**This gives us tests of q = 2, 4, 6**

Designs, all p = q = 2; k = 1, 2, or 3 (same in each cluster; equi-correlated ρ = .8)

[1] [1/3] [1/3] [1/3] in each of m clusters (same);

[2] [.6] [.3] [.1] in each of m clusters (same);

[3] [1/3] [1/3] [1/3] at cluster level (each cluster in one bin);

[4] [.6] [.3] [.1] at cluster level (each cluster in one bin);

[5] 1/2 clusters: [1] [0] [0]

1/2 clusters: [1/3] [1/3] [1/3]

[6] 2/3 clusters: [1] [0] [0]

1/3 clusters: [1/3] [1/3] [1/3]

[7] ½ clusters: [1] [0] [0]

½ clusters: [.6] [.3] [.1]

[8] 2/3 clusters: [1] [0] [0]

1/3 clusters: [.6] [.3] [.1]

For each of these:

[a] Error structure = compound symmetric + treatment heterogeneity

--function of ICC = {0, .2, .4}

[b] Working model = I for all; IK(known ICC) only for subset (conditions [3][4])

🡪 8 structures x 3 (k) x 3 (ICC) x 2 (WM)