TITLE*

SUBTITLE

Adrian Wong, Yingying Zhou, Xinyi Xu, Yang Wu

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Abstract

ABSTRACT

Contents

*Code and data are available at: https://github.com/yangg1224/groupproject-.git

1 Introduction

2 Data

2.1 Intervention

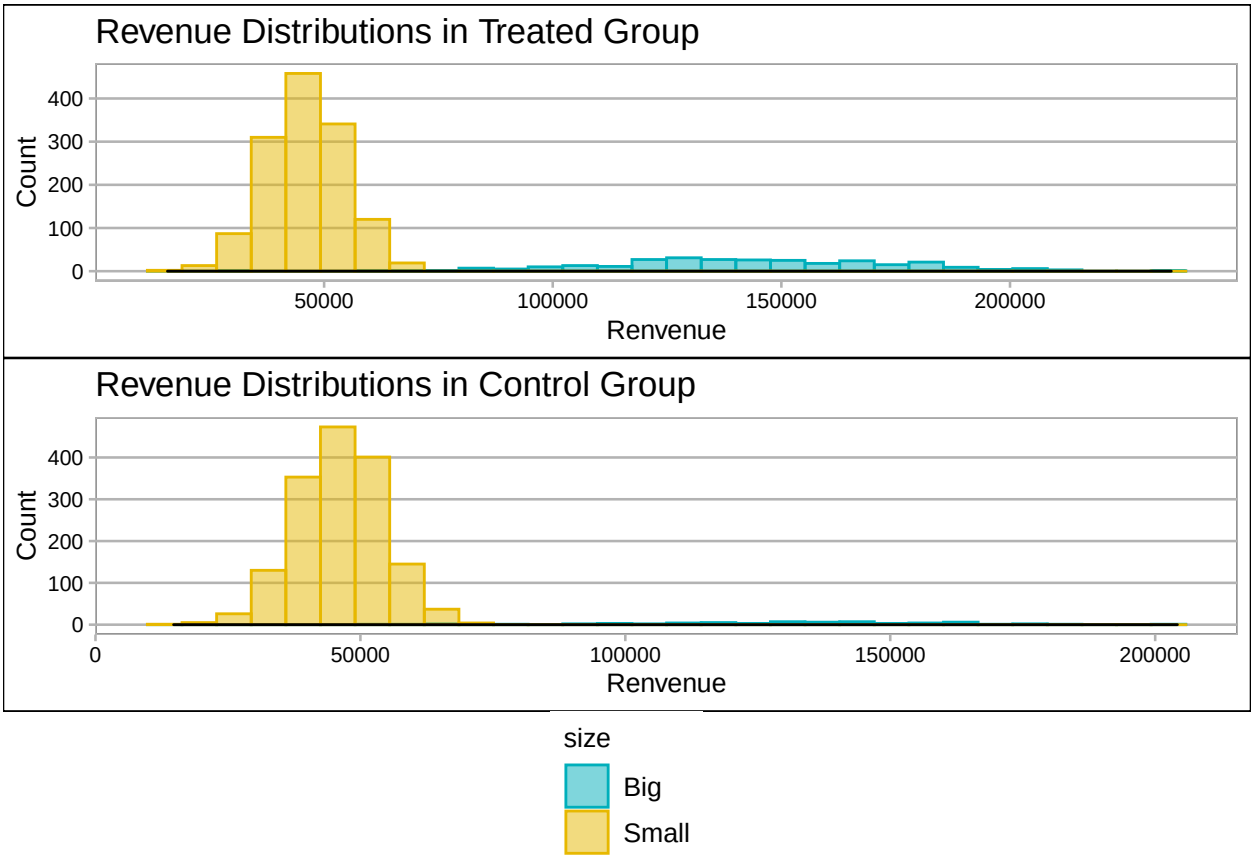
2.2 Data Gathering Method

2.3 Descriptive Analysis

After discussing data gathering method, we sampled data in R (R Core Team 2020). We totally have **3274** observations, and 14 of following features according to the questionnaires.

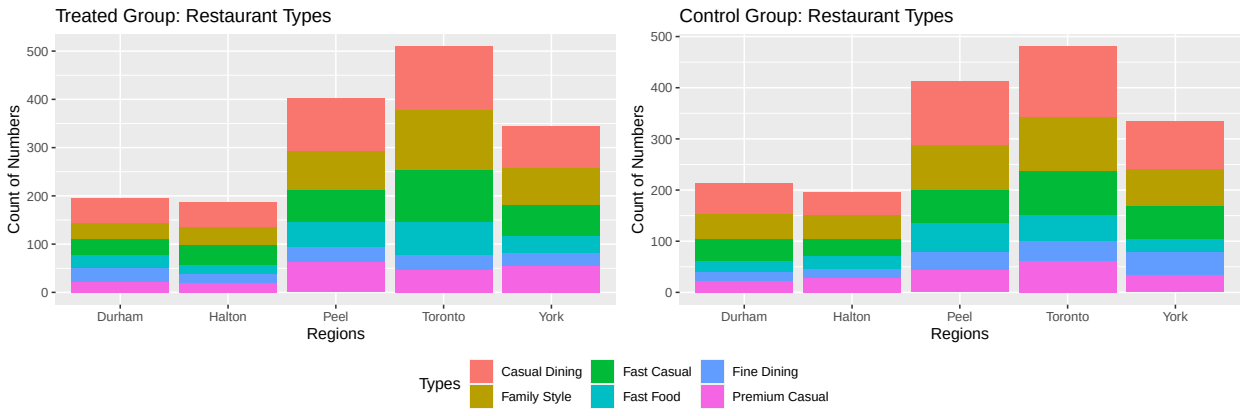
- `type` : Unique row identifier for Open Data database
- `Q1` : Unique row identifier for Open Data database
- `Q2` : Unique row identifier for Open Data database
- `Q3` : Unique row identifier for Open Data database
- `Q4` : Unique row identifier for Open Data database
- `Q5` : Unique row identifier for Open Data database
- `Q6` : Unique row identifier for Open Data database
- `Q7` : Unique row identifier for Open Data database
- `Q8` : Unique row identifier for Open Data database
- `Q9` : Unique row identifier for Open Data database
- `Q10` : Unique row identifier for Open Data database
- `Q11` : Unique row identifier for Open Data database
- `Q12` : Unique row identifier for Open Data database
- `Q13` : Unique row identifier for Open Data database
- `Q14` : Unique row identifier for Open Data database

2.3.1 Revenue distributions group by restaurant size

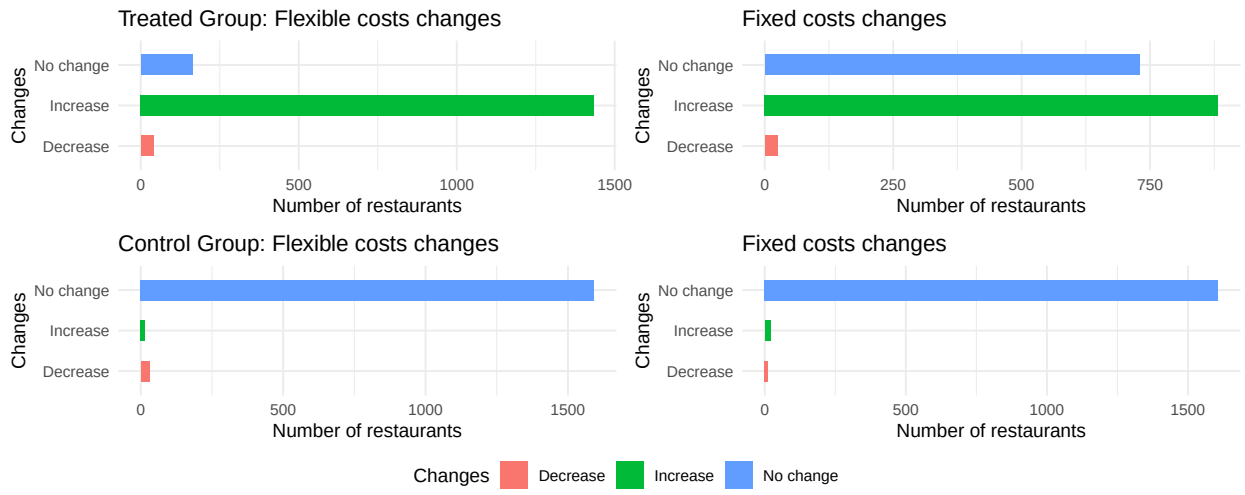


2.3.2 restaurant type by regions

```
## Loading required package: viridisLite
```

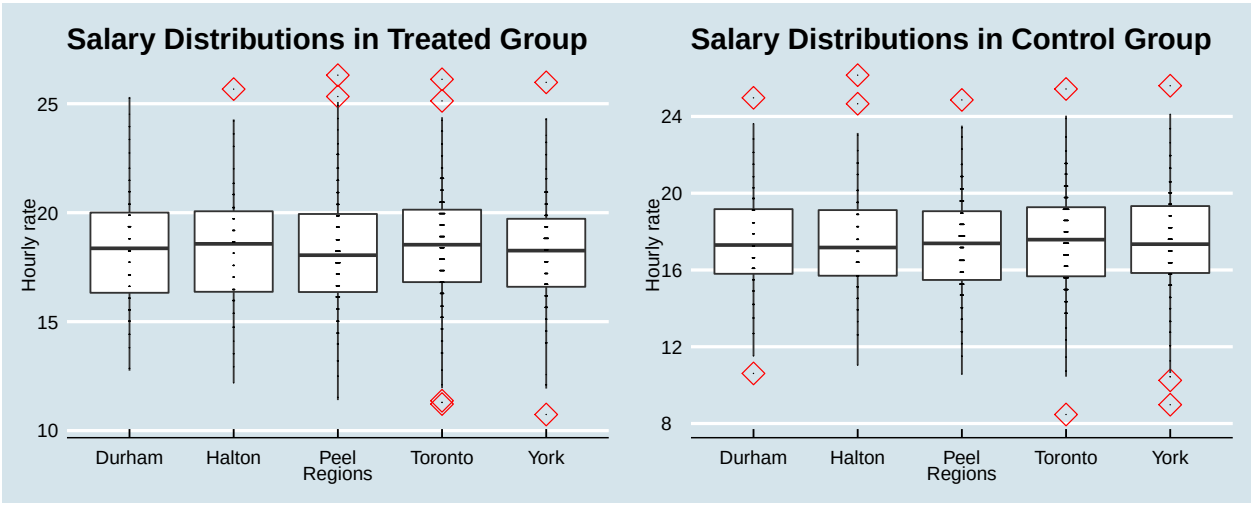


2.3.3 Flex and fiexed cost changes

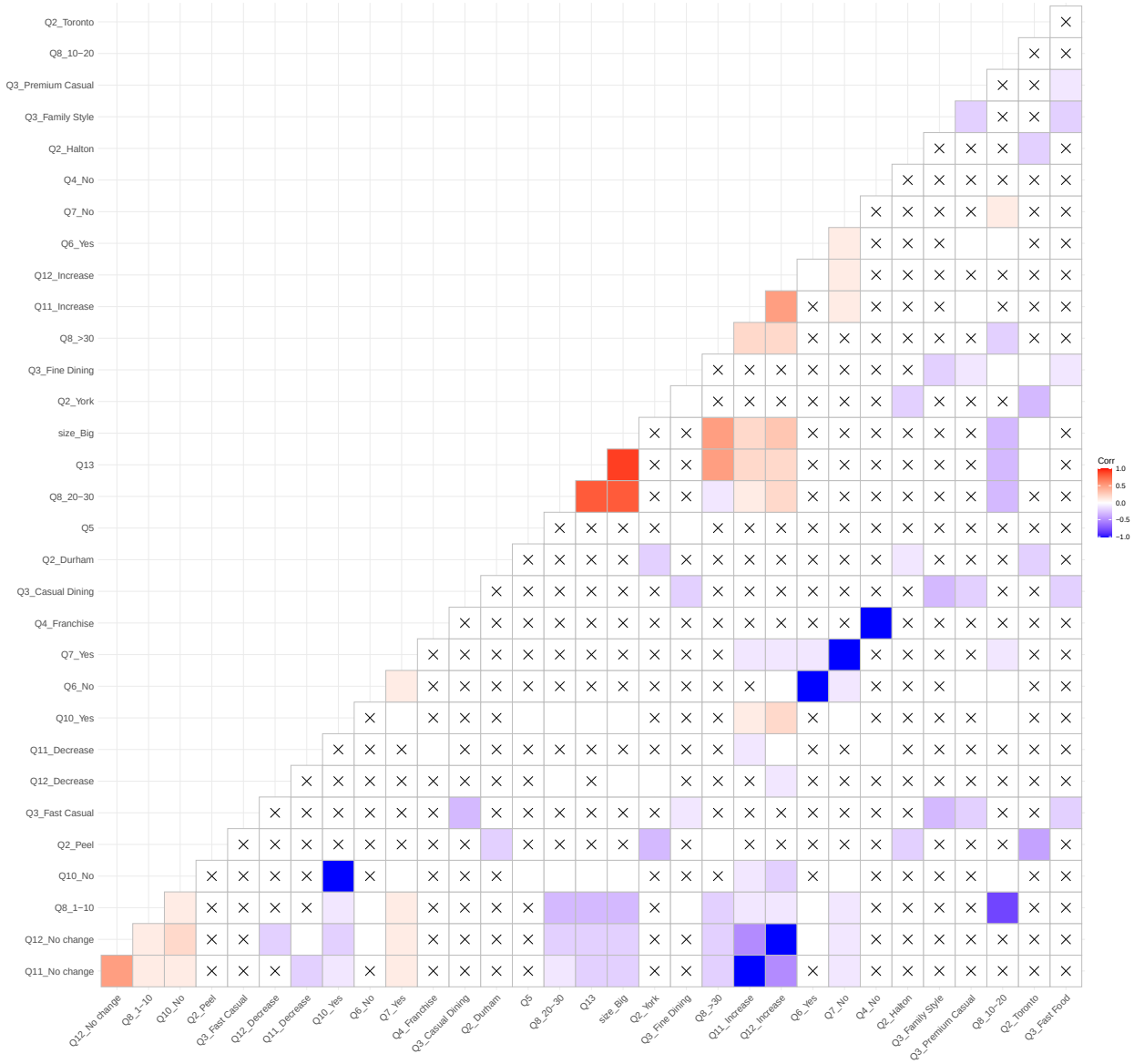


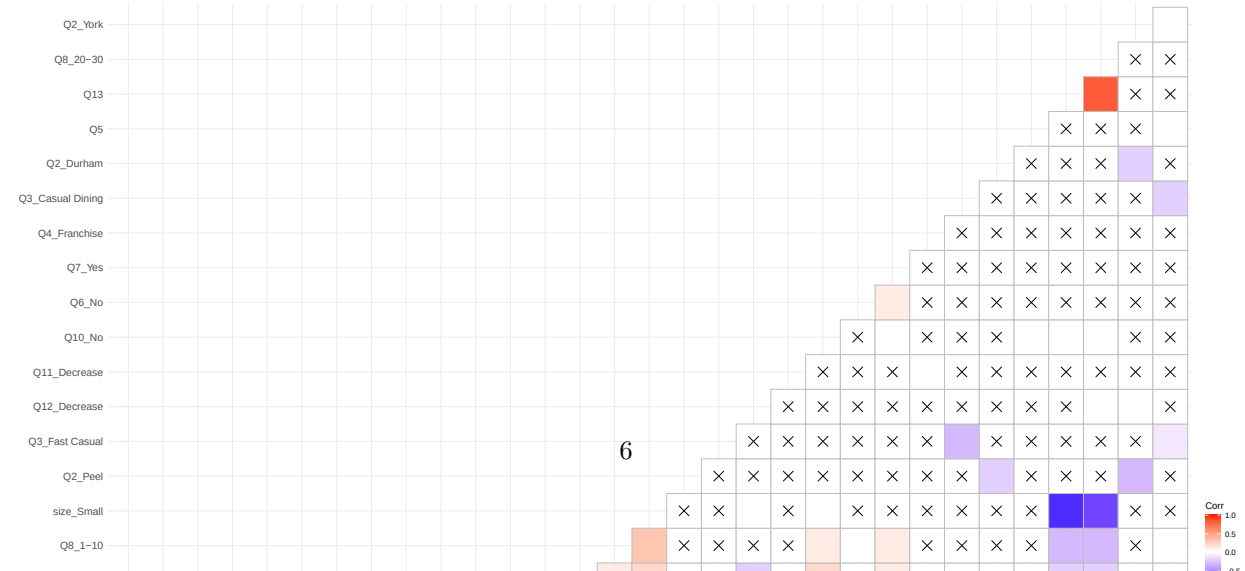
2.3.4 Distribution average employee salary

```
## `stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.
## `stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.
```

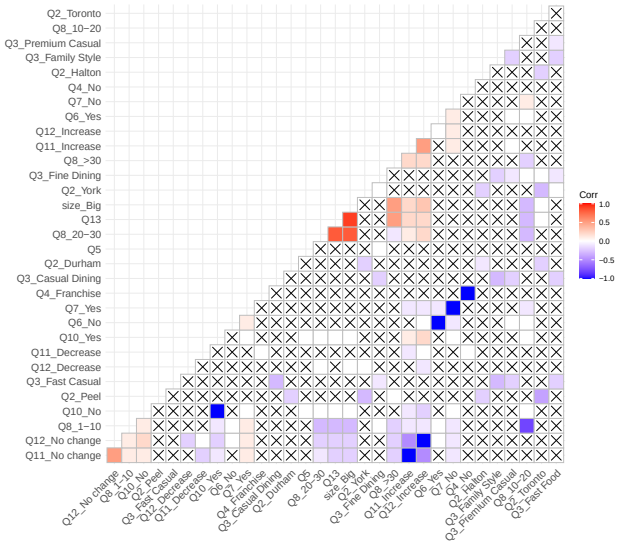


2.3.5 correlation matrix

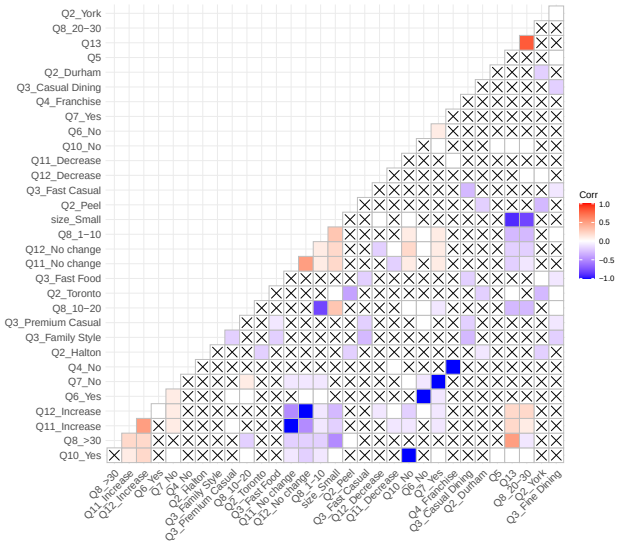




Big restaurant



Small restaurant



3 Discussion

3.1 Overview

3.2 Findings

3.2.1 Finding ONE

3.2.2 Finding TWO

3.2.3 Finding THREE

3.3 Limitation

3.4 Future Directions

Table 1: Detailed information for stratification

Region	Number of Restuarants	Proportion(%)	Sample Selected
Toronto	7500	29.58	48430
Durham	3260	12.86	21051
York	5553	21.90	35858
Peel	6235	24.59	40262
Halton	2803	11.06	18100
Total	25351	100.00	1637

Table 2: Estimated Cost

Components	Cost per unit	Total cost for each component
Printing Cost	0.05	738.95
Envelope Cost	0.15	4433.70
Stamp Cost	0.55	16256.90

4 Appendix

4.1 Appendix A

4.2 Appendix B

References

R Core Team. 2020. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org/.