

## Lab 3: Wrangling sales data

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### Exercise 1

**i.**

`select(coffeeshop, !cogs) #!cogs` → Select all columns except for the cogs column

**ii.**

`select(coffeeshop, starts_with("prod")) #Starts_with("prod")` → product\_line, select a column that begins with “prod”, such as product

**iii.**

`select(coffeeshop, contains("pe")) #contains("pe")` → Select total\_expenses column with “pe” in column name

**iv.**

`select(coffeeshop, caffeineation = type) #Recall and rename the correction = type` → type column

### Exercise 2

```
## # A tibble: 1,844 x 1
##   caffeineation
##   <chr>
## 1 Decaf
## 2 Decaf
## 3 Decaf
## 4 Decaf
## 5 Decaf
## 6 Decaf
```

```
## 7 Decaf
## 8 Decaf
## 9 Decaf
## 10 Decaf
## # i 1,834 more rows

## # A tibble: 181 x 2
##   product_line product
##   <chr>         <chr>
## 1 Leaves      Darjeeling
## 2 Leaves      Darjeeling
## 3 Leaves      Darjeeling
## 4 Leaves      Darjeeling
## 5 Leaves      Darjeeling
## 6 Leaves      Darjeeling
## 7 Leaves      Darjeeling
## 8 Leaves      Darjeeling
## 9 Leaves      Darjeeling
## 10 Leaves     Darjeeling
## # i 171 more rows
```

### Exercise 3

### Exercise 4

### Exercise 5

### Exercise 6

### Exercise 7