

[illegible]

(column order matches in all plots)

Heatmap visualization showing the distribution of 8 clusters across 8 categories. The color scale ranges from 300 (blue) to 700 (red). The clusters are labeled with their IDs and percentages:

Cluster ID	Percentage
3	17.84%
4	33.43%
5	7.65%
7	11.1%
1	13.03%
2	8.67%
6	4.31%
8	3.95%

Heatmap visualization showing the distribution of 1000 random samples across 8 categories. The color scale ranges from 300 (blue) to 700 (red). The categories are labeled on the right: 4 (13.01%), 7 (8.22%), 6 (52.81%), 8 (0.1%), 1 (3.24%), 5 (14.11%), 2 (4.15%), and 3 (4.36%).