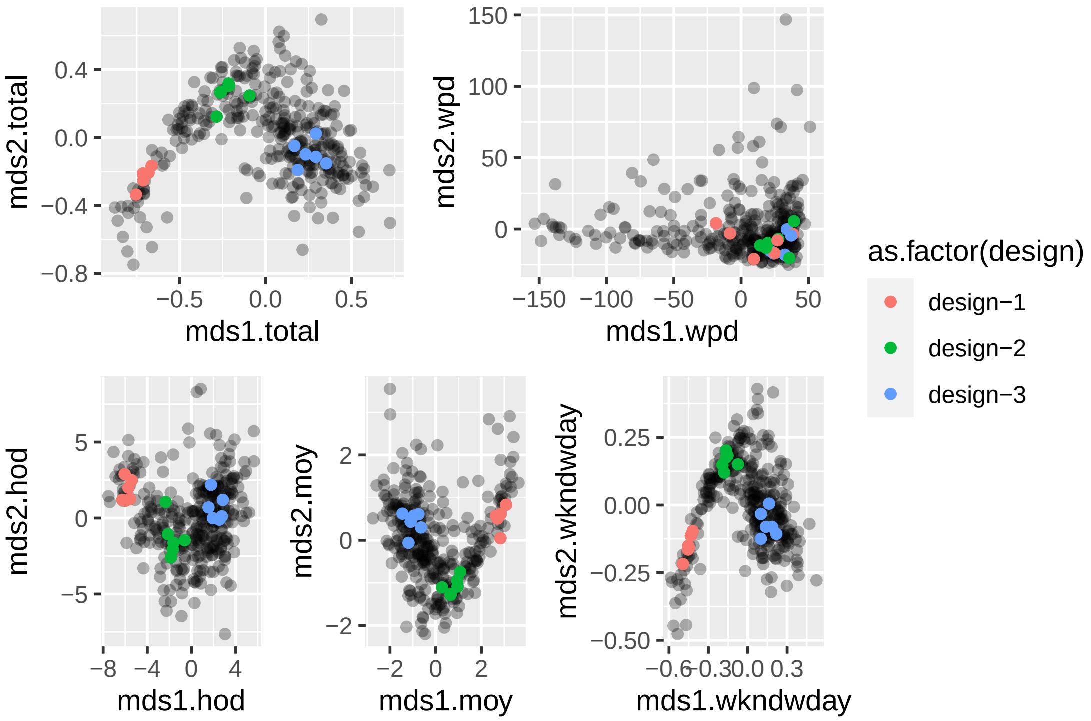
Abstract

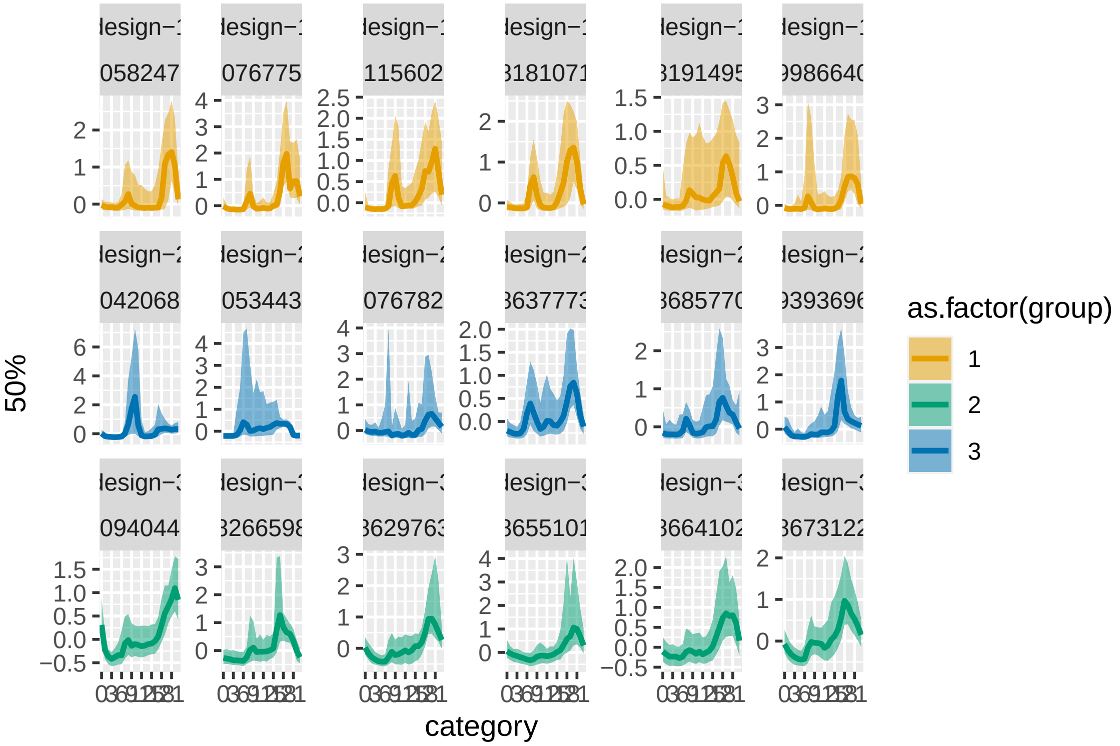
Clustering elements based on behavior across time granularities

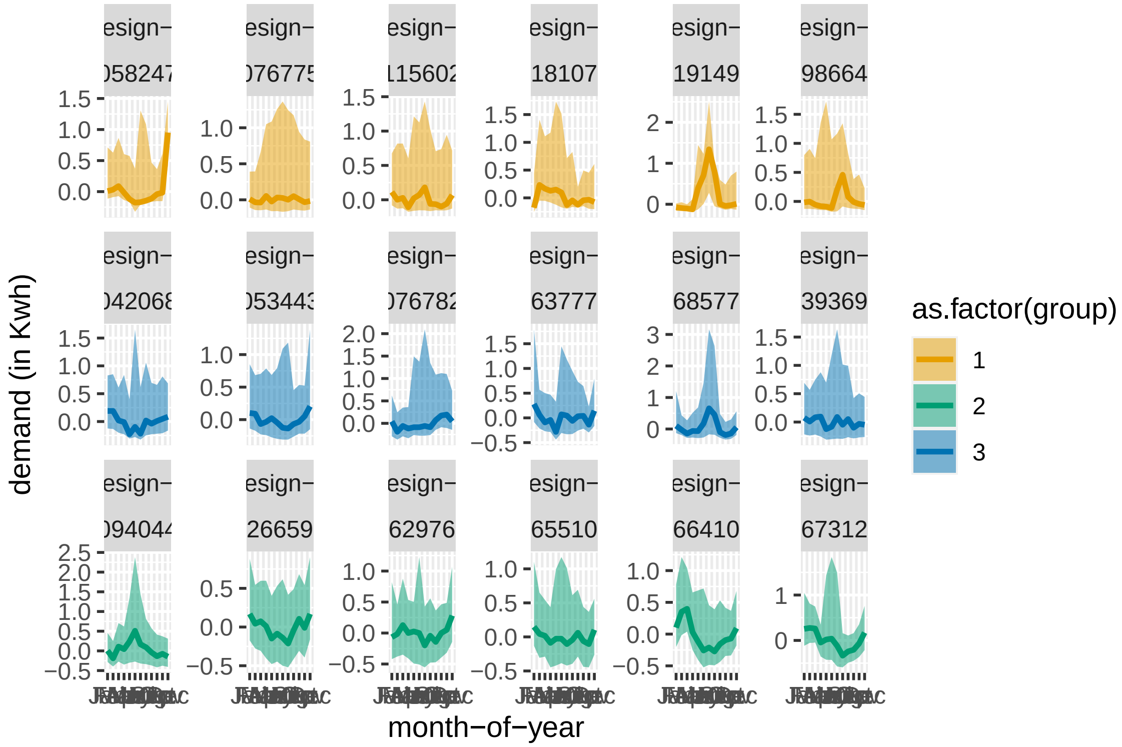
Keywords:

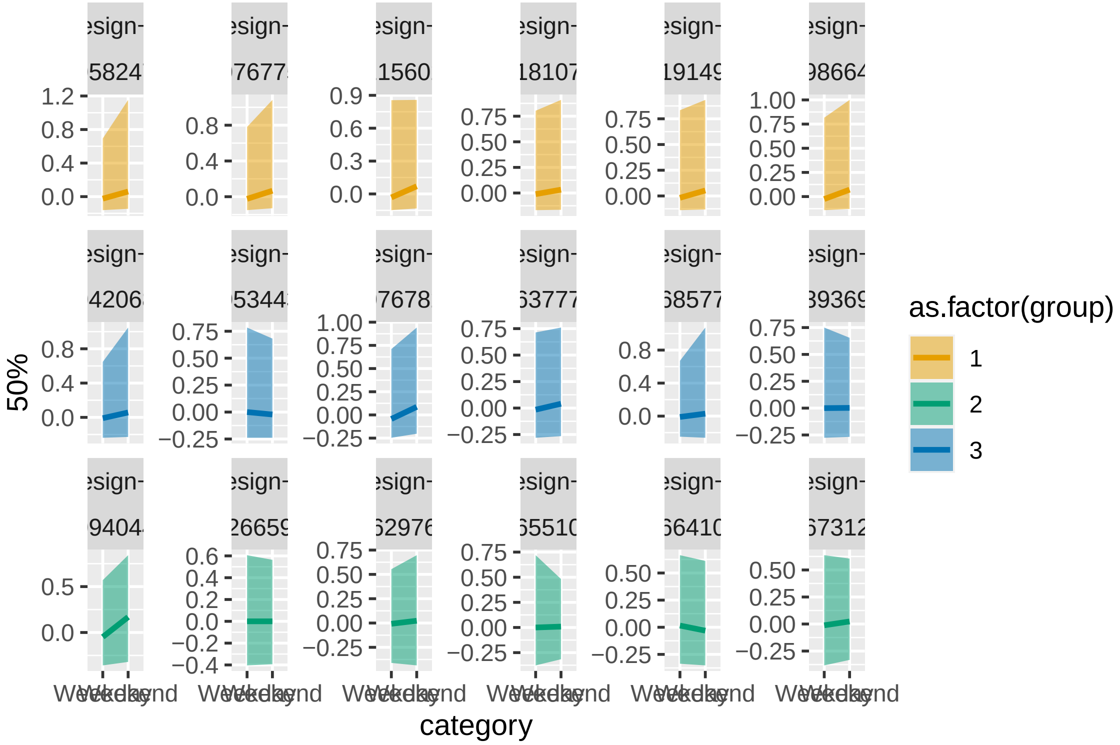
Where they lie on the mds plot of total, hod, moy, wkndwday and wpd

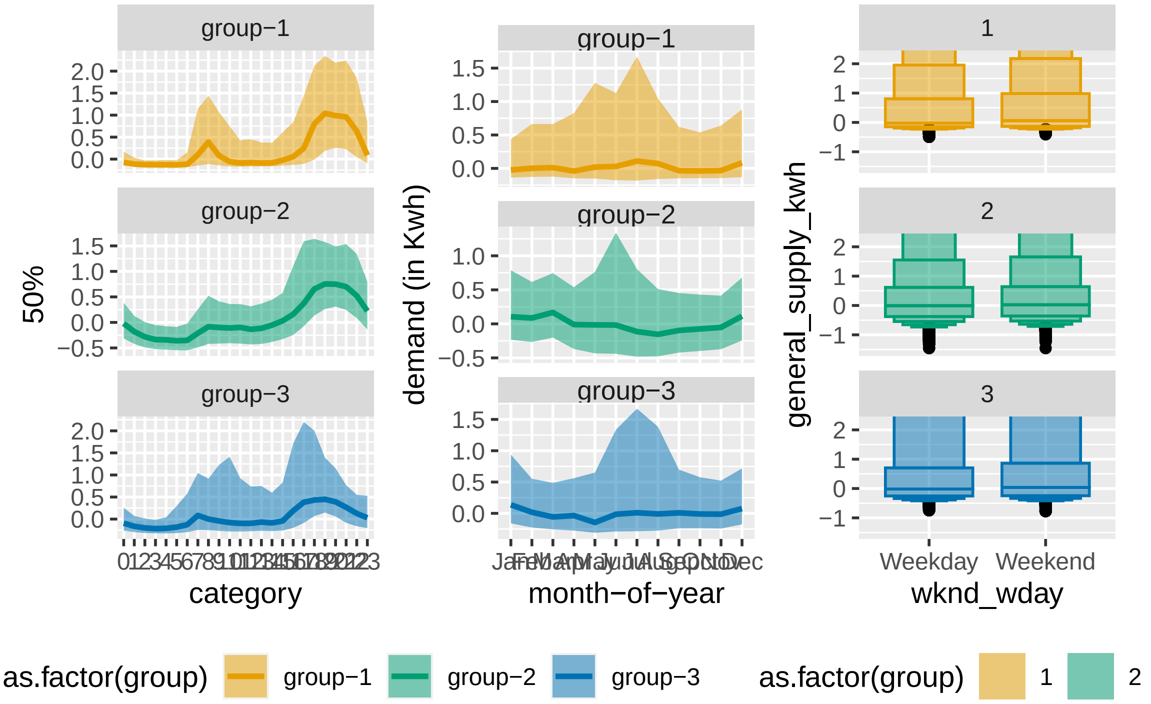
```
## Joining, by = "customer_id"
```





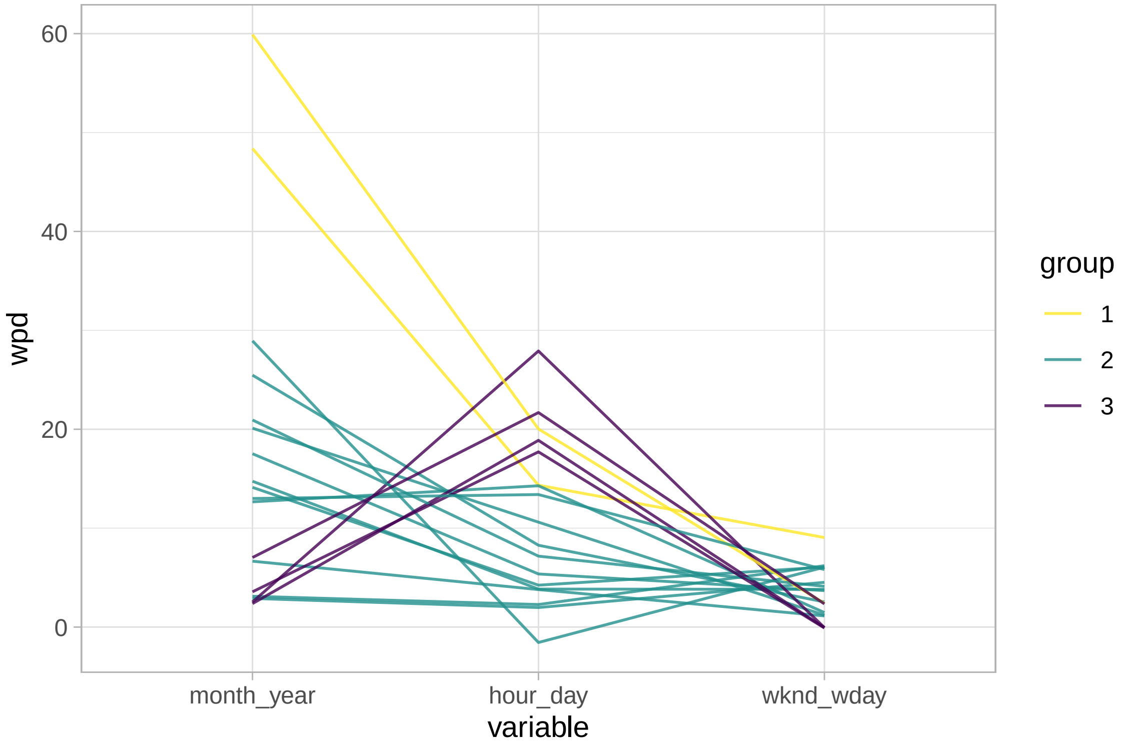

esign−
)58247
)76775
115602
18107
19149
98664
)42068
)53443
)76782
63777
68577
39369
)94044
26659
62976
65510
66410
67312
demand (in Kwh)
month−of−year
as.factor(group)
1
2
3

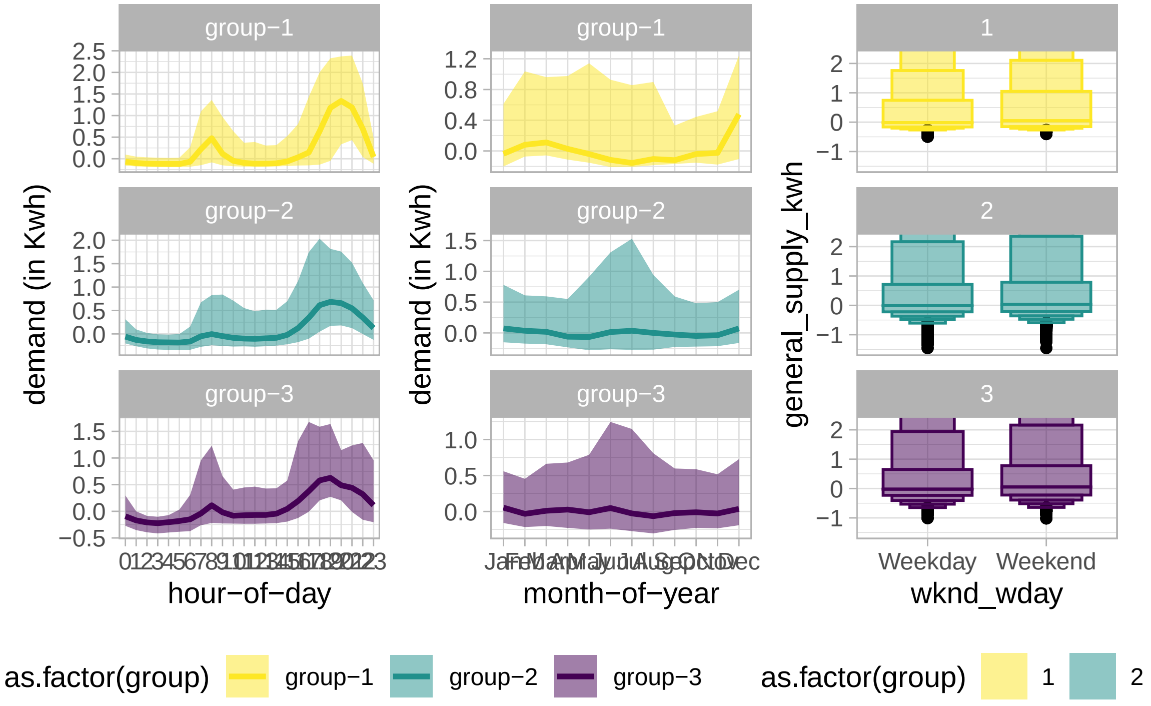

esign-
5824
7677
1560
18107
1914
9866
4206
5344
7678
63777
68577
39369
9404
26659
62976
55510
56410
67312
50%
category
Weekday
Weekend
as.factor(group)
1
2
3



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
60
40
20
0
month_year
hour_day
wknd_wday
variable
group
1
2
3


group−1
group−2
group−3
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
demand (in Kwh)
0123456789101112131415161718192021222324
hour−of−day
1.2
0.8
0.4
JanFebMarAprMayJunJulAugSepOctNovDec
month−of−year
1
2
3
general_supply_kwh
−1
Weekday
Weekend
wknd_wday
as.factor(group)
group−1
group−2
group−3
as.factor(group)
1
2