

K-MEANS clustering – solution with 4 centroids

Initial centroids					Final centroids				
Cluster					Cluster				
	1	2	3	4		1	2	3	4
D1	1	0	1	0	D1	1	0	1	0
D2	1	1	0	0	D2	1	0	0	0
D3	0	1	1	0	D3	0	1	1	0
D4	0	0	0	1	D4	0	0	0	1

Chronology of iterations				
Changes in centroids				
Iteration	1	2	3	4
1	,453	,986	,250	,125
2	,000	,000	,000	,000

Last iteration: n.2. Minimum distance among initial centroids = 1,414.

Distances among final centroids					Events in each cluster	
Cluster	1	2	3	4	Cluster	
1		1,411	1,196	1,306	1	40
2	1,411		1,031	1,359	2	74
3	1,196	1,031		1,526	3	4
4	1,306	1,359	1,526		4	48
					Valid values	166
					Missing values	0

Data clustering		
Accident code	Cluster	Distance
5219939	1	,453
5227991	4	,921
5233706	3	,250
5239917	4	,125
5254605	4	,125
5257403	1	,453
5260843	4	,125
5261118	3	,250
5280312	1	,453
5308022	2	,014
5359460	2	,014
5378910	2	,986
5394558	1	,637
5403597	2	,014
5416898	2	,014
5417846	1	,637
5428959	2	,014
5456762	2	,014
5473077	4	,125
5481687	2	,014
5512971	4	,921
5514923	1	,898
5519303	2	,014
5523204	2	,014
5544853	2	,014
5568913	2	,014
5587154	2	,014
5605881	2	,014
5609072	2	,014
5627224	1	,637
5658559	3	,750
5689032	4	,125
5702914	4	,125
5708917	2	,014
5717895	1	,453
5723126	1	,453

5743408	2	,014
5752074	2	,014
5755027	1	,637
4739188	1	1,027
4776570	4	,921
4827243	2	,014
4840851	2	,014
4951411	2	,014
4963029	4	,125
4979023	2	,014
4986025	4	,125
4999394	4	,125
4999437	2	,014
4999779	4	,921
5005113	4	,125
5005899	4	,125
5029586	4	,125
5044215	2	,014
5044491	4	,125
5069991	1	,637
5109421	2	,014
5151475	2	,014
5190445	1	,453
5196809	4	,921
4162463	2	,014
4167309	4	,921
4168594	2	,014
4180848	4	,921
4234293	4	,125
4246090	2	,014
4255807	2	,014
4271650	4	,125
4293580	1	,453
4295226	2	,014
4321903	2	,014
4321903	2	,014
4358573	1	,453
4360833	2	,014

4363365	4	,125
4408097	2	,014
4419919	2	,014
4435262	4	,125
4475477	2	,014
4489977	4	,125
4493764	2	,014
4531051	1	,637
4601598	2	,014
4628041	4	,125
4629696	2	,014
4652214	1	,637
4655205	2	,014
4662933	4	,966
4686843	2	,014
4687998	1	,637
4697683	2	,014
3632915	1	,898
3666152	1	,453
3666869	1	,637
3684188	1	1,027
3689046	1	,453
3704802	4	,125
3715452	1	1,027
3719481	2	,014
3721356	2	,014
3757503	1	,637
3762778	2	,014
3777515	4	,125
3777525	4	,125
3782633	2	,014
3793888	2	,014
3803506	4	,125
3805722	1	,637
3808337	1	,637
3824879	1	,637
3846932	1	,898
3867080	4	,125

3879665	2	,014
3890568	4	,125
3903958	4	,125
3974131	2	,014
3987602	2	,014
4021663	2	,014
4022125	1	,453
4039669	4	,125
4061456	1	,453
4077421	4	,125
4081552	1	,898
4096596	1	,637
4100323	2	,014
4101461	4	,966
4109205	1	,637
4111072	4	,125
4133804	2	,014
4134516	1	,637
4158340	4	,921
3130668	2	,014
3147874	1	,453
3147909	4	,125
3151192	4	,125
3179134	2	,014
3182209	4	,125
3204696	4	,125
3215535	2	,014
3219461	2	,014
3256654	2	,014
3295676	4	,125
3318142	2	,014
3319296	2	,014
3319313	2	,014
3320645	1	,898
3348705	2	,014
3359404	1	,898
3388179	1	,898
3391823	2	,014

3417209	2	,014
3418750	2	,014
3419407	4	,125
3442738	2	,014
3454027	4	,125
3457245	4	,125
3461600	2	,014
3475945	1	,898
3508834	4	,125
3520037	2	,014
3523516	2	,014
3556665	2	,014
3575318	3	,250
3607483	2	,014
3610430	2	,014
3611638	2	,014