Clustering output, found in/home/pauline/Research/m83_clustering/results/broad_narrow/SII_I/clustering/mag05_673-mag05_814_mag05_336-mag05_555

K-means results

Nclust	inertia	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8
3	3198.4465483	0.446323095131	14586	8345	4549	1692	0	0	0	0	0
4	2596.02028642	0.361504415579	14586	6242	4604	2670	1070	0	0	0	0
5	2182.92214125	0.367918842268	14586	6067	4279	2282	1031	927	0	0	0
6	1827.82471452	0.361507169508	14586	5036	3869	2155	1771	983	772	0	0
7	1565.73466669	0.347401738563	14586	4035	3605	2561	1538	1486	730	631	0
8	1397.47106882	0.354953137355	14586	4342	2793	2211	1705	1282	1118	607	528

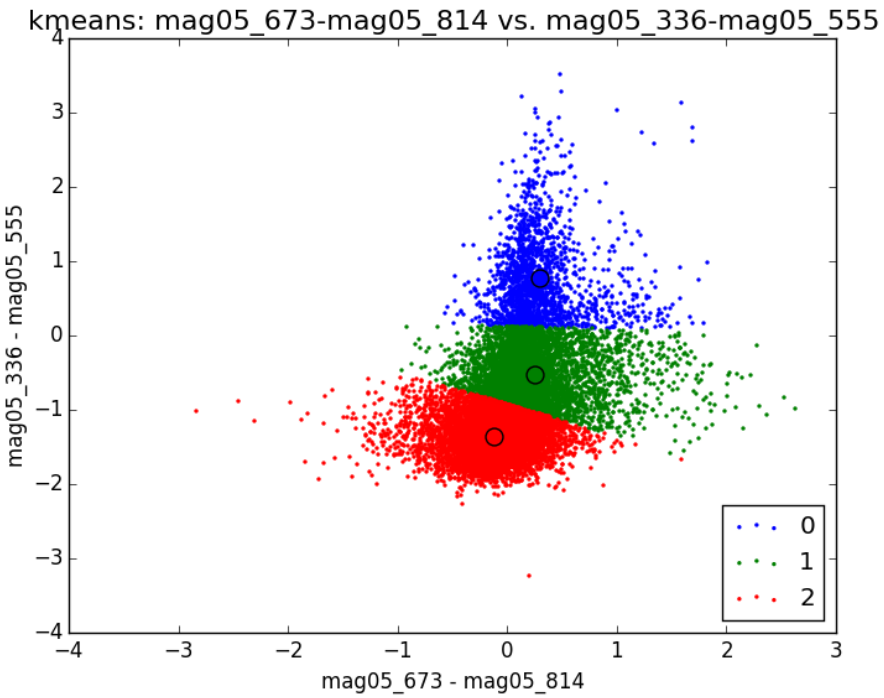

Figure 1: kmeans_col_3cl_mag05_673-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=3

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1692	0.446323095131	0.421451271761	0.7444	0.7663	3.6223	0.001	0.5178	0.302059692671	0.
2	4549	0.446323095131	0.326574263967	0.5497	0.6123	3.723	0.001	0.5319	0.254328863486	-0
3	8345	0.446323095131	0.516643114078	1.0116	0.4818	4.4745	0.0	0.687	-0.115026722588	-1

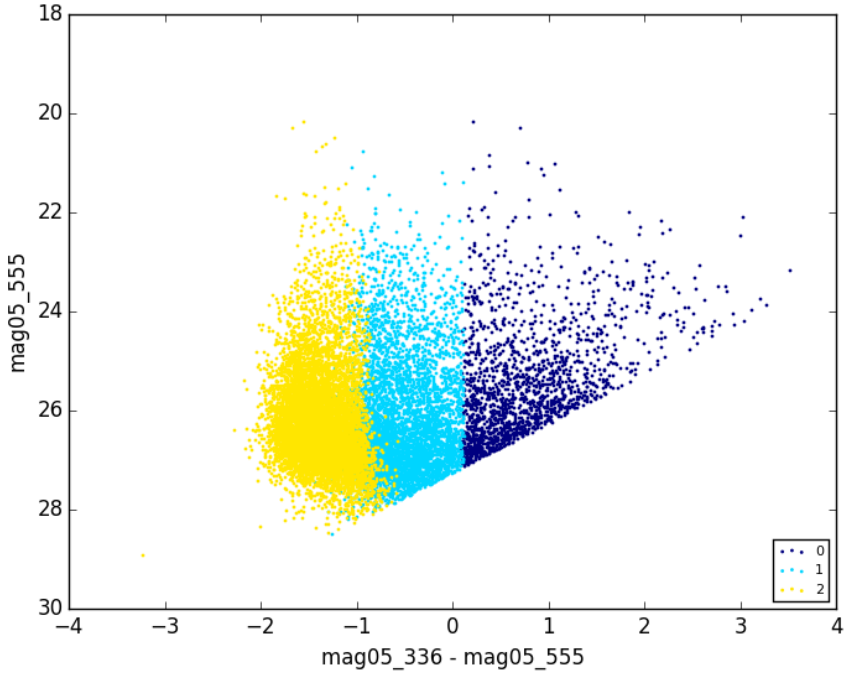

Figure 2: kmeans_CMD_3cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=4

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1070	0.361504415579	0.444979143718	0.8772	0.6822	3.3743	0.001	0.5754	0.269028971963	1
2	4604	0.361504415579	0.303026455256	0.7038	0.4706	3.4838	0.0	0.5794	0.110172024327	-0
3	2670	0.361504415579	0.291957821386	0.4496	0.6136	3.723	0.001	0.4355	0.350371161049	-0
4	6242	0.361504415579	0.420076023511	1.0747	0.4275	3.85	0.0	0.6997	-0.163802467158	-

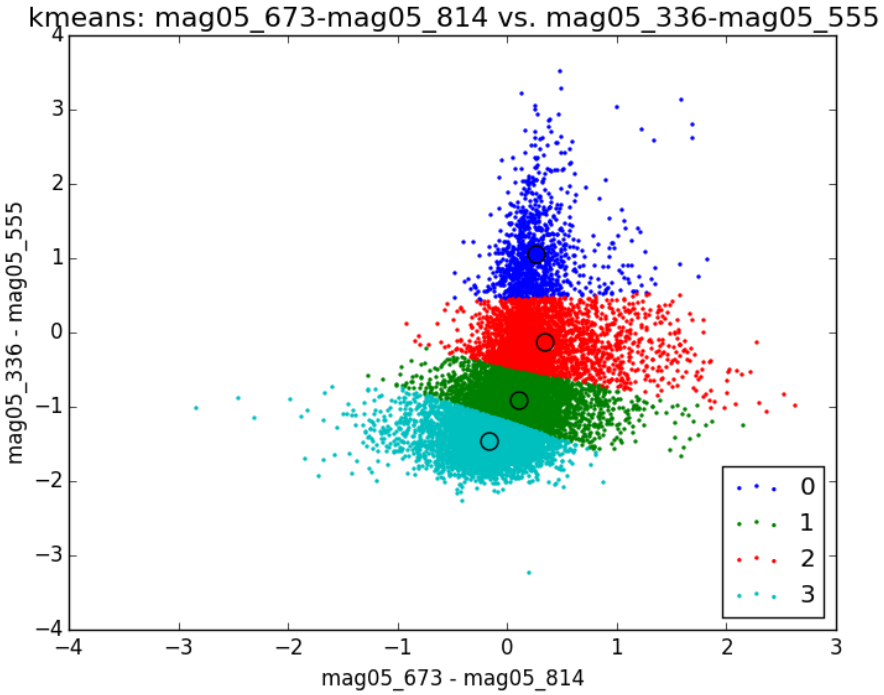

Figure 3: kmeans_col_4cl_mag05_673-mag05_814vsmag05_336-mag05_555.png

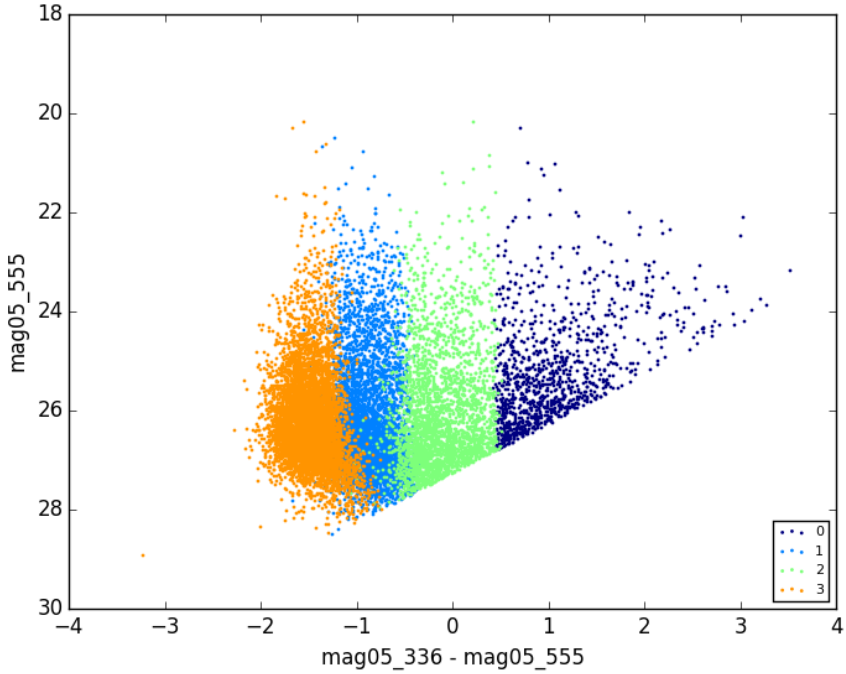

Figure 4: kmeans_CMD_4cl_mag05_336-mag05_555vsmag05_555.png

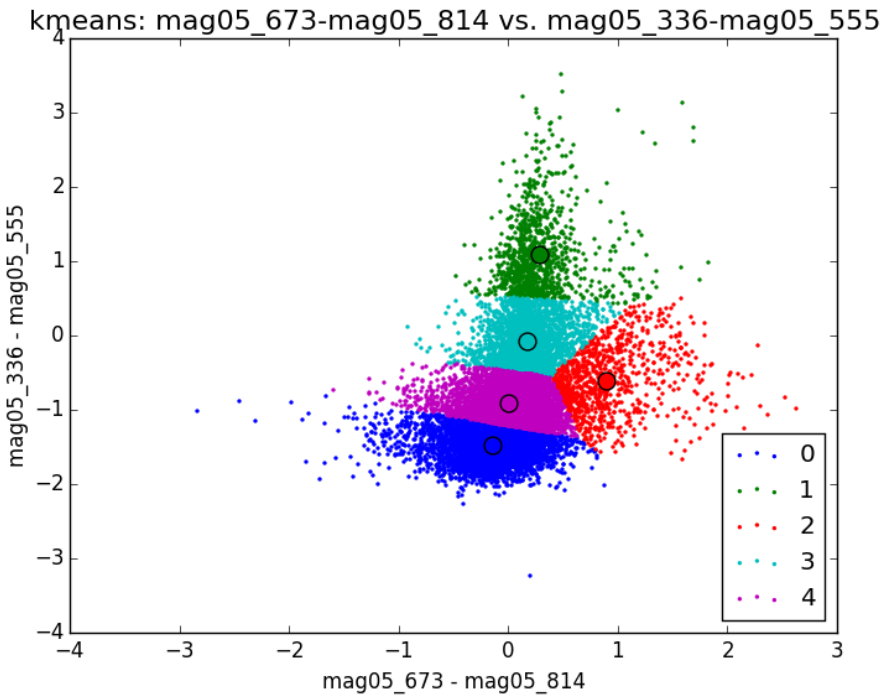

Figure 5: kmeans_col_5cl_mag05_673-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=5

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	6067	0.367918842268	0.398483634928	1.0836	0.4164	3.85	0.0	0.7166	-0.140731333443
2	1031	0.367918842268	0.407432445761	0.894	0.687	3.1944	0.001	0.5784	0.286319107662
3	927	0.367918842268	0.213234256341	0.8633	0.6781	2.2761	0.001	0.8506	0.902685005394
4	2282	0.367918842268	0.397813566456	0.2932	0.4587	1.9468	0.001	0.2896	0.175059158633
5	4279	0.367918842268	0.332629692536	0.6866	0.4125	2.3038	0.0	0.5165	0.00712245851835

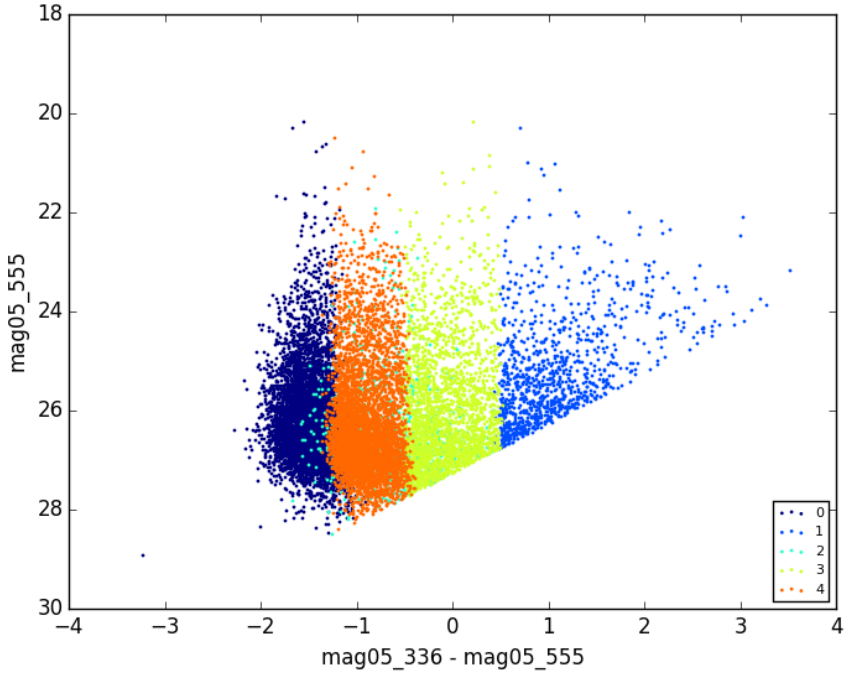

Figure 6: kmeans_CMD_5cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=6

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	2155	0.361507169508	0.38724373289	0.2877	0.4556	1.912	0.001	0.2802	0.17600649652
2	3869	0.361507169508	0.347329552057	0.6476	0.3787	1.5684	0.0	0.5143	0.074825794779
3	5036	0.361507169508	0.414033661074	1.0716	0.3321	2.1023	0.0	0.7636	-0.0123417394758
4	983	0.361507169508	0.409895409374	0.9068	0.6749	3.1528	0.001	0.5852	0.280896236012
5	1771	0.361507169508	0.241962750857	1.0254	0.4474	2.659	0.001	0.4668	-0.52874647092
6	772	0.361507169508	0.230697612433	0.8797	0.6871	2.4211	0.001	0.8473	0.986756476684

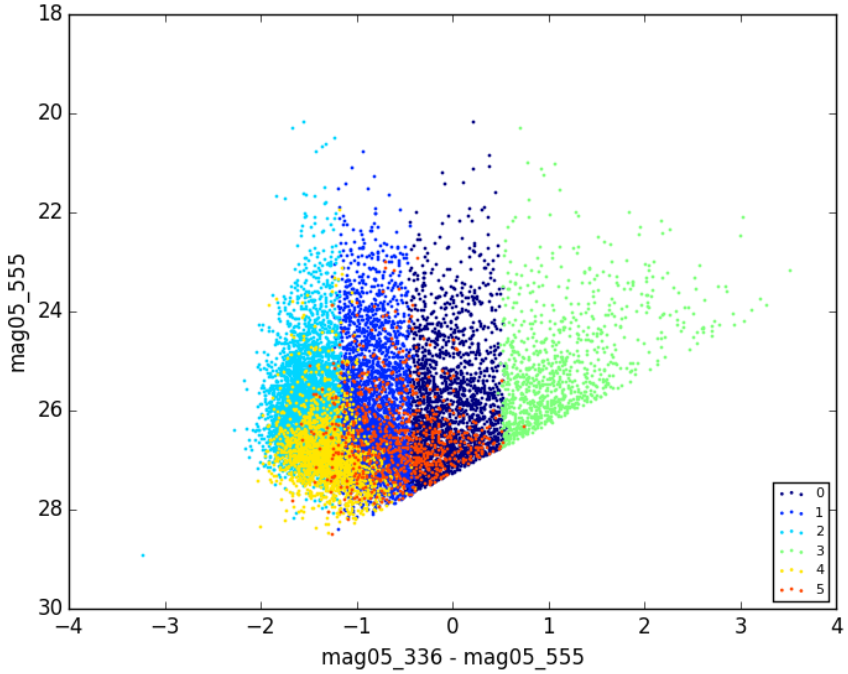

Figure 7: kmeans__CMD__6cl__mag05__336-mag05__555vsmag05__555.png

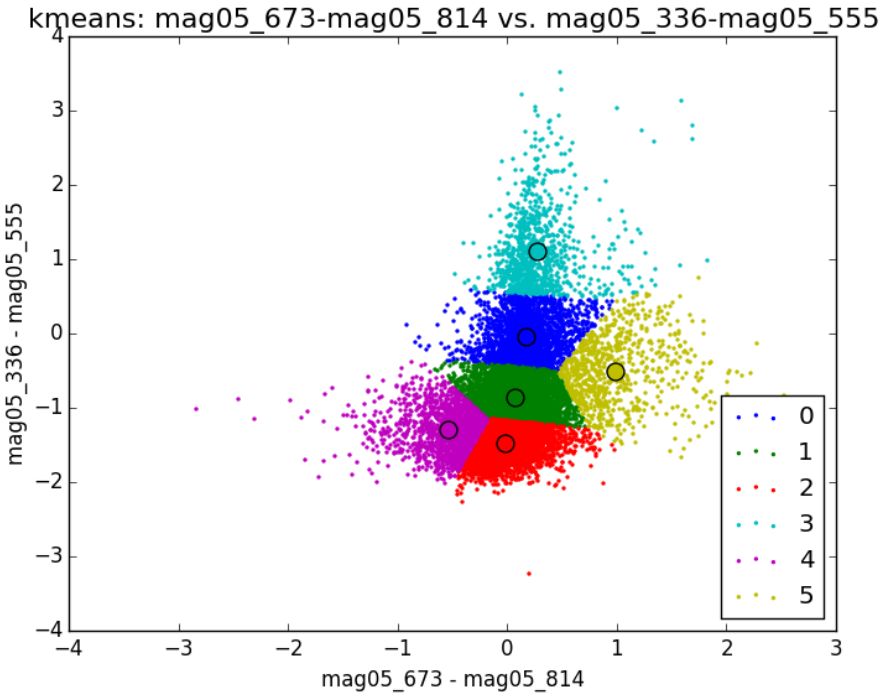

Figure 8: kmeans__col__6cl__mag05__673-mag05__814vsmag05__336-mag05__555.png

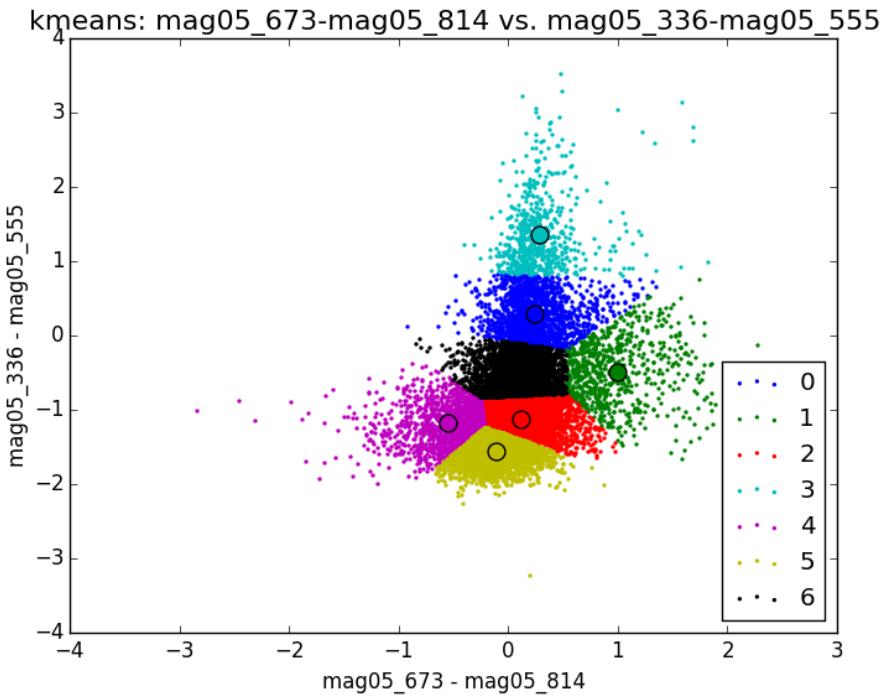

Figure 9: kmeans_col_7cl_mag05_673-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=7

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1538	0.347401738563	0.360309975849	0.3727	0.4688	2.3342	0.001	0.2662	0.24522626788	0
2	730	0.347401738563	0.239208767709	0.8776	0.6686	2.4211	0.001	0.8422	0.99617260274	-0
3	3605	0.347401738563	0.306268176016	0.8254	0.3349	1.4041	0.0	0.6537	0.120961997226	-
4	631	0.347401738563	0.411843097191	1.0567	0.6403	2.8799	0.001	0.6634	0.291480190174	1
5	1486	0.347401738563	0.240050066953	0.9651	0.4497	2.6378	0.001	0.4166	-0.550679004038	-
6	4035	0.347401738563	0.417068450808	1.1216	0.2996	2.0284	0.0	0.7521	-0.099741511772	-
7	2561	0.347401738563	0.365039925041	0.4218	0.3705	1.5251	0.001	0.3619	0.0798668488872	-

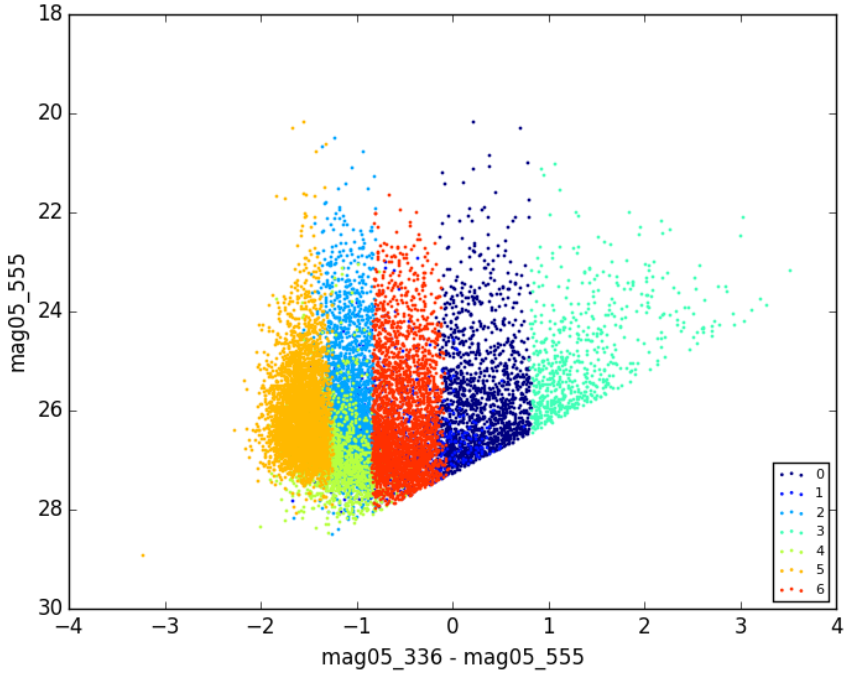

Figure 10: kmeans_CMD_7cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=8

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1282	0.354953137355	0.375181701852	0.4138	0.4464	1.9489	0.001	0.2676	0.224866614665	
2	528	0.354953137355	0.394751402723	1.1161	0.6331	2.8003	0.001	0.6943	0.300791666667	
3	2211	0.354953137355	0.358577571432	0.3509	0.3684	1.6681	0.001	0.3279	0.12929488919	-
4	2793	0.354953137355	0.35308185618	0.7094	0.2935	1.1697	0.0	0.4766	-0.0785338345865	-
5	607	0.354953137355	0.249556545211	0.8668	0.6557	2.4211	0.0014	0.7856	1.05500164745	-
6	1705	0.354953137355	0.248513625962	0.8808	0.37	1.5879	0.001	0.7906	0.372823460411	
7	4342	0.354953137355	0.428848431726	1.1016	0.2945	2.034	0.0	0.7452	-0.0851015660986	
8	1118	0.354953137355	0.243028352897	1.057	0.4459	2.5526	0.001	0.4246	-0.636881037567	

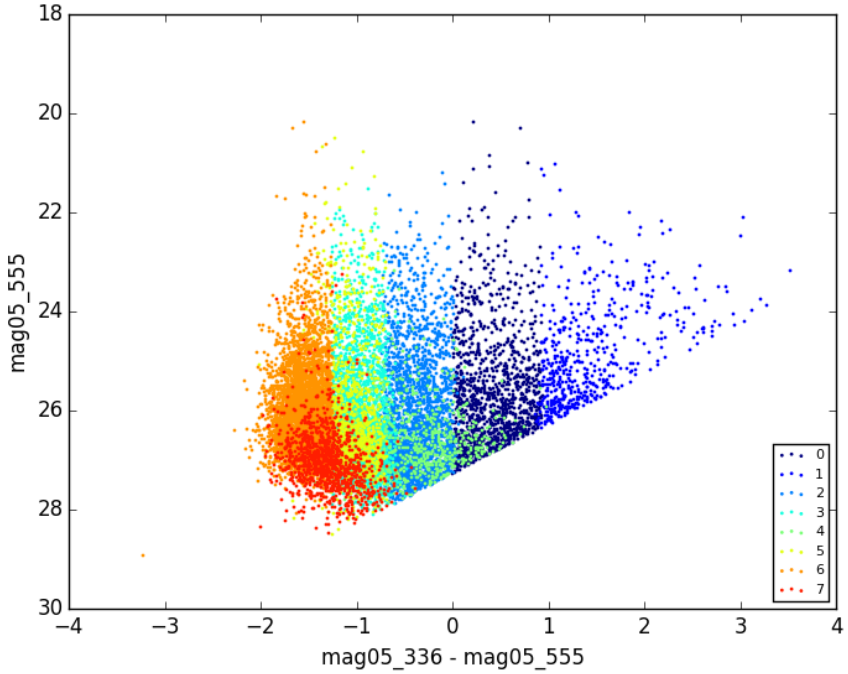

Figure 11: kmeans_CMD_8cl_mag05_336-mag05_555vsmag05_555.png

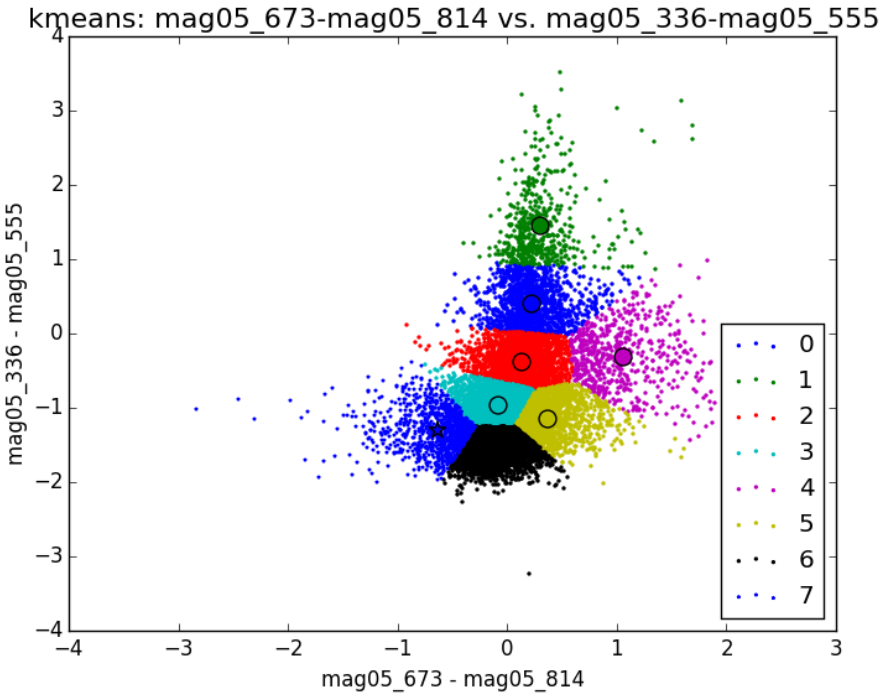

Figure 12: kmeans_col_8cl_mag05_673-mag05_814vsmag05_336-mag05_555.png

Meanshift results

Bandw	Nclust	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10