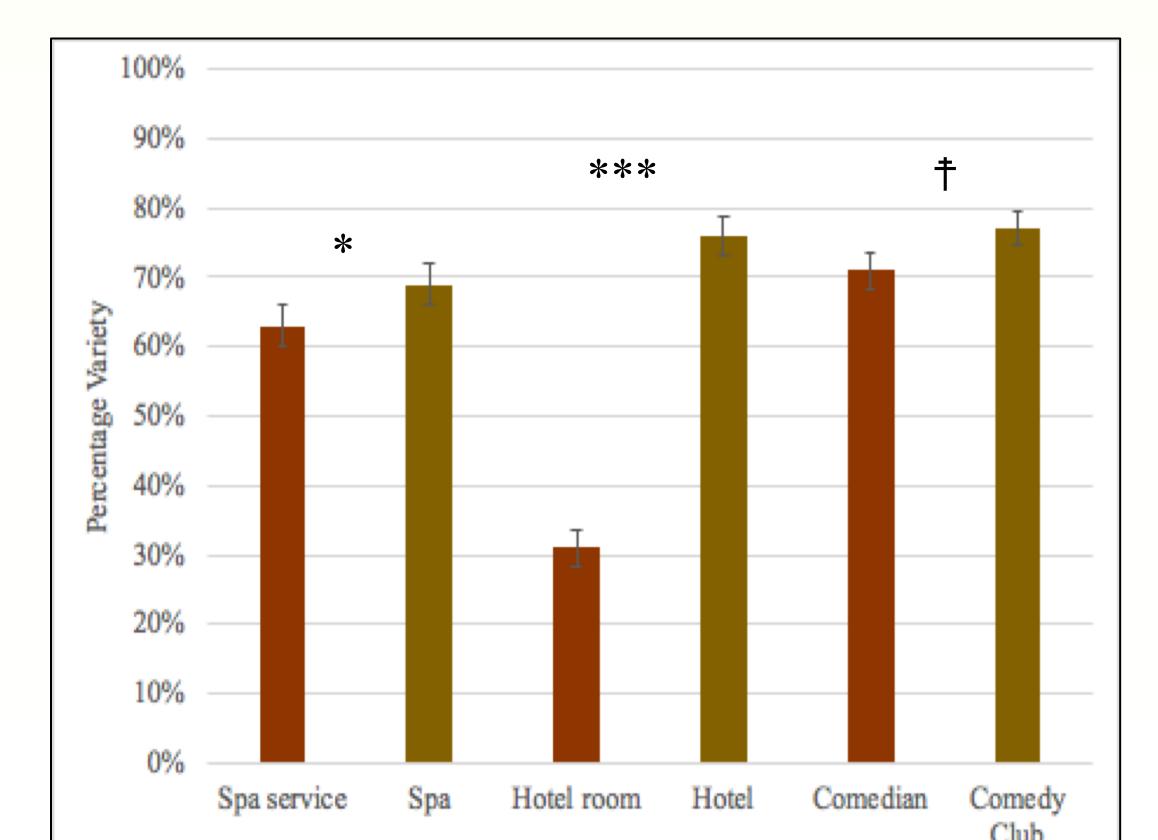




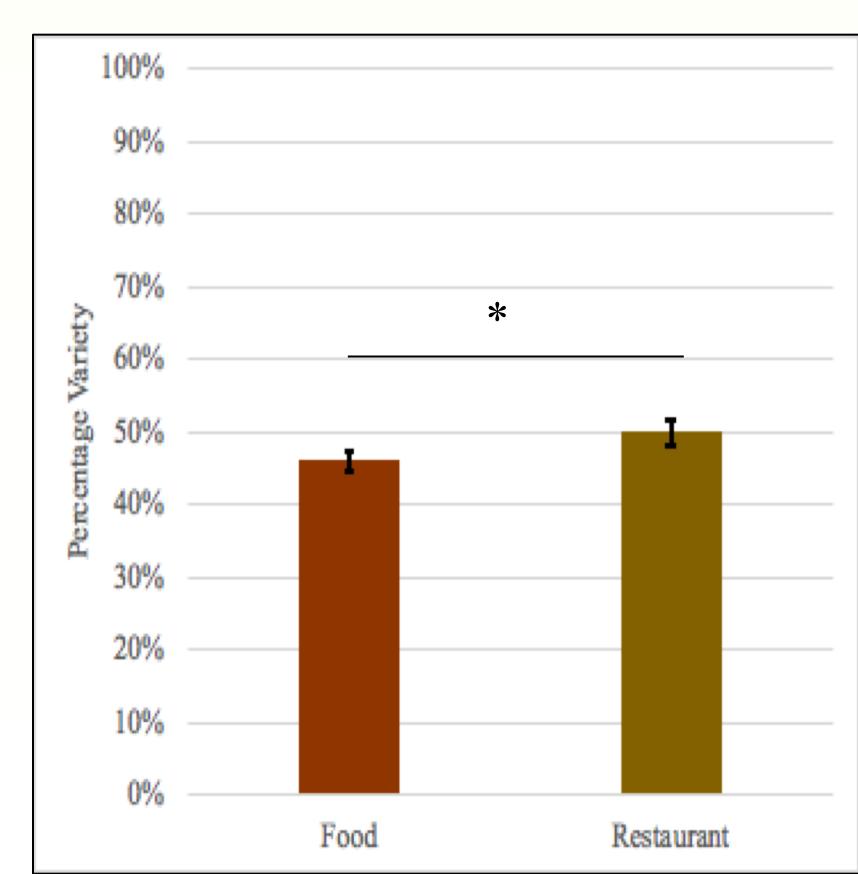
Result: Consumers preferred *more variety* at *higher levels*, and *less variety* at *lower levels*, after we are able to control for base rates.

This result holds:

Across Domains



When order of choice is reversed



*** p<.001, ** p<.01, * p<.05, † p<.1

Conclusion

- When making multiple decisions on a hierarchy, people prefer *more variety* at *higher levels* of the decision and *less variety* at *lower levels*.
- This holds across multiple domains, and also when the order of decision is reversed.
- We also rule out confounds with familiarity.

Future Studies

- Non-hypothetical choices and real passage of time.
- Explore the mechanism behind why people exhibit such asymmetric variety-seeking:
 - -Prototypicality?
 - -Tangibility?
 - -Goal matching?
- Do people expect such choice options to be asymmetrically distributed as well?
- What can marketers of such hierarchical decision domains learn from this pattern?

Selected References

- Ratner, R. K., Kahn, B. E., & Kahneman, D. (1999). Choosing less-preferred experiences for the sake of variety. *Journal of consumer* research, 26(1), 1-15.
- Simonson, I. (1990). The effect of purchase quantity and timing on variety-seeking behavior. *Journal of Marketing research*, *27*(2), 150-162.
- Menon, S., & Kahn, B. E. (1995). The impact of context on variety seeking in product choices. *Journal of Consumer Research*, 22(3), 285-295.