# NORMALIZING MEAT-FREE MEALS: The Effectiveness of Defaulting the Black Bean Burger on Menus for Online Food-Ordering 

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## INTRODUCTION

- The meat industry contributes $15 \%$ of total global - There is greater preference for meat than meat greenhouse gas emissions ${ }^{1}$ and scientists agree that changing food consumption needs to be a part of climate strategy ${ }^{2}$
- Despite restaurants offering meat-free options, menus often present meat as the primary choice and meat-free as the secondary choice


## RESEARCH QUESTIONS

## How do meat-free defaults on menus affect consumption behaviour in Canada?

1. Will people order more meat-free food if given an online menu with meat-free defaults?
2. Is the effectiveness of meat-free defaults based on demographics and/or diet preferences?

## METHODOLOGY: Survey-Based Choice Experiment

## 700 participants were randomly given a menu to place a mock order online

Menu with Meat Default Your Order:
CLASSICBEEFBURGER COMBO

$\underset{\substack{\text { Burger, Side, \& } \\ \text { s14.99 }}}{\text { \& Drink }}$

 - Make it Elack Bean uuger Combo
$\qquad$

Menu with Meat-Free Default Your Order: CLASSIC BLACK BEAN BURGER COMBO


Burger, Side, \& Drink

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Manipulation Check Question
True or False: The menu let you choose between a beef and black


500 participants analyzed

## 200 participants excluded for

failing the Manipulation Check

RESULTS \& DISCUSSION


Individual traits moderated (affected the strength) of the default menu's effect on order choice (Fig. 2)

Eating habits were the most influential of all the traits

| CHARACTERISTICS WHICH LED TO A GREATER MEAT-FREE DEFAULT EFFECT |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (a) Identifying as female |  | (b) Not identifying as Caucasian |  | (c \& d) Reporting lower meat consumption | (e) Having some objections to beef |  |  | (f) Having no objections to black bean |
| Figure 3. Proportion of Black Bean Burge Orders by Default Condition \& Gender |  |  | Females were more influenced by the meat-free default to order the bean burger than non-females due to gender differences in meat consumption frequency (Fig. 3) <br> Females tended to consume less meat and have less reluctance to reducing their personal meat consumption than non-females (Fig. 4) |  |  | Figur Consum <br> Non- <br> Female <br> Female | e 4 <br> pti | Distribution of Meat on Frequency by Gender |

## KEY TAKEAWAYS

1 Nudges do work to influence meat-free choices in the Canadian online food-ordering context!

2 Meat-free defaults on menus are..
a) Most effective for meat-reducers (people trying to reduce their meat consumption) - a segment comprising more of females than nonfemales
b) Least effective for those with strong beliefs and habits regarding meat consumption

3 menu nudges should be part of a multi-intervention strategy to solve the meat consumption problem

## REFERENCES












