Hierarchy vs Categorization

| Hierarchy | Categorivation |  |
| :---: | :---: | :---: |
| Level 1 | A choice (eg., <br> Choice of <br> restaurant to eat <br> at) | Product described <br> in general terms <br> (e.g. Italian food) |
| Level 2 | Another choice <br> (eg., Choice of <br> food at the <br> restaurant chosen) | Same product <br> described in <br> specific terms <br> (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.
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, he 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.


Experimental Data Analysis

## Conclusion

## 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)

$\bigcirc$ Cantonese Delight $\quad \bigcirc$ Shrimp Dumplings (56.99)
O Cheng's $\quad \bigcirc$ Fried tofu curry ( 57.99 )
O Chopsticks $\quad$ O Ground pork cups (S8.99)


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


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

BUT: We were unable to control for BASE RATES

## Secondary Data Analysis

Collaboration with a large food delivery app
Data: consumers' dishes, orders \& cuisine types.
$-8,000$ consumers
-Top 20 cities in US
-Entire year of 2018

When order of choice is reversed

${ }^{* * *} \mathrm{p}<.001,{ }^{* *} \mathrm{p}<.01,{ }^{*} \mathrm{p}<.05,{ }^{*} \mathrm{p}<.1$

- 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 lesspreferred 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.

