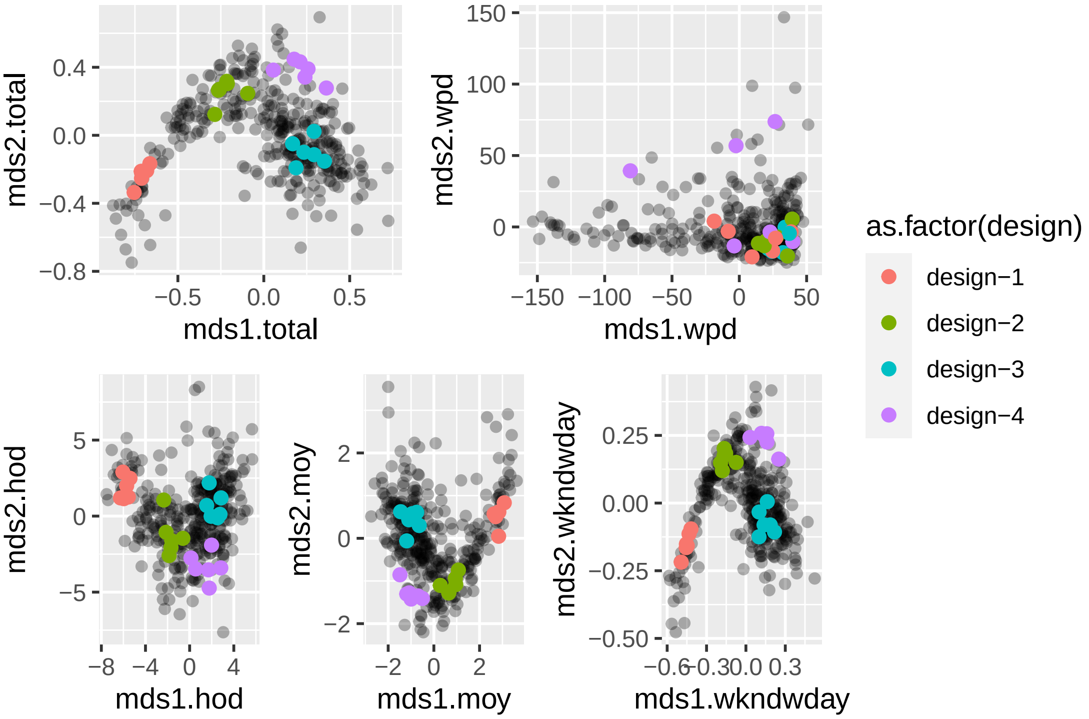
Abstract

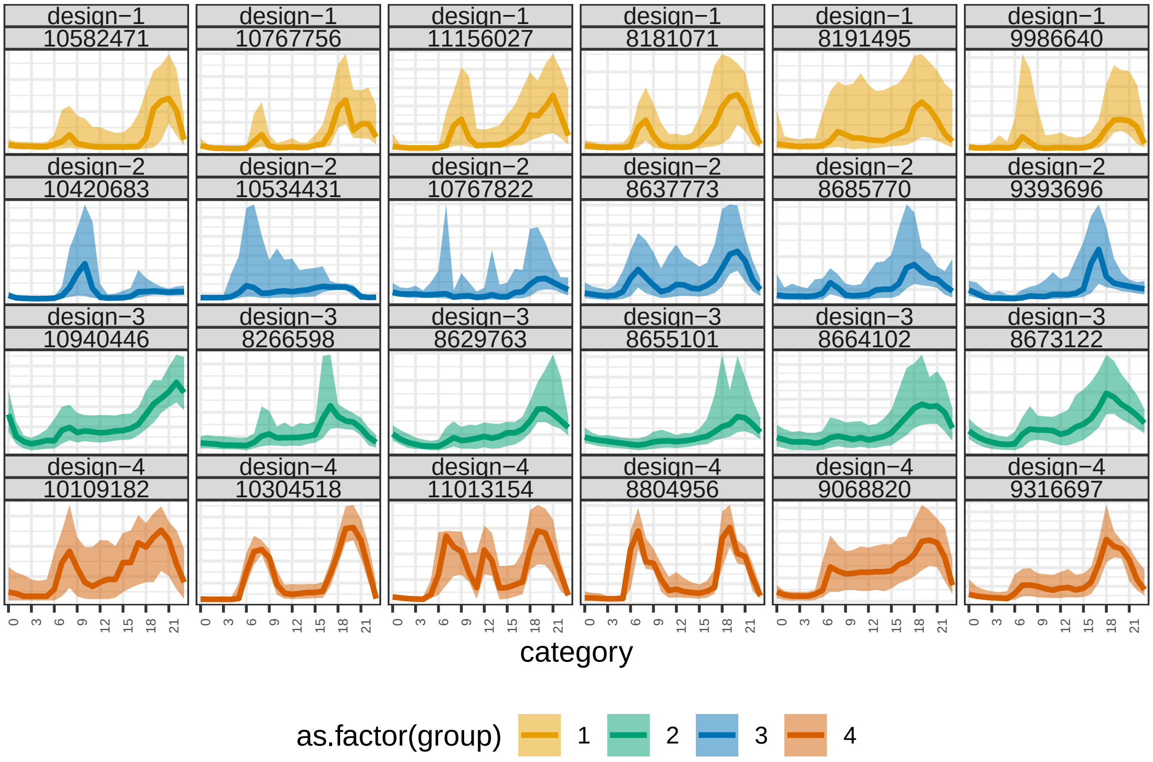
Clustering elements based on behavior across time granularities

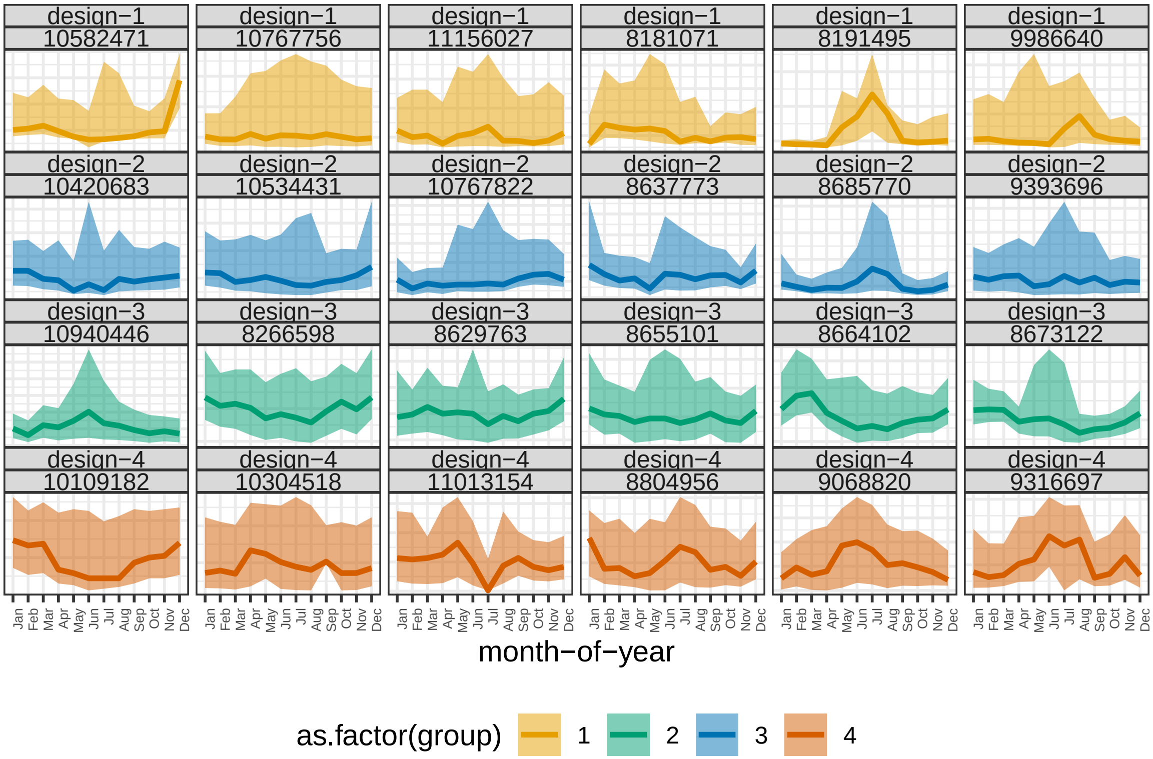
Keywords:

Where they lie on the mds plot of total, hod, moy, wkndwday and wpd

```
## Joining, by = "customer_id"
```



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design−1
10767756
design−1
11156027
design−1
8181071
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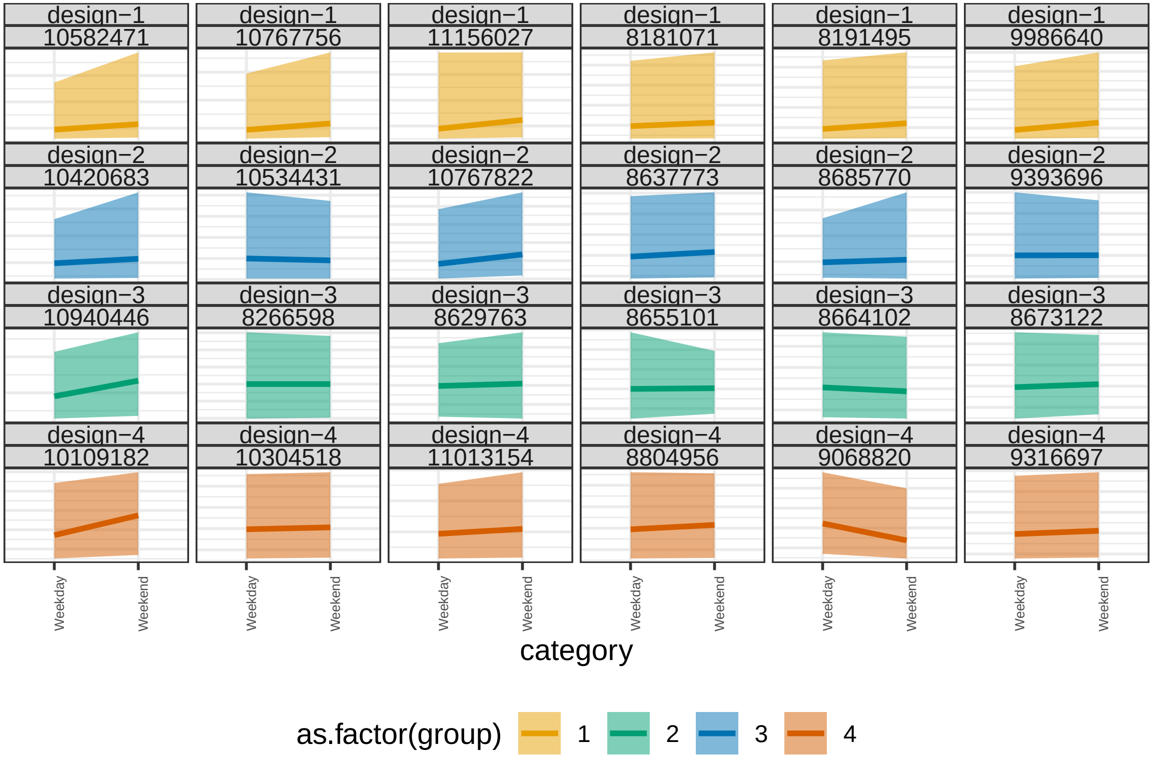
design−1
9986640
design−2
10420683
design−2
10534431
design−2
10767822
design−2
8637773
design−2
8685770
design−2
9393696
design−3
10940446
design−3
8266598
design−3
8629763
design−3
8655101
design−3
8664102
design−3
8673122
design−4
10109182
design−4
10304518
design−4
11013154
design−4
8804956
design−4
9068820
design−4
9316697
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
month−of−year
as.factor(group)
1
2
3
4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10420683
design−2
10534431
design−2
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9393696
design−3
10940446
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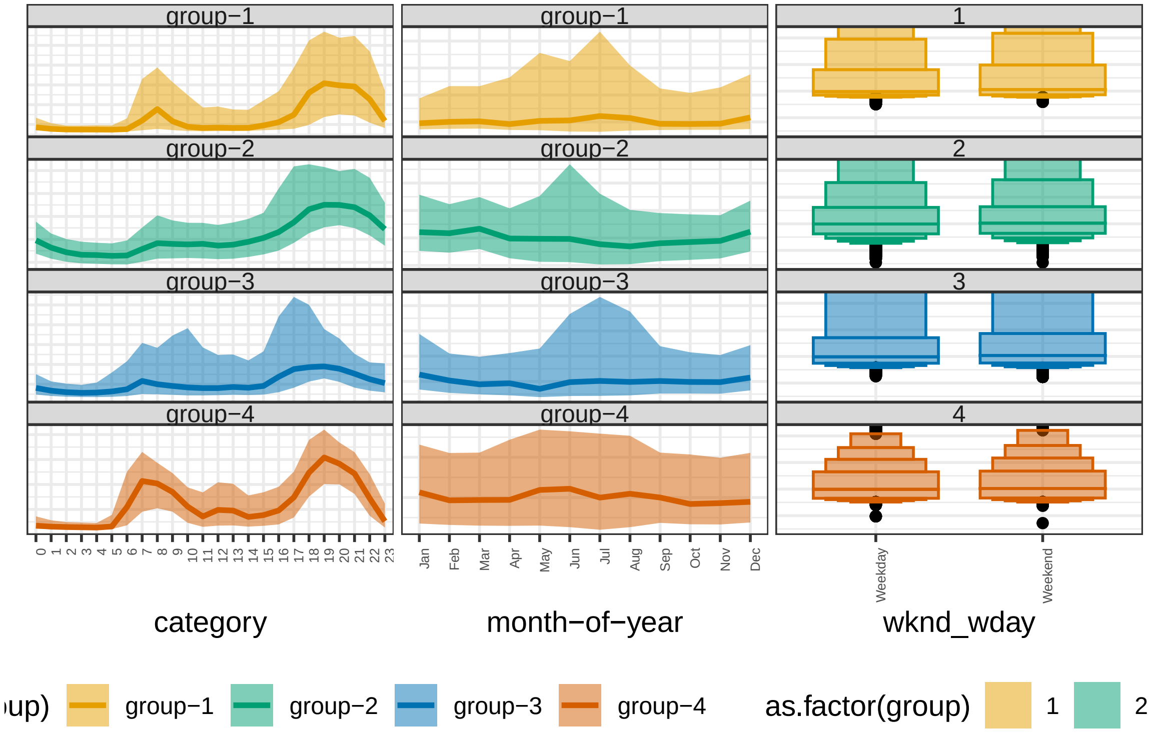
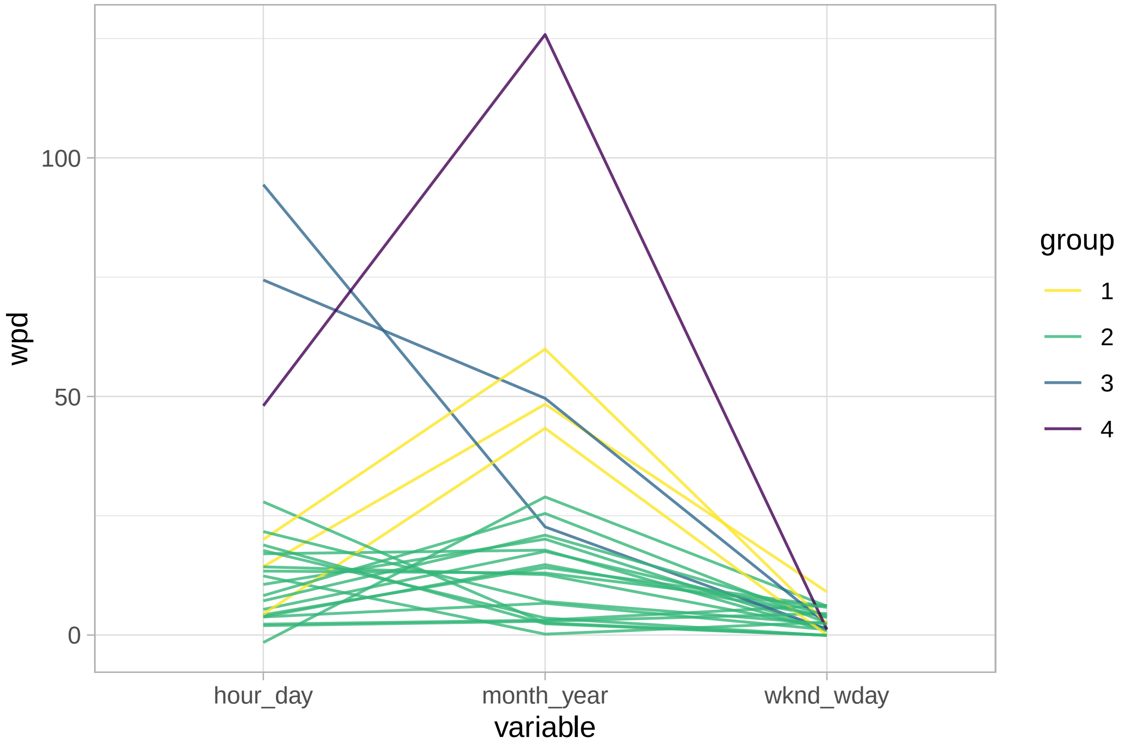
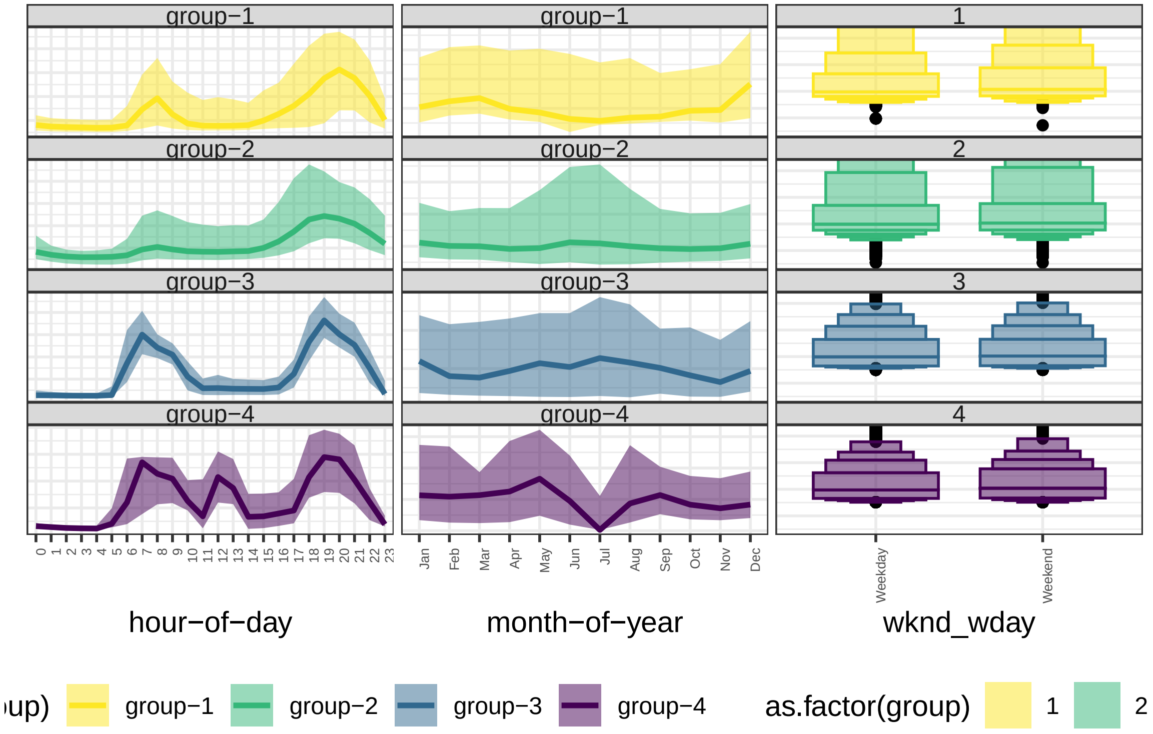
8655101
design−3
8664102
design−3
8673122
design−4
10109182
design−4
10304518
design−4
11013154
design−4
8804956
design−4
9068820
design−4
9316697
Weekday
Weekend
category
as.factor(group)
1
2
3
4



0.1 wpd-based clustering

```
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
## Error in cor.test.default(x, y, method = method, use = use) :
##   not enough finite observations
```


wpd
100
50
0
hour_day
month_year
wknd_wday
variable
group
1
2
3
4


group−1
group−2
group−3
group−4
1
2
3
4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Weekday
Weekend
hour−of−day
month−of−year
wknd_wday
up)
group−1
group−2
group−3
group−4
as.factor(group)
1
2