



# The “Mere Reminder” Effect of Visually Salient Calorie Labeling

Ling Dai

## Background

While a lot of policy interventions around calorie consumption have been focused on calorie labeling, calorie labeling was found to have inconsistent effects in past research.

**Hypothesis 1: non-informational calorie labels can be as effective as informational calorie labels, through merely reminding people of their health and diet.**

**Hypothesis 2: The effectiveness of non-informational calorie labels should be less context-dependent compared to calorie labels that provide benchmarking information to facilitate people’s decisions.**

## Methods

The original data were collected through a 9-week field experiment at four cafeterias on the campus of the University of Chicago. Four signs were exhibited at a rotational basis.

Raw data were collected in the form of electronic receipts. My work included extensive data preprocessing and subsequent data analysis, including text scraping and parsing using a data structure commonly found in NLP, lookup and imputation of calorie information, and regression analysis.

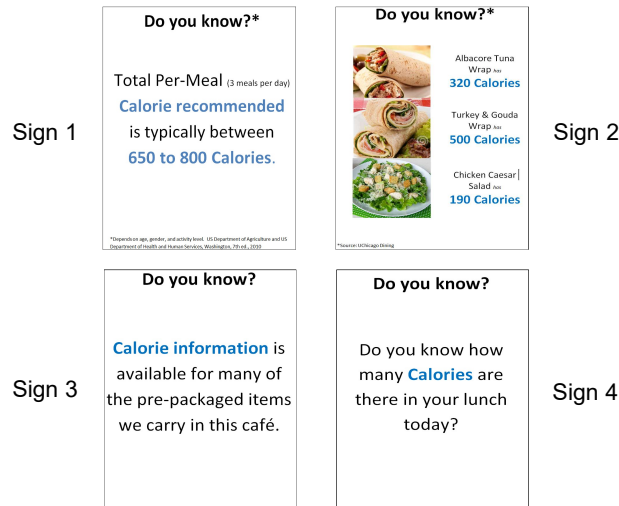
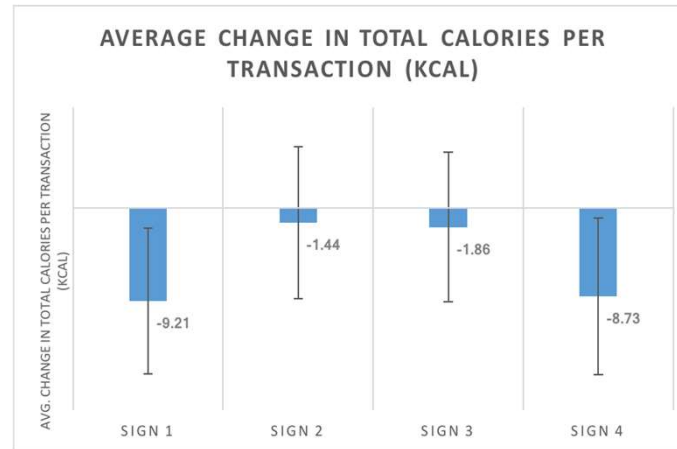
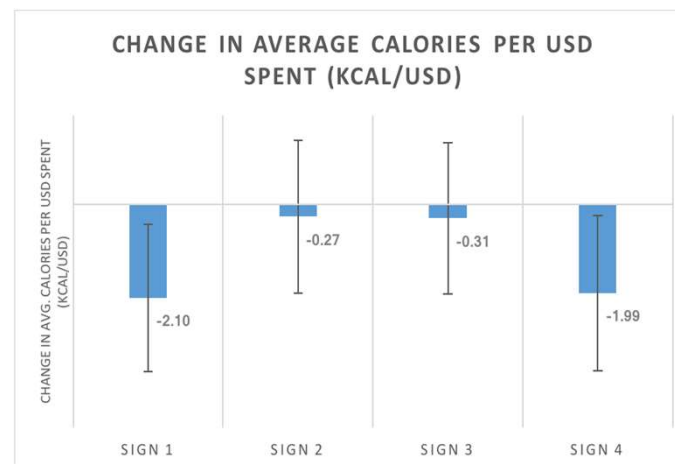


Figure 1



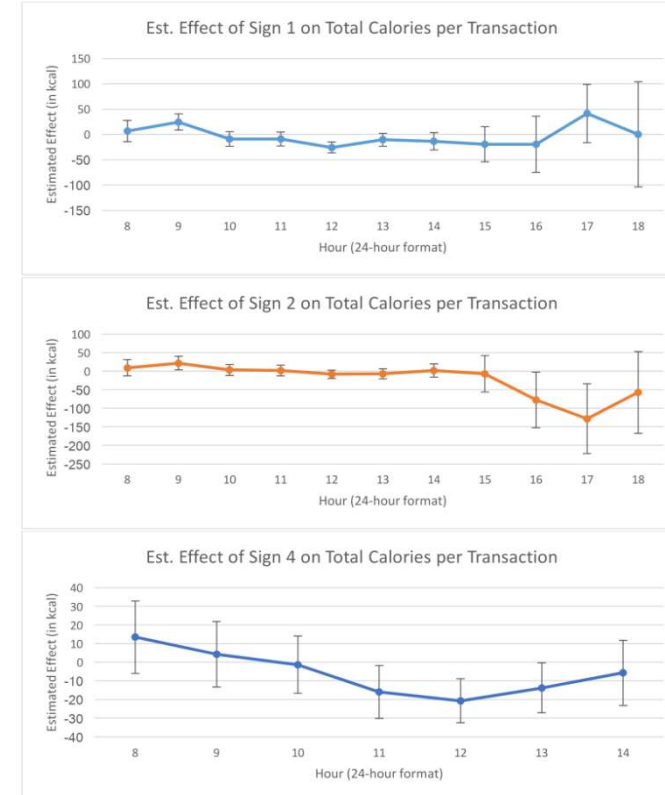
The “mere reminder” effect can lead to significant reduction in calorie consumption.

Figure 2



Both informational and non-informational labels change people’s choice structure.

Figure 3



The “mere reminder” effect is context dependent.

## Conclusion

- The “mere reminder” effect can lead to significant reduction in calorie consumption, and the effectiveness depends on the content of the poster.
- Both informational and non-informational labels reduce calorie consumption through altering people’s choice structure.
- The effectiveness of non-informational calorie labels is still highly context dependent.