$H_0 : \mu_1 = \mu_2 = \mu_3 = \mu_4 = \mu_5 = \mu_6$

$H_1 :$ *Means are not equal*

### Near the PM

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Number of clusters | | | | | | 24 | |
| Total number of molecular entities, $N$ | | | | | | 85 | |
| Number of oligomeric species, $k$ | | | | | | 6 | |

| | 1-fold | 2-fold | 3-fold | 4-fold | 5-fold | 6-fold | Grand Mean, $\overline{X}$ |
|---|---|---|---|---|---|---|---|
| Counts, $n_j$ | 30 | 19 | 9 | 14 | 8 | 5 | 14.167 |
| Counts/Cluster, $\overline{X}_j$ | 1.250 | 0.792 | 0.375 | 0.583 | 0.333 | 0.208 | 0.590 |

The test statistic*, $F_{test}$ = 3.875 > F ~ 2.3 for $df_1 = 5;\ df_2 = 79$ at $\alpha = 0.05$ **REJECT H$_0$**

$$^* F_{test} = \frac{\sum n_j (\overline{X}_j - \overline{X})^2 / (k-1)}{\sum\sum (X - \overline{X}_j)^2 / (N-k)}$$