

The graph displays the performance of four clustering methods across cluster sizes 5 to 10. The methods are represented by four line styles: solid red, dashed red, solid green, and dashed green. The solid red line is the highest, followed by the dashed red line, then the solid green line, and finally the dashed green line. All lines show a slight upward trend as the cluster size increases.

Cluster Size	Solid Red	Dashed Red	Solid Green	Dashed Green
5	0.85	0.75	0.65	0.55
6	0.85	0.75	0.65	0.55
7	0.85	0.75	0.65	0.55
8	0.85	0.75	0.65	0.55
9	0.85	0.75	0.65	0.55
10	0.85	0.75	0.65	0.55

The graph displays the Type-I error rate for three procedures: ANOVA (solid lines), MCTP (dashed lines), and Wald (dash-dot lines). The x-axis represents the number of clusters (5 to 10), and the y-axis represents the Type-I error (0.00 to 0.15+). The Wald procedure shows a significant increase in error rate as the number of clusters increases, while ANOVA and MCTP remain relatively stable around 0.05. The red lines represent a higher error rate, possibly for a different procedure or parameter setting.

Clustersize	ANOVA (Red)	ANOVA (Green)	ANOVA (Blue)	MCTP (Red)	MCTP (Green)	MCTP (Blue)	Wald (Red)	Wald (Green)	Wald (Blue)
5	0.150	0.120	0.060	0.140	0.080	0.050	0.145	0.080	0.030
6	0.145	0.110	0.060	0.130	0.085	0.050	0.140	0.080	0.030
7	0.140	0.105	0.060	0.125	0.090	0.050	0.135	0.080	0.030
8	0.135	0.095	0.060	0.115	0.095	0.050	0.130	0.080	0.030
9	0.130	0.085	0.060	0.105	0.100	0.050	0.125	0.080	0.030
10	0.125	0.080	0.060	0.100	0.110	0.050	0.120	0.080	0.030

The graph displays the Type-I error rate on the y-axis (ranging from 0.05 to 0.20) against the Clustersize on the x-axis (ranging from 5 to 10). Three sample sizes are compared: 12 (red lines), 15 (green lines), and 20 (blue lines). For each sample size, there are two lines: a solid line and a dashed line. The solid lines generally show a decreasing trend in Type-I error as clustersize increases, while the dashed lines remain relatively flat or show a slight increase. At clustersize 10, there is a significant spike in error for all sample sizes, indicated by vertical dashed lines extending beyond the top of the plot area.

Clustersize	Sample Size 12 (Solid)	Sample Size 12 (Dashed)	Sample Size 15 (Solid)	Sample Size 15 (Dashed)	Sample Size 20 (Solid)	Sample Size 20 (Dashed)
5	0.12	0.13	0.08	0.09	0.12	0.13
6	0.11	0.125	0.075	0.088	0.115	0.132
7	0.095	0.122	0.07	0.086	0.108	0.135
8	0.085	0.118	0.065	0.084	0.102	0.136
9	0.072	0.115	0.058	0.082	0.095	0.138
10	0.06	0.11	0.05	0.08	0.09	0.14