Hand picking similar behaving group of customers to check clustering results

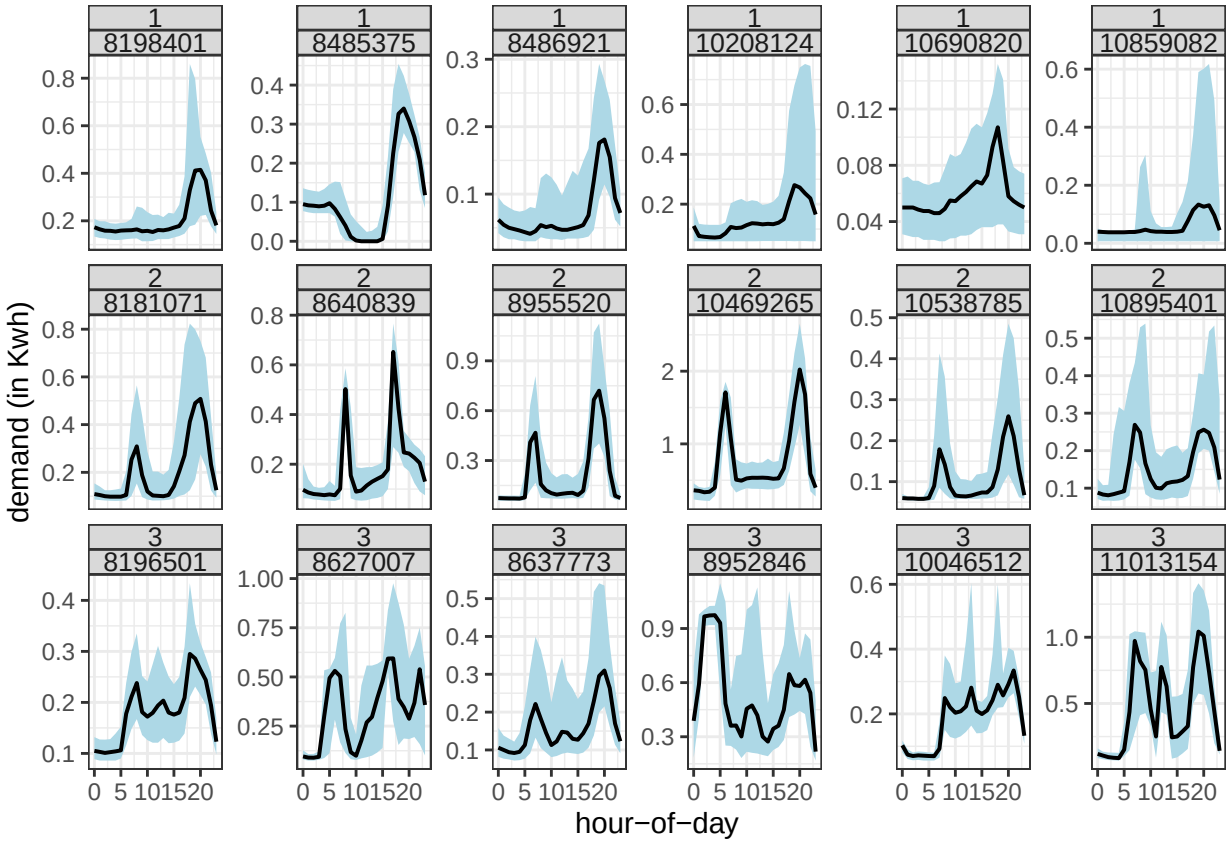

Figure 1: Median (black) and quartile deviation (blue region) of hourly demand drawn for few customers showing similar behaviors. Roughly speaking, Design 1 has one evening peak, Design 2 has two peaks and Design 3 has three peaks in a day. Each of design 1, 2 and 3 have six similar behaving customers resulting to 18 time series. We want our clustering results to group each of the designs together.

```
## # A tibble: 16 x 2
##    group customer_id
##    <int>       <int>
##  1     1     8181071
##  2     2     8196501
##  3     3     8198401
##  4     3     8486921
##  5     1     8627007
##  6     1     8637773
##  7     1     8640839
##  8     1     8955520
##  9     2    10046512
```

```
## 10     3    10208124
## 11     1    10469265
## 12     1    10538785
## 13     3    10690820
## 14     3    10859082
## 15     1    10895401
## 16     2    11013154
```

```
## # A tibble: 3 x 2
##   group     n
##   <int> <int>
## 1     1     8
## 2     2     3
## 3     3     5
```