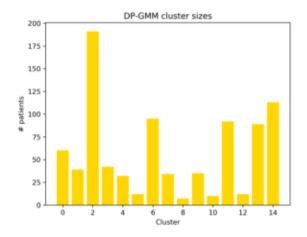
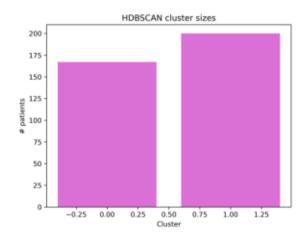
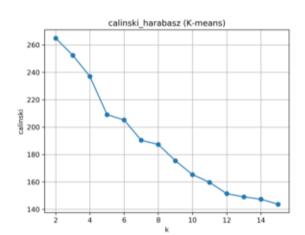
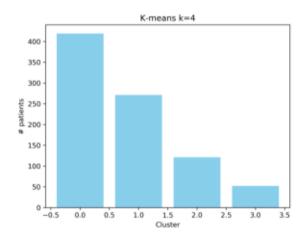
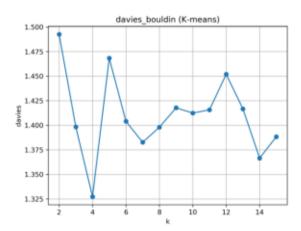
#### DPGMM - metrics / cluster sizes

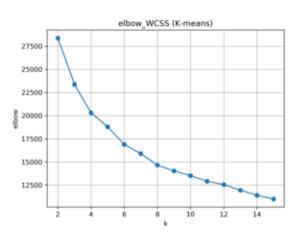


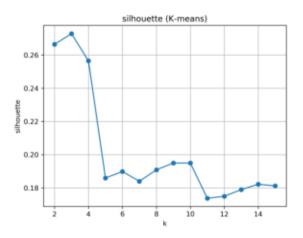






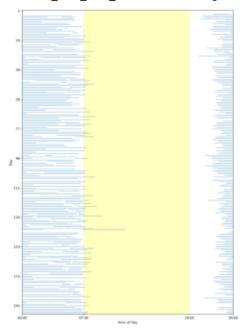






# Cluster 0 (dpgmm) - 3 nearest

Patients\_501\_520\_sheet512 - actogram

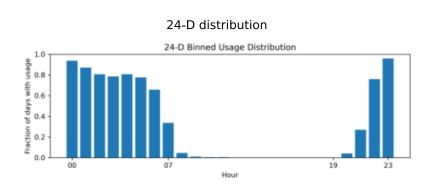


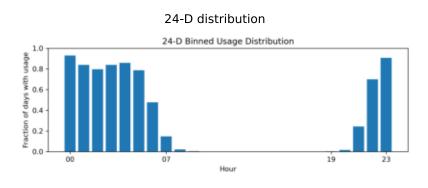
Patients\_101\_120\_sheet110 - actogram

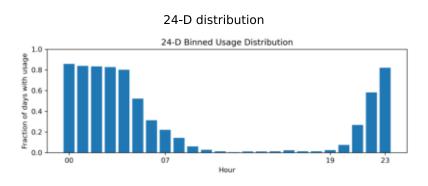


Patients\_21\_40\_sheet32 - actogram





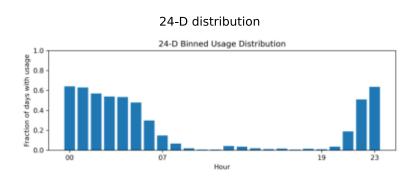




# Cluster 1 (dpgmm) – 3 nearest

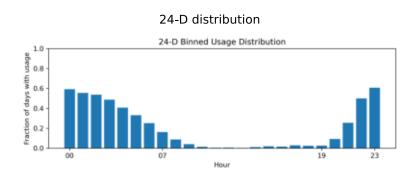
Patients\_1201\_1220\_sheet1201 - actogram



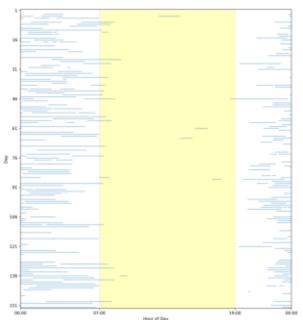


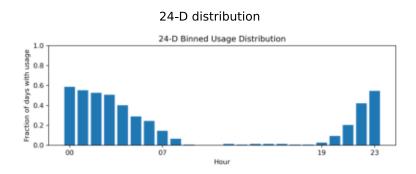
Patients\_1001\_1020\_sheet1006 - actogram





Patients\_421\_440\_sheet440 - actogram

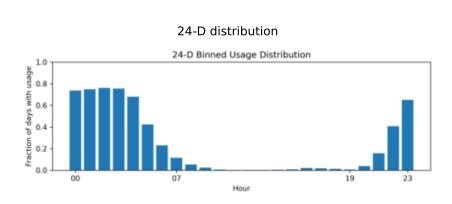




# Cluster 2 (dpgmm) – 3 nearest

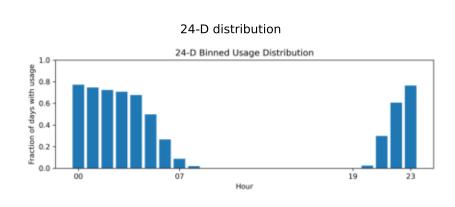
Patients\_501\_520\_sheet504 - actogram





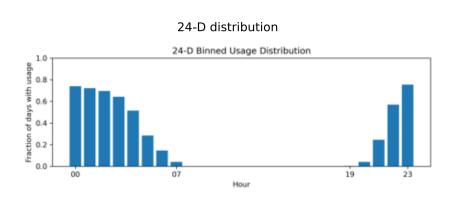
Patients\_1081\_1100\_sheet1085 - actogram





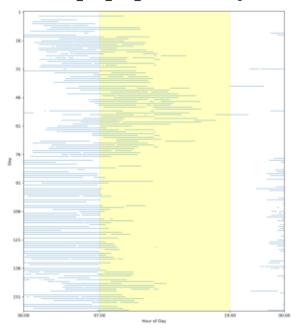
Patients\_1041\_1060\_sheet1043 - actogram

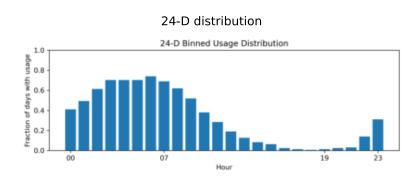




# Cluster 3 (dpgmm) - 3 nearest

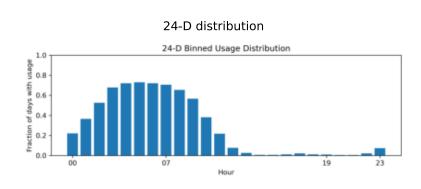
Patients\_461\_480\_sheet470 - actogram





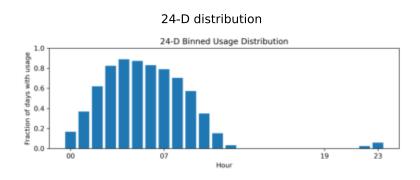
Patients\_481\_500\_sheet487 - actogram





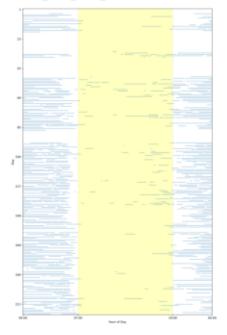
Patients\_1161\_1180\_sheet1170 - actogram





# Cluster 4 (dpgmm) – 3 nearest

Patients\_261\_280\_sheet279 - actogram



24-D distribution

24-D Binned Usage Distribution

24-D Binned Usage Distribution

1.0

0.6

0.8

0.0

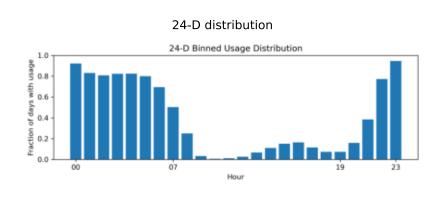
0.0

19

23

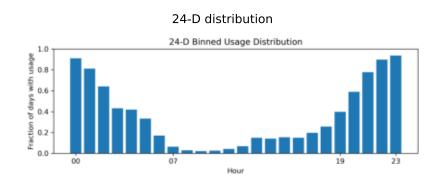
Patients\_341\_360\_sheet342 - actogram





Patients\_61\_80\_sheet64 - actogram

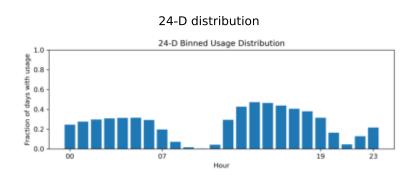




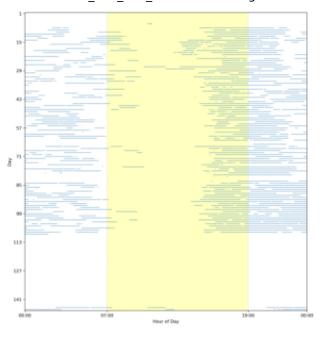
# Cluster 5 (dpgmm) – 3 nearest

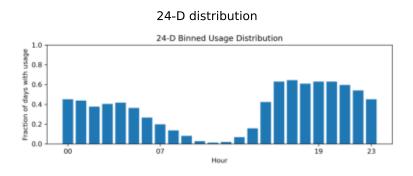
Patients\_61\_80\_sheet80 - actogram





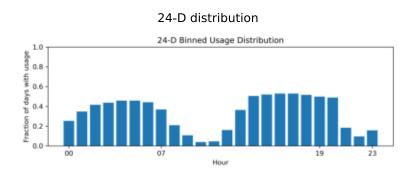
Patients\_941\_960\_sheet957 - actogram





Patients\_1\_20\_sheet4 - actogram





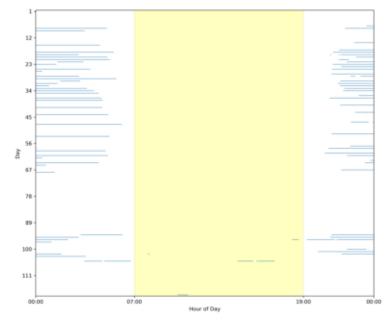
# Cluster 6 (dpgmm) – 3 nearest

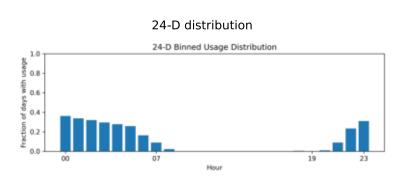
Patients\_621\_640\_sheet634 - actogram

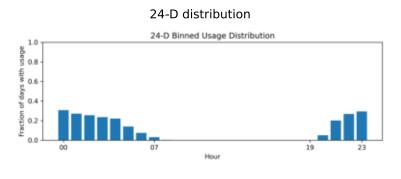


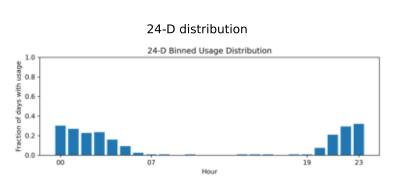


Patients\_561\_580\_sheet565 - actogram





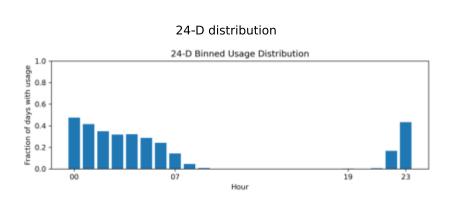




# Cluster 7 (dpgmm) – 3 nearest

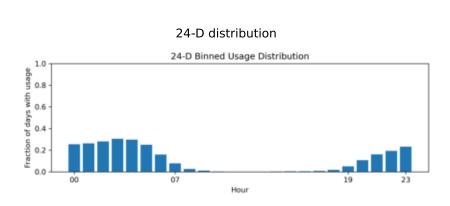
Patients\_161\_180\_sheet175 - actogram





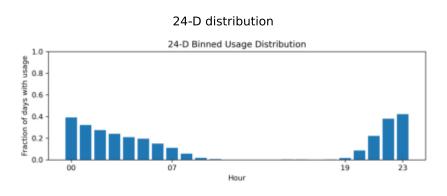
Patients\_541\_560\_sheet560 - actogram





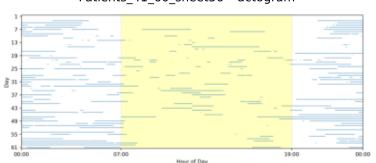
Patients\_841\_860\_sheet858 - actogram

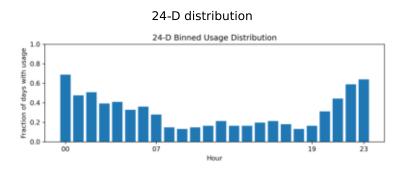




# Cluster 8 (dpgmm) – 3 nearest

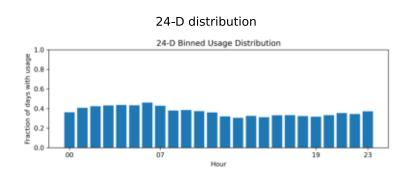
Patients\_41\_60\_sheet56 - actogram





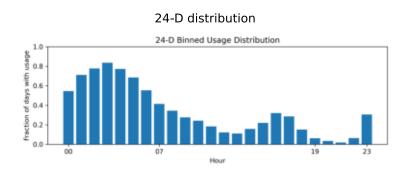
Patients\_441\_460\_sheet454 - actogram





Patients\_1001\_1020\_sheet1018 - actogram

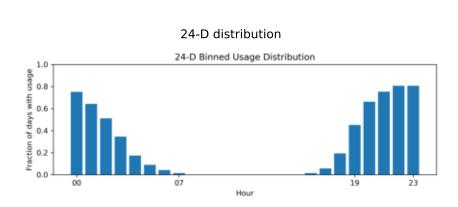




# Cluster 9 (dpgmm) - 3 nearest

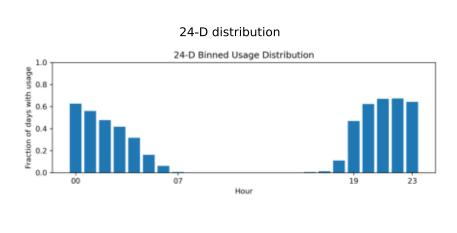
Patients\_221\_240\_sheet221 - actogram





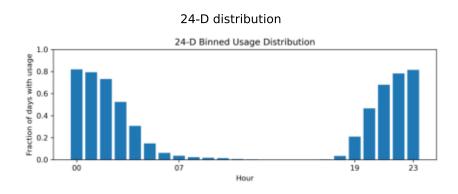
Patients\_921\_940\_sheet939 - actogram





Patients\_621\_640\_sheet639 - actogram

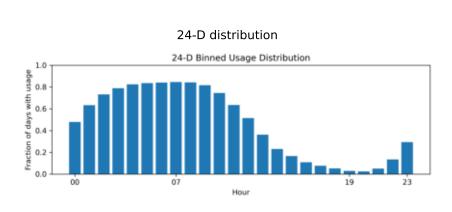




# Cluster 10 (dpgmm) – 3 nearest

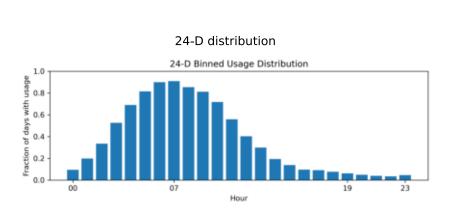
Patients\_861\_880\_sheet870 - actogram



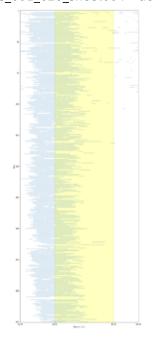


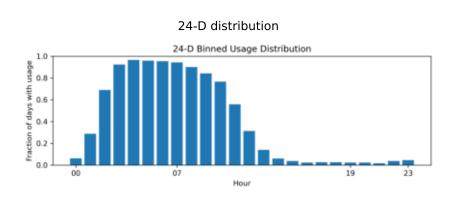
Patients\_481\_500\_sheet498 - actogram





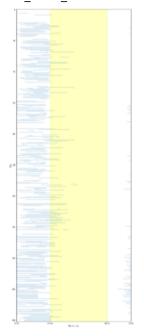
Patients\_601\_620\_sheet604 - actogram

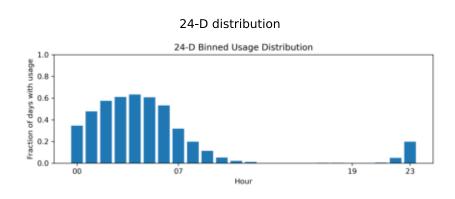




#### Cluster 11 (dpgmm) – 3 nearest

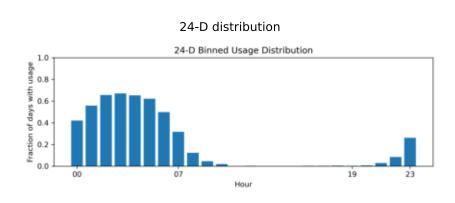
Patients\_1241\_1260\_sheet1249 - actogram





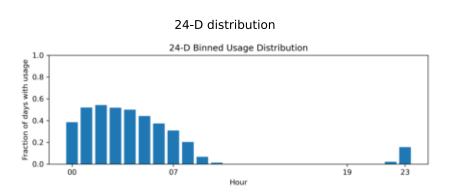
Patients\_241\_260\_sheet250 - actogram





Patients\_661\_680\_sheet679 - actogram





# Cluster 12 (dpgmm) – 3 nearest

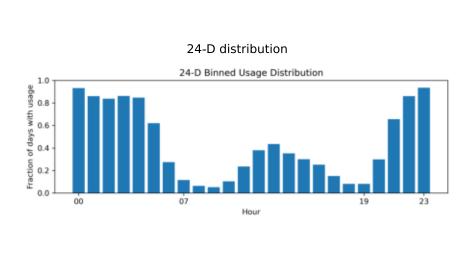
Patients\_681\_700\_sheet686 - actogram



# 24-D distribution 24-D Binned Usage Distribution 24-D Binned Usage Distribution 1.0 0.0 0.0 Hour

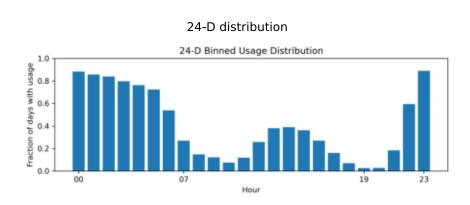
Patients\_801\_820\_sheet815 - actogram





Patients\_521\_540\_sheet527 - actogram

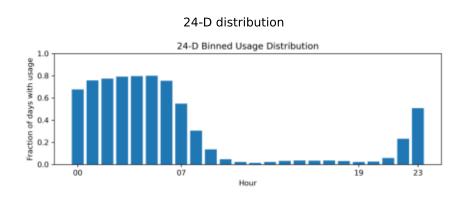




#### Cluster 13 (dpgmm) – 3 nearest

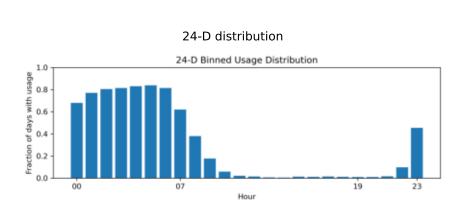
Patients\_221\_240\_sheet224 - actogram





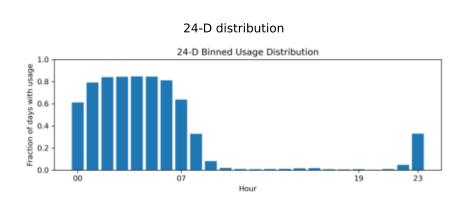
Patients\_461\_480\_sheet480 - actogram





Patients\_881\_900\_sheet881 - actogram

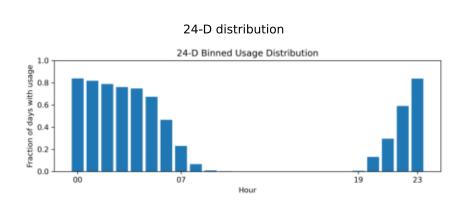




#### Cluster 14 (dpgmm) – 3 nearest

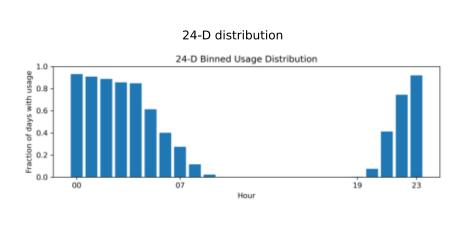
Patients\_961\_980\_sheet978 - actogram





Patients\_581\_600\_sheet590 - actogram





Patients\_361\_380\_sheet372 - actogram



