Clustering output, found in/home/pauline/Research/m83_clustering/results/broad_band/U-V_B-I/clustering/mag05_438-mag05_814_mag05_336-mag05_555

K-means results

Nclust	inertia	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8
3	7773.38653568	0.42750272793	28931	15839	10451	2641	0	0	0	0	0
4	6343.75628344	0.354308822733	28931	11085	10625	5400	1821	0	0	0	0
5	5235.48816764	0.358782181147	28931	10930	10322	4876	1911	892	0	0	0
6	4536.23689681	0.347770658547	28931	10470	9299	4877	2611	845	829	0	0
7	3969.5349198	0.322290094559	28931	7761	7537	5899	4108	2218	734	674	0
8	3483.94121092	0.327008657037	28931	7160	6162	5581	4600	2653	1717	561	497

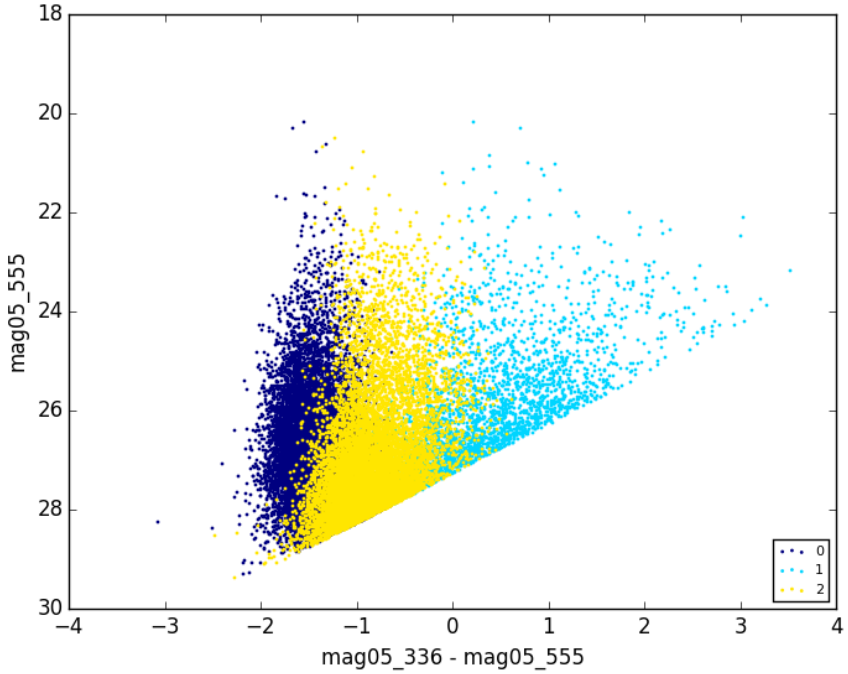

Figure 1: kmeans_CMD_3cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=3

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	15839	0.42750272793	0.51049264062	1.0066	0.4734	3.0973	0.0	0.6838	-0.109960351032	-1
2	2641	0.42750272793	0.245938338237	1.3814	1.2705	4.994	0.0	0.9566	1.60455130632	0.
3	10451	0.42750272793	0.347609351803	0.8369	0.6137	4.0174	0.0	0.8306	0.649789780882	-0

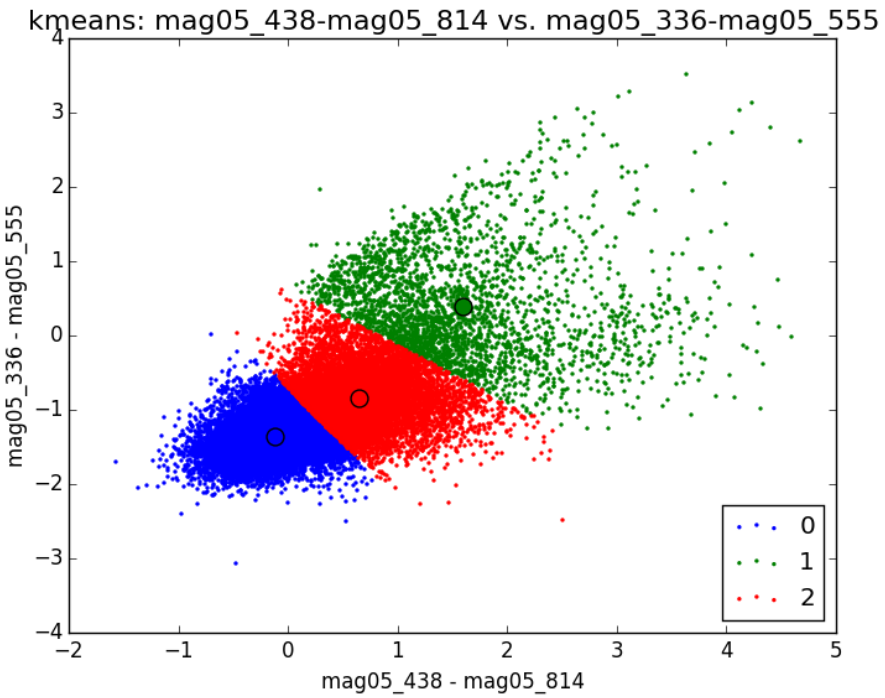

Figure 2: kmeans_col_3cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=4

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	10625	0.354308822733	0.438966223448	1.0703	0.4037	2.6006	0.0	0.6553	-0.233012705882	-
2	1821	0.354308822733	0.20568150746	1.5288	1.3141	4.994	0.0	0.9552	1.77036847886	0
3	11085	0.354308822733	0.346490371667	0.8338	0.4379	3.1339	0.0	0.7367	0.302642038791	-
4	5400	0.354308822733	0.253907524321	0.8895	0.6905	4.0174	0.0	0.8696	0.960007962963	-0

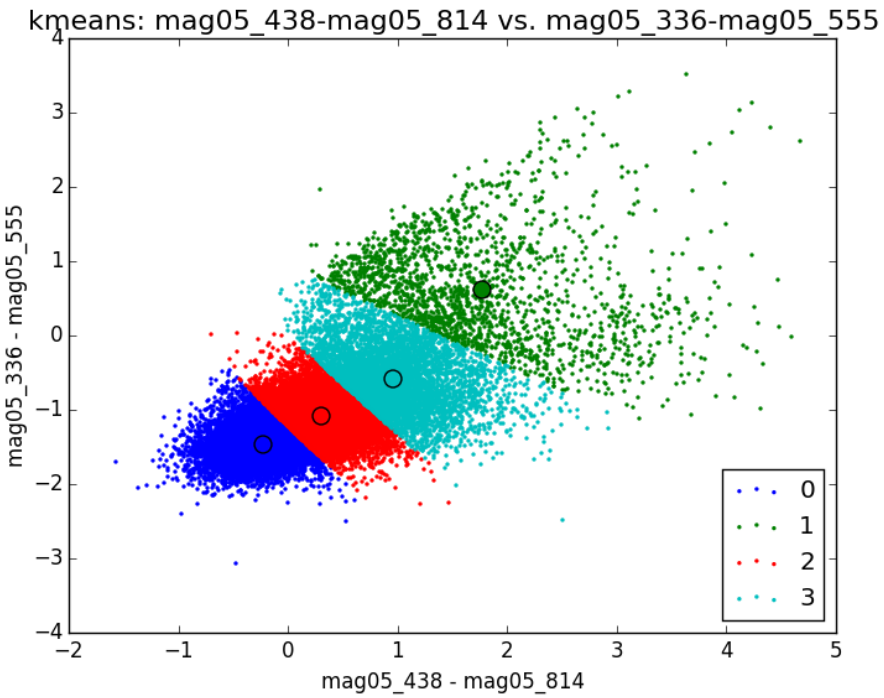

Figure 3: kmeans_col_4cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

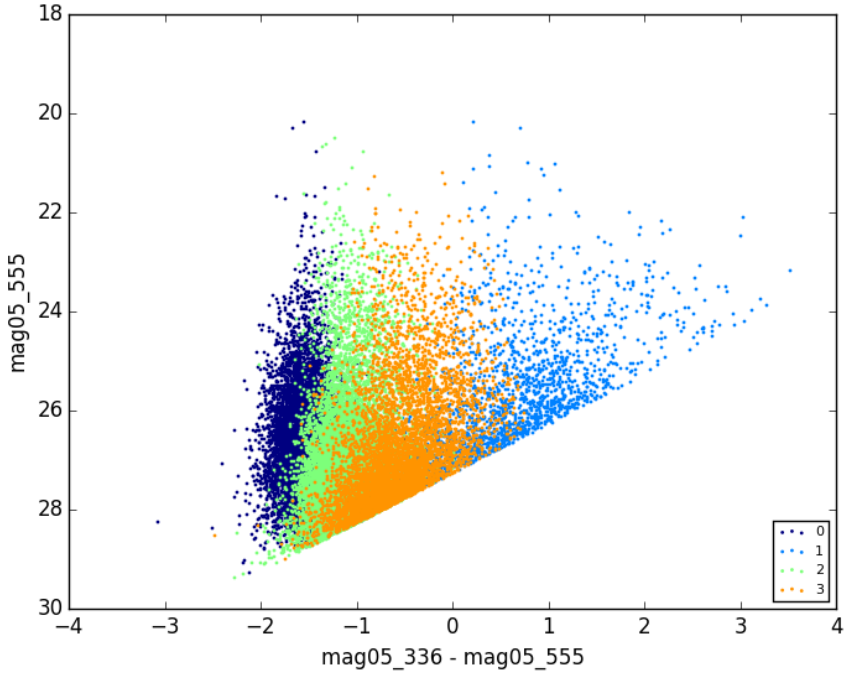

Figure 4: kmeans_CMD_4cl_mag05_336-mag05_555vsmag05_555.png

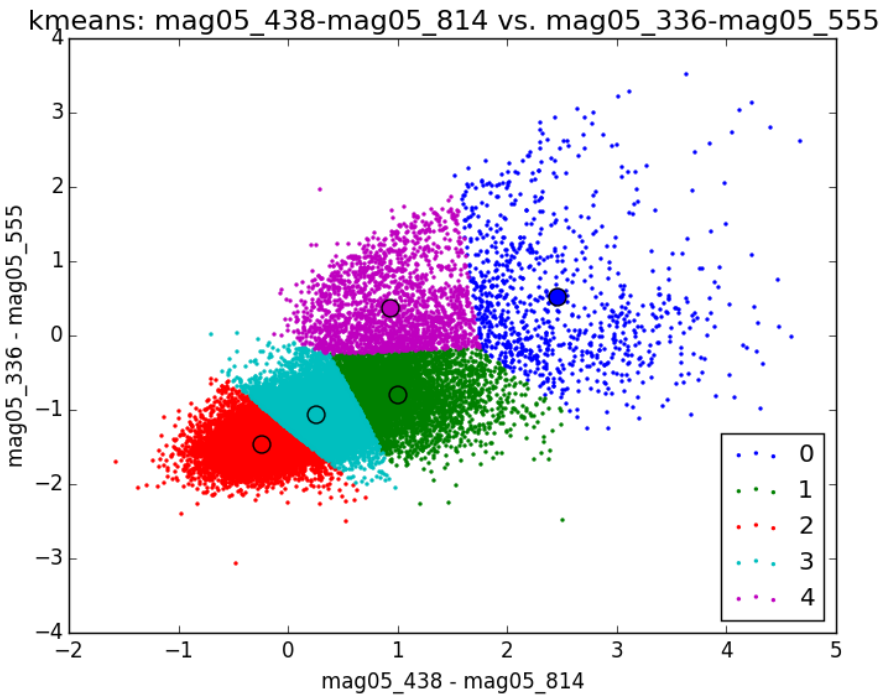

Figure 5: kmeans_col_5cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=5

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	892	0.358782181147	0.210877828258	1.9319	1.323	4.863	0.001	1.237	2.45680044843	0
2	4876	0.358782181147	0.29597367006	0.9616	0.579	3.0721	0.0	0.9561	0.999476825267	-0
3	10322	0.358782181147	0.435568476467	1.0794	0.3989	2.5041	0.0	0.6603	-0.234253633017	-
4	10930	0.358782181147	0.332285980443	0.8124	0.4282	2.6619	0.0	0.7063	0.261493046661	-
5	1911	0.358782181147	0.324873398436	0.8342	0.7833	2.5843	0.0	0.5244	0.932413919414	0

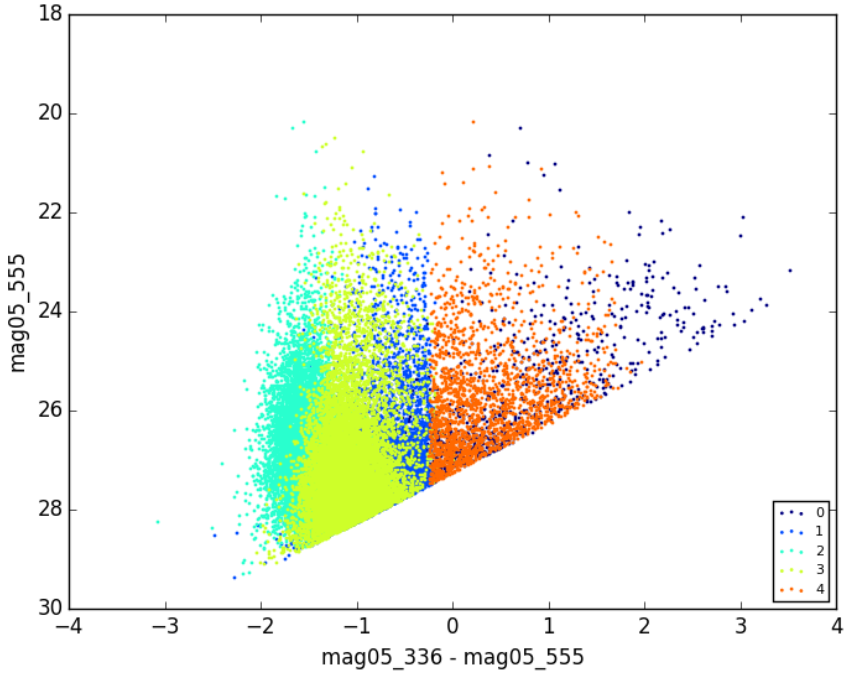

Figure 6: kmeans_CMD_5cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=6

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	829	0.347770658547	0.302258817565	1.5022	0.9994	4.6666	0.0	0.6301	1.56734740651	
2	2611	0.347770658547	0.27735532719	0.6751	0.6346	2.0834	0.001	0.5762	0.803984297204	-(
3	4877	0.347770658547	0.304866791702	0.9576	0.4918	2.8131	0.0	0.9568	0.87606725446	-(
4	9299	0.347770658547	0.417618227669	1.0952	0.3861	2.5041	0.0	0.6564	-0.258808151414	-
5	10470	0.347770658547	0.330620564452	0.8222	0.3951	2.4712	0.0	0.6854	0.193690162369	-
6	845	0.347770658547	0.301468699818	1.769	0.9805	3.6177	0.0014	1.4045	2.36037633136	-(

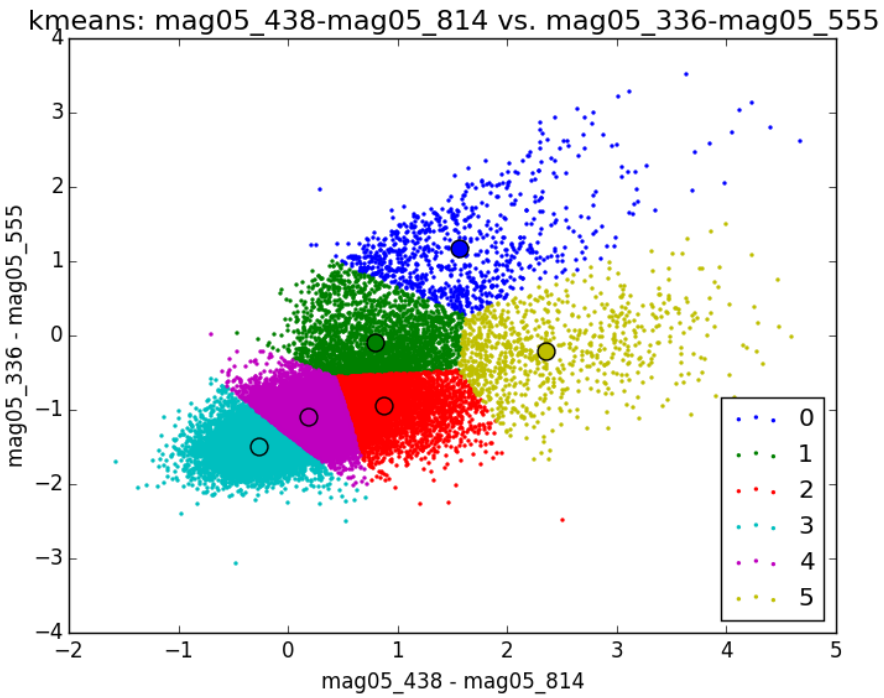

Figure 7: kmeans_col_6cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

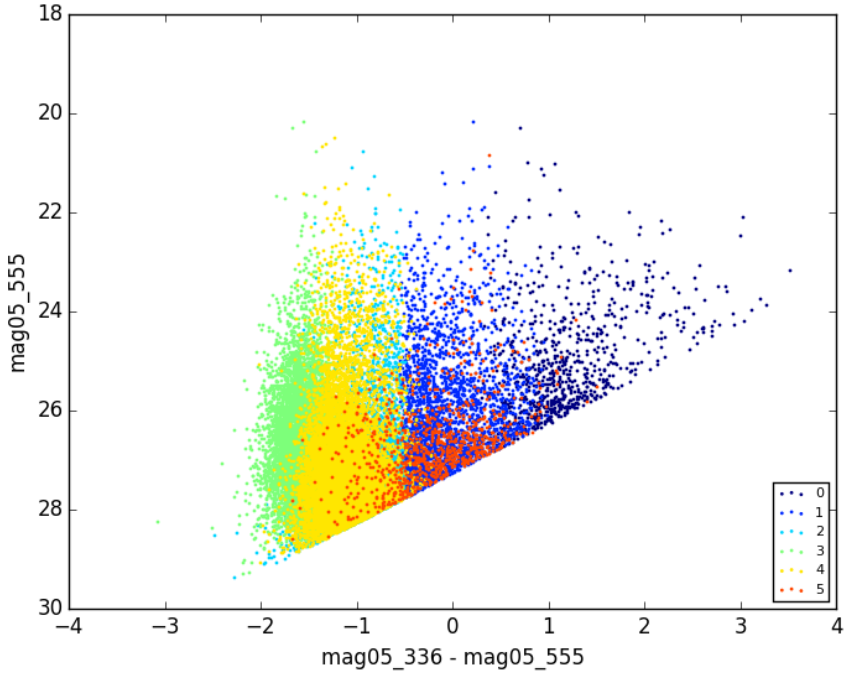

Figure 8: kmeans_CMD_6cl_mag05_336-mag05_555vsmag05_555.png

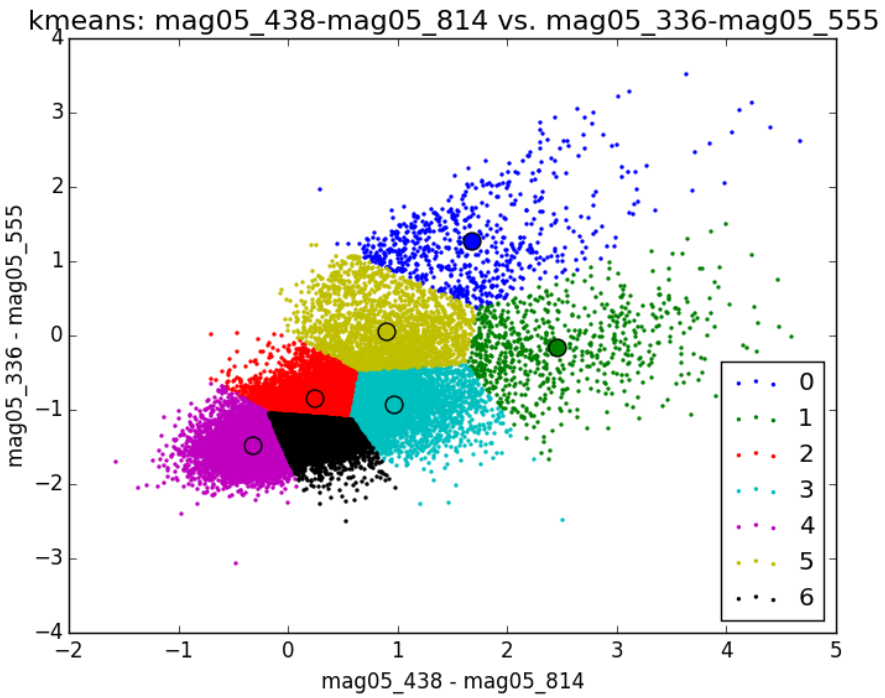

Figure 9: kmeans_col_7cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

kmeans results, Ncl=7

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	674	0.322290094559	0.304271406397	1.6027	0.9959	4.4399	0.001	0.6281	1.68386498516	1.
2	734	0.322290094559	0.314999130517	1.8299	0.9699	3.5572	0.0014	1.4264	2.4588746594	-0.
3	5899	0.322290094559	0.284771004772	0.6586	0.3811	1.7178	0.0	0.5863	0.244719783014	-0.
4	4108	0.322290094559	0.306943338535	0.9919	0.4963	2.7238	0.0	0.9917	0.972003894839	-0.
5	7761	0.322290094559	0.362976568499	1.0959	0.3703	2.4241	0.0	0.6192	-0.32247635614	-1
6	2218	0.322290094559	0.284631421988	0.7338	0.6546	2.099	0.0	0.5637	0.896798467087	0.0
7	7537	0.322290094559	0.331527849546	0.9708	0.3265	1.6044	0.0	0.784	0.188963513334	-1

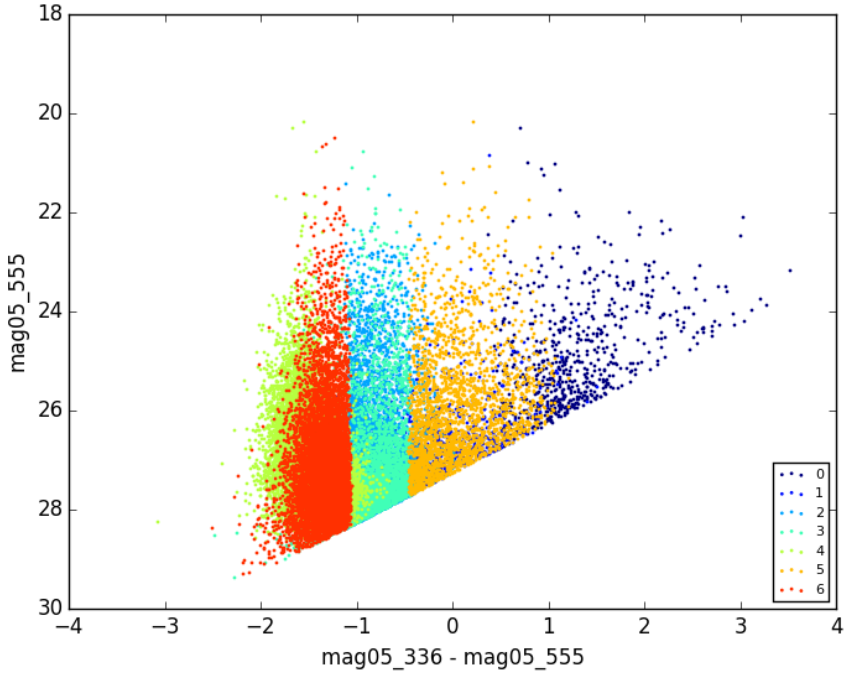

Figure 10: kmeans_CMD_7cl_mag05_336-mag05_555vsmag05_555.png

kmeans results, Ncl=8

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	2653	0.327008657037	0.271091985185	1.0805	0.54	2.6768	0.001	1.0625	1.21309913306
2	4600	0.327008657037	0.324210724978	0.6539	0.3797	1.484	0.0	0.6446	0.497775652174
3	5581	0.327008657037	0.2857666002	0.9892	0.3459	1.7236	0.0	0.8733	0.385919190109
4	7160	0.327008657037	0.382525672817	1.1354	0.3476	2.1239	0.0	0.6576	-0.299218435754
5	1717	0.327008657037	0.297725821429	0.7988	0.6869	1.9993	0.0	0.5124	0.952346534653
6	497	0.327008657037	0.319971733457	1.7526	0.9812	4.4248	0.001	0.6231	1.86069215292
7	6162	0.327008657037	0.331997932965	0.7962	0.3099	1.6352	0.0	0.555	-0.0448829925349
8	561	0.327008657037	0.357168310523	1.9455	0.931	3.2082	0.002	1.4593	2.64528698752

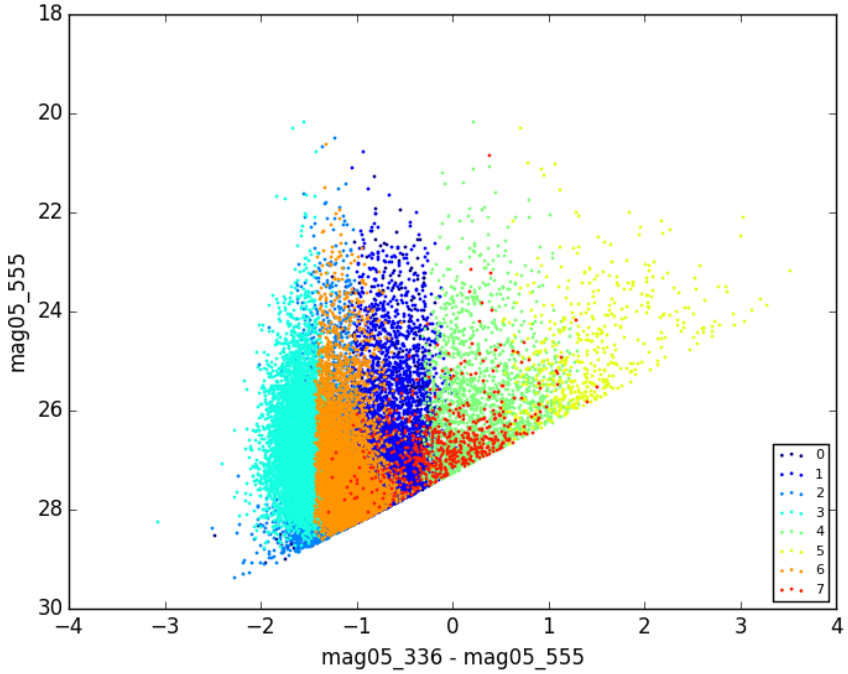

Figure 11: kmeans_CMD_8cl_mag05_336-mag05_555vsmag05_555.png

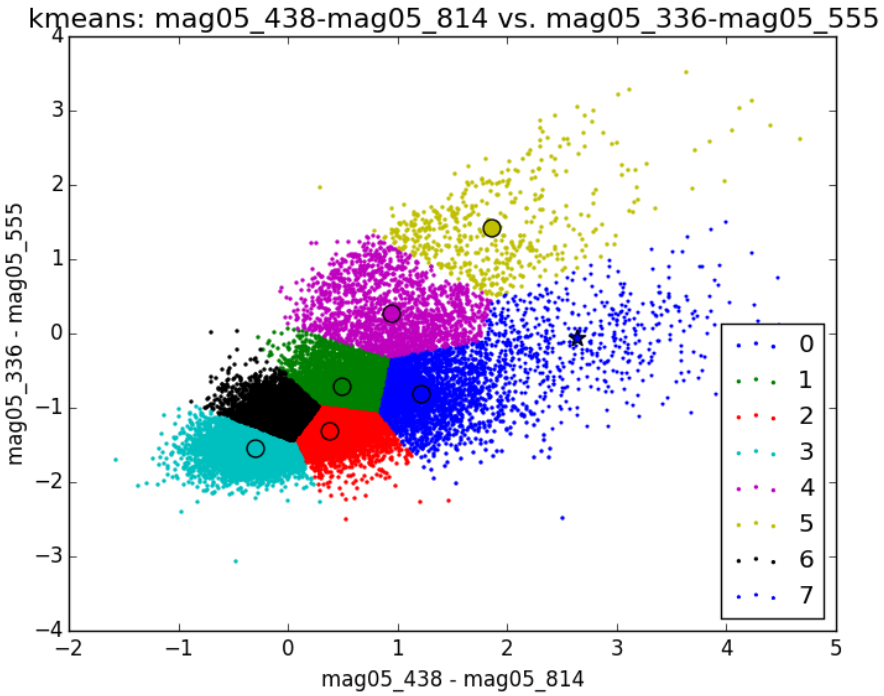

Figure 12: kmeans_col_8cl_mag05_438-mag05_814vsmag05_336-mag05_555.png

Meanshift results

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