

I. Optimal number of clusters found - total within-cluster inertia

Dataset	"Natural" number of classes	Optimal number of clusters found with						
		SCT	SCCT	FE	PSDFE	RSP	LF	Louvain method
News_2cl_1	2	5	3	5	4	4	4	6,2333
News_2cl_2	2	6	5	6	6	5	6	7,7667
News_2cl_3	2	5	3	4	4	4	5	5,2333
News_3cl_1	3	4	4	5	4	4	4	5,5333
News_3cl_2	3	5	3	5	6	6	5	7,3667
News_3cl_3	3	4	3	4	4	3	5	6,5000
News_5cl_1	5	6	5	6	6	6	6	6,9333
News_5cl_2	5	6	4	5	5	5	6	7,1333
News_5cl_3	5	6	4	5	5	5	6	6,9333
LFR1	3	7	4	7	7	7	7	3,0333
LFR3	6	5	5	5	5	5	5	4,9333
Polbooks	3	2	2	3	3	3	3	3,3000
School-11	11	7	4	6	6	7	7	5,1667
School-6	6	7	4	6	6	7	7	5,0667
Zachary	2	4	2	4	6	4	4	3,0667
Football	12	5	4	9	9	8	8	4,8333