

final project draft (team 8)

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範例議題

哪類族群對歐式料理有較高的喜好度？

Load library

Line22 dataset路徑麻煩同學們手動改成自己的存檔位置，謝謝。
(為了省事所以不弄到googlesheet上)

```
library(readr)
library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

library(ggplot2)
dataset <- read_csv("/Users/peizhi/Documents/OneDrive/final
project/dataset.csv", show_col_types = FALSE)

## New names:
## * `` -> ...1
```

clean data

一些資料整理、重新歸類排序.

這裡只是拋磚引玉，如果大家在資料集裡有更有梗的發現也歡迎在gitter集思廣益。

國際議題關注度, 升序 (b10)

```
b10_recode <- c('1'=7, '2'=6, '3'=5, '4'=4, '5'=3, '6'=2, '7'=1, '92'=NA, '94'=NA)
dataset$b10_idx <- b10_recode[dataset$b10] %>% factor()
table(dataset$b10_idx)
```

```
##
##   1    2    3    4    5    6    7
## 606  94 296 276 267 276 140
```

外語閱讀能力, 升序 (b23a)

```
b23a_recode <- c('1'=7, '2'=6, '3'=5, '4'=4, '5'=3, '6'=2, '7'=1, '98'=NA)
dataset$b23a_idx <- b23a_recode[dataset$b23a] %>% factor()
table(dataset$b23a_idx)
```

```
##
##   1    2    3    4    5    6    7
## 913 357 204  30 225 195  36
```

歐式料理喜好度 (c3e)

```
c3e_recode <- c('1'=1, '2'=1, '3'=0, '4'=0, '97'=NA)
dataset$c3e_gc <- c3e_recode[dataset$c3e] %>% factor()
levels(dataset$c3e_gc) <- c("dislike", "like")
table(dataset$c3e_gc)
```

```
##
## dislike    like
##   1270     690
```

Figures

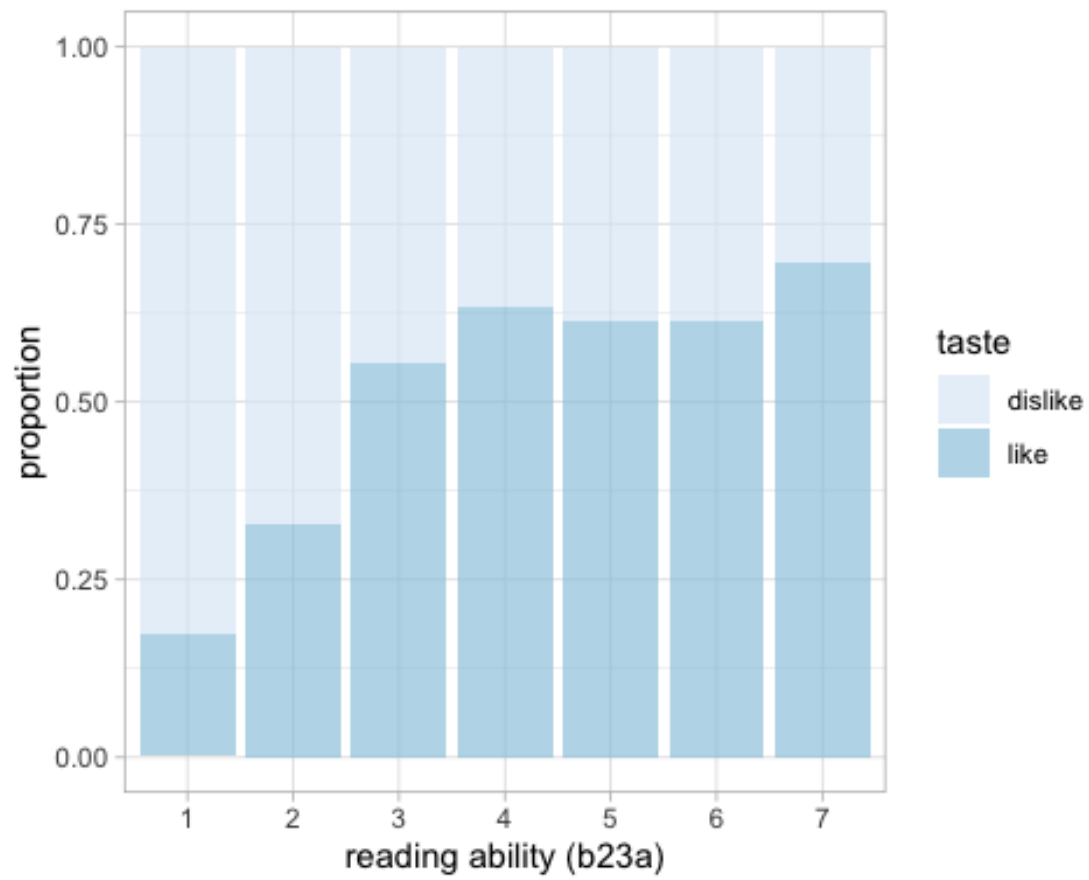
將資料視覺化，表現對歐式料理的偏好與外語能力和國際議題關注度的趨勢（相關性）。
（有其它表現力更好的方式也麻煩大家再給意見）

```
q1p1 <- ggplot(dataset,
  aes(x = b23a_idx,
      fill = c3e_gc)) +
  geom_bar(position = position_fill(), alpha = .7) +
  scale_x_discrete(name = 'reading ability (b23a)',
    breaks = seq(0, 7, 1), na.translate = FALSE) +
  scale_fill_brewer(breaks=c("dislike", "like"),
    labels = c("dislike", "like"),
    palette = "Blues") +
  theme_light() +
  labs(y = "proportion", fill = 'taste')

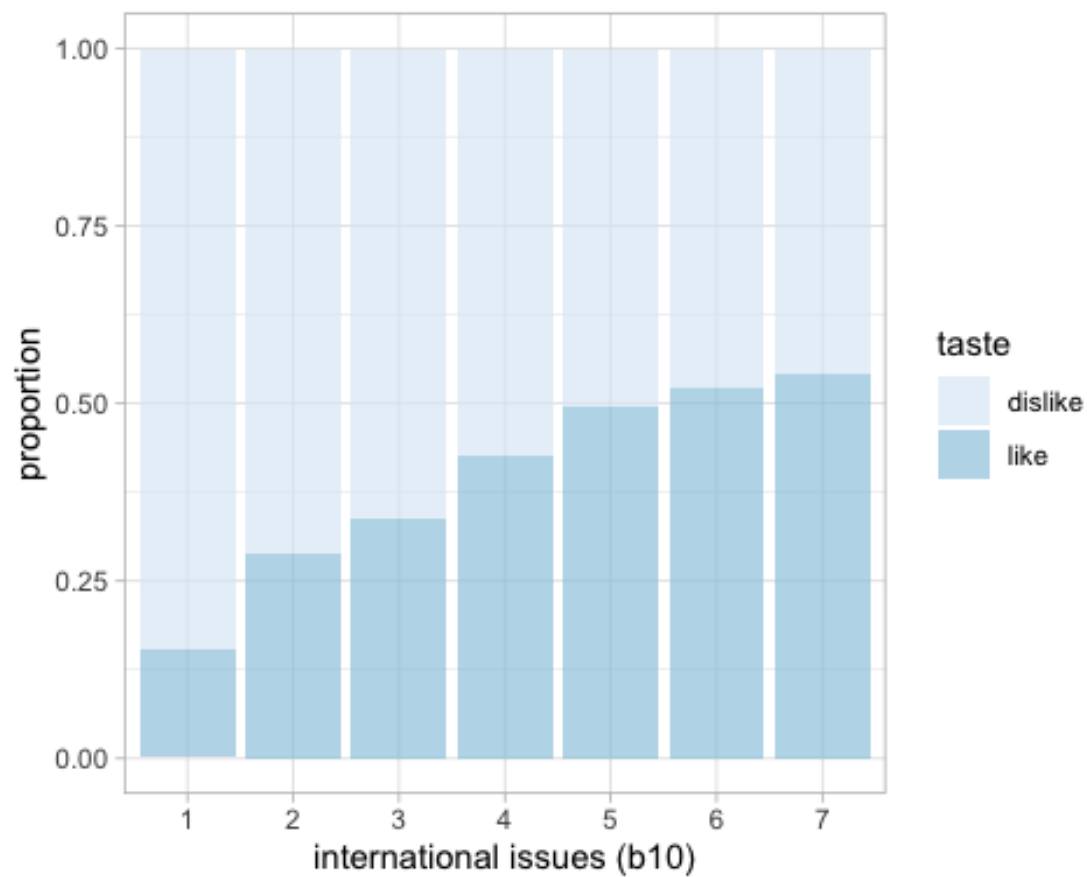
q1p2 <- ggplot(dataset,
  aes(x = b10_idx,
      fill = c3e_gc)) +
  geom_bar(position = position_fill(), alpha = .7) +
  scale_x_discrete(name = 'international issues (b10)',
    breaks = seq(0, 7, 1), na.translate = FALSE) +
  scale_fill_brewer(breaks=c("dislike", "like"),
    labels = c("dislike", "like"),
    palette = "Blues") +
  theme_light() +
```

```
labs(y = "proportion", fill = 'taste')
```

q1p1



q1p2



Conclusion

外語能力較好與對國外議題關注度高的民眾對歐式料理有較高偏好。
(僅為範例，可能要多整理其它問卷選項尋找相關度高的議題豐富故事內容)