

K-means results

Nclust	inertia	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8
3	1192.61321901	0.468203836656	8559	5812	1807	940	0	0	0	0	0
4	913.154238838	0.378071004963	8559	4199	2852	759	749	0	0	0	0
5	784.541502503	0.351836037887	8559	3840	2016	1427	679	597	0	0	0
6	682.401633958	0.318746830988	8559	2638	2106	1705	1052	597	461	0	0
7	601.64291211	0.311239279484	8559	2275	2086	1625	1215	756	422	180	0
8	531.892306804	0.320012758293	8559	1872	1858	1743	1132	907	614	312	121

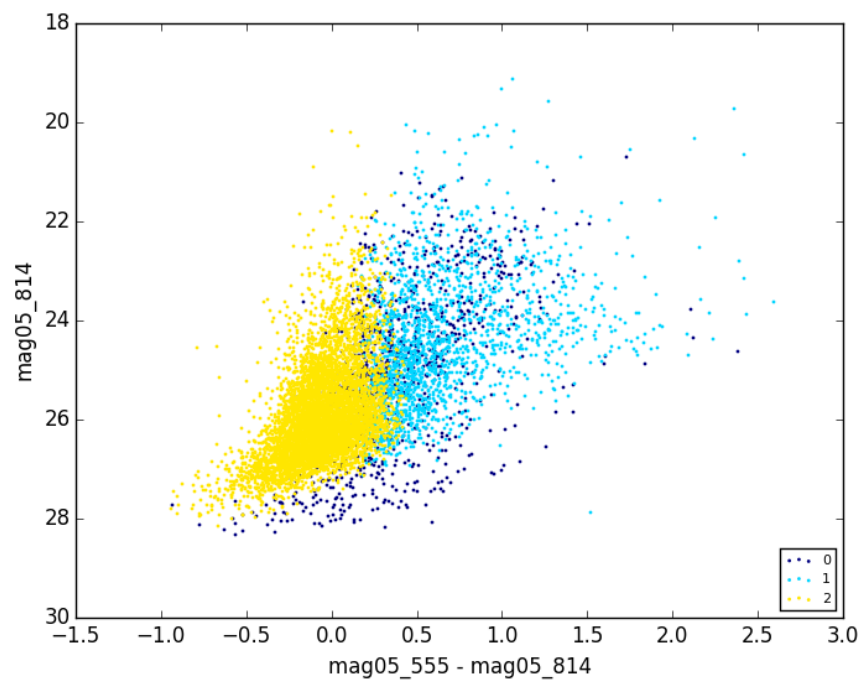


Figure 1: kmeans_CMD_3cl_mag05_555-mag05_814vsmag05_814.png

kmeans results, Ncl=3

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	940	0.468203836656	0.319102934767	0.7513	0.6719	3.6737	0.0010	0.4533	0.792910638298
2	1807	0.468203836656	0.301355760543	0.5666	0.5314	2.5272	0.0010	0.4814	-0.0623342556724
3	5812	0.468203836656	0.544193052297	0.3200	0.3681	2.3187	0.0000	0.2514	-0.336765141087

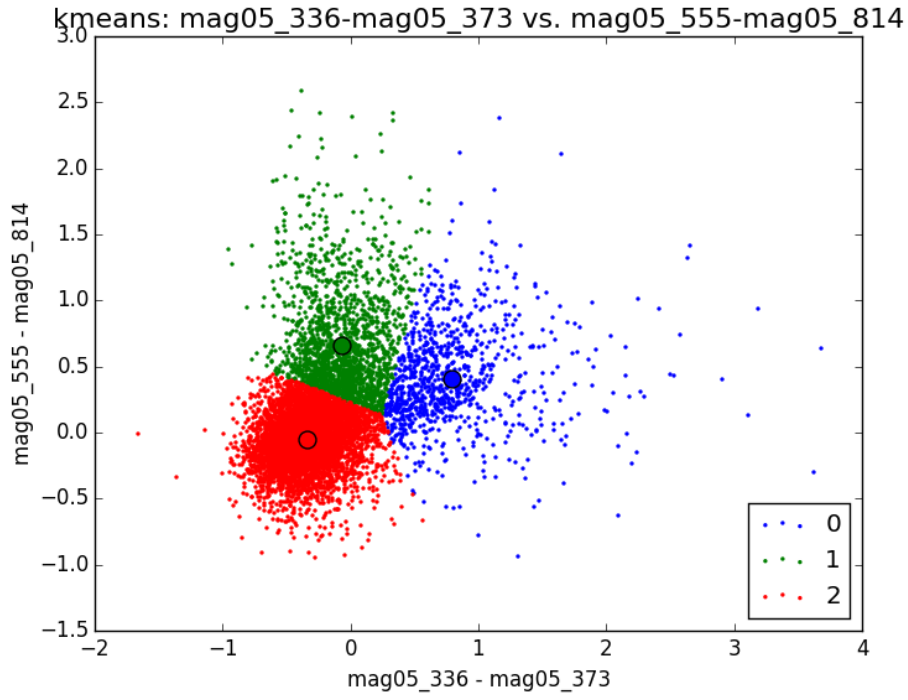


Figure 2: kmeans_col_3cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

kmeans results, Ncl=4

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	2852	0.378071004963	0.306901483394	0.2696	0.3636	1.8146	0.0000	0.2586	-0.0805504908836
2	4199	0.378071004963	0.446297775453	0.3552	0.3098	2.1310	0.0000	0.2294	-0.415082638724
3	749	0.378071004963	0.308649062567	0.8016	0.5649	2.4359	0.0010	0.6262	-0.0317476635514
4	759	0.378071004963	0.336553615091	0.8017	0.6500	3.3863	0.0010	0.4587	0.885191040843

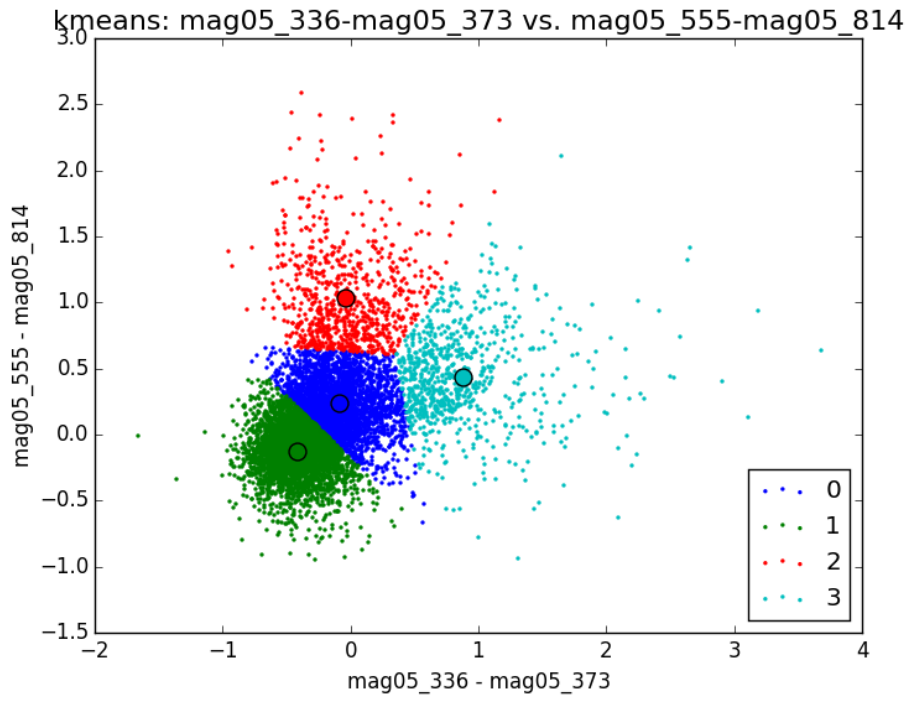


Figure 3: kmeans_col_4cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

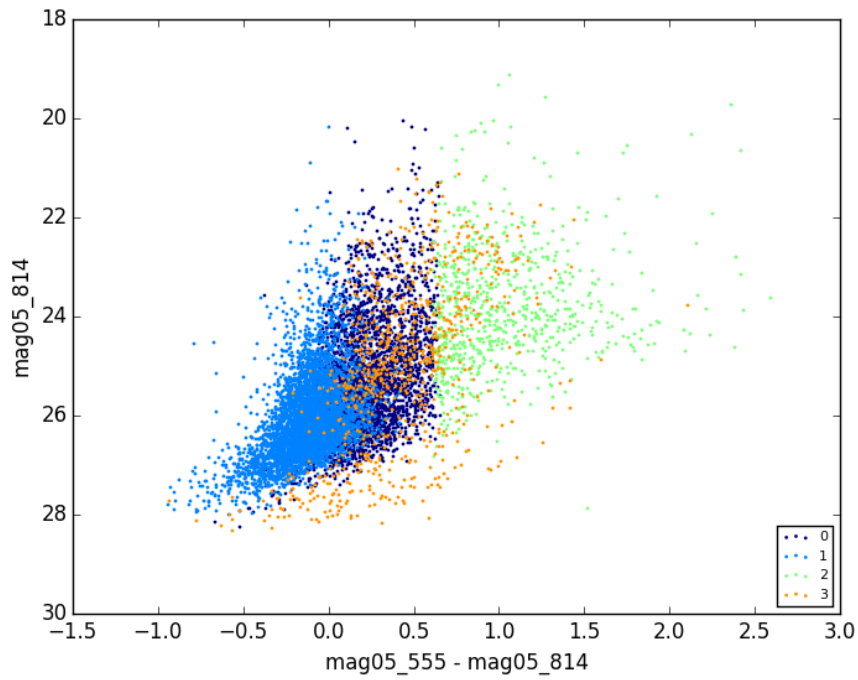


Figure 4: kmeans_CMD_4cl_mag05_555-mag05_814vsmag05_814.png

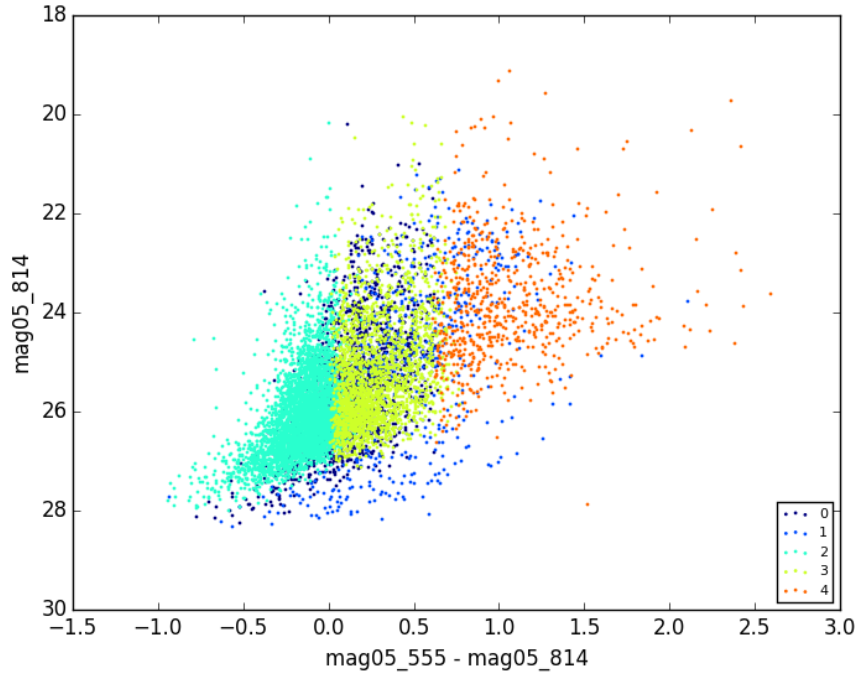


Figure 5: kmeans_CMD_5cl_mag05_555-mag05_814vsmag05_814.png

kmeans results, Ncl=5

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	1427	0.351836037887	0.274757819354	0.2577	0.3569	1.6545	0.0010	0.2048	0.163332866153
2	597	0.351836037887	0.28662879797	0.8762	0.6544	3.3288	0.0010	0.4719	0.984787269682
3	3840	0.351836037887	0.409764684851	0.3542	0.2928	1.9728	0.0000	0.2137	-0.413685677083
4	2016	0.351836037887	0.331632783141	0.3235	0.2887	1.0033	0.0000	0.3234	-0.27159375
5	679	0.351836037887	0.303534266613	0.8231	0.5614	2.4359	0.0010	0.6323	-0.0139749631811

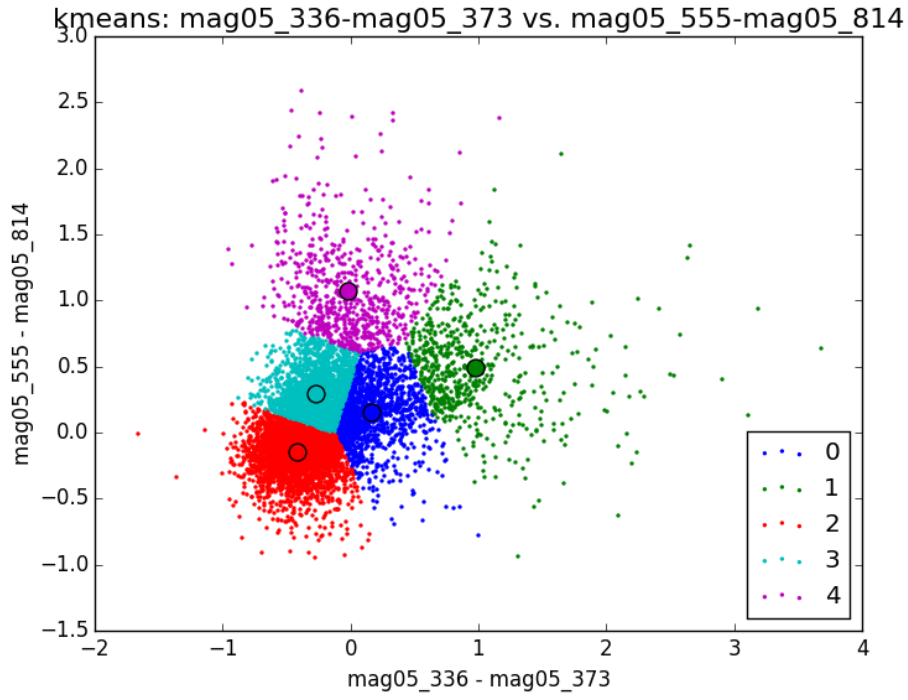


Figure 6: kmeans_col_5cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

kmeans results, Ncl=6

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	2106	0.318746830988	0.305306325395	0.1966	0.2560	1.1926	0.0000	0.1552	-0.159815289649
2	461	0.318746830988	0.217481421402	0.9520	0.6935	3.2838	0.0010	0.515	1.09644902386
3	2638	0.318746830988	0.357060949536	0.4032	0.2590	1.6622	0.0000	0.2346	-0.507786201668
4	1705	0.318746830988	0.320971369144	0.3422	0.2851	0.8658	0.0000	0.3404	-0.265704398827
5	597	0.318746830988	0.287875122439	0.8566	0.5607	2.4359	0.0010	0.6603	-0.0281675041876
6	1052	0.318746830988	0.307866589847	0.3652	0.3643	1.4705	0.0010	0.2057	0.300293726236

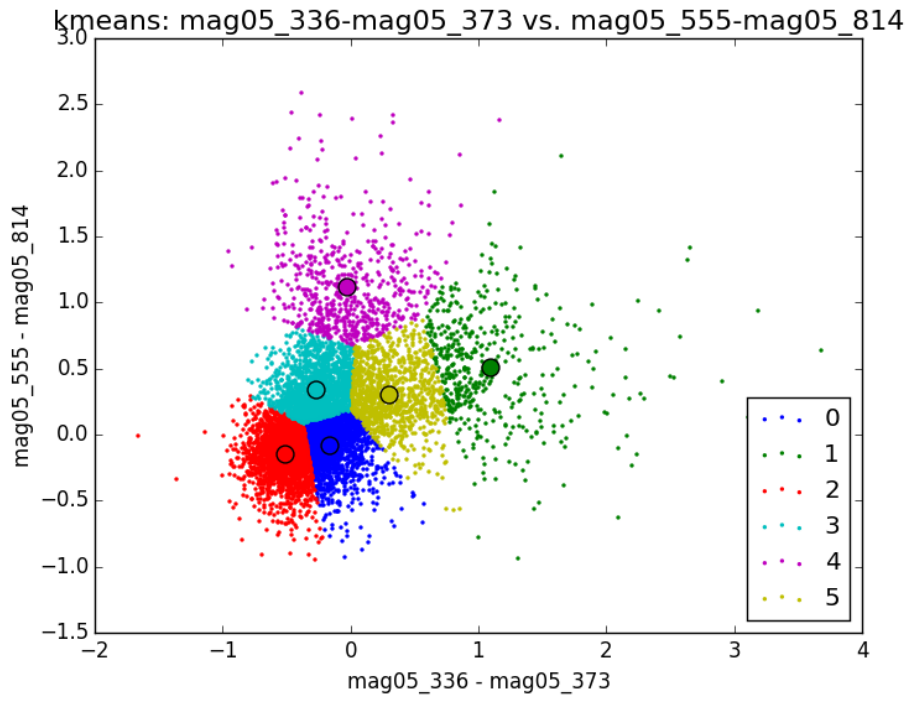


Figure 7: kmeans_col_6cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

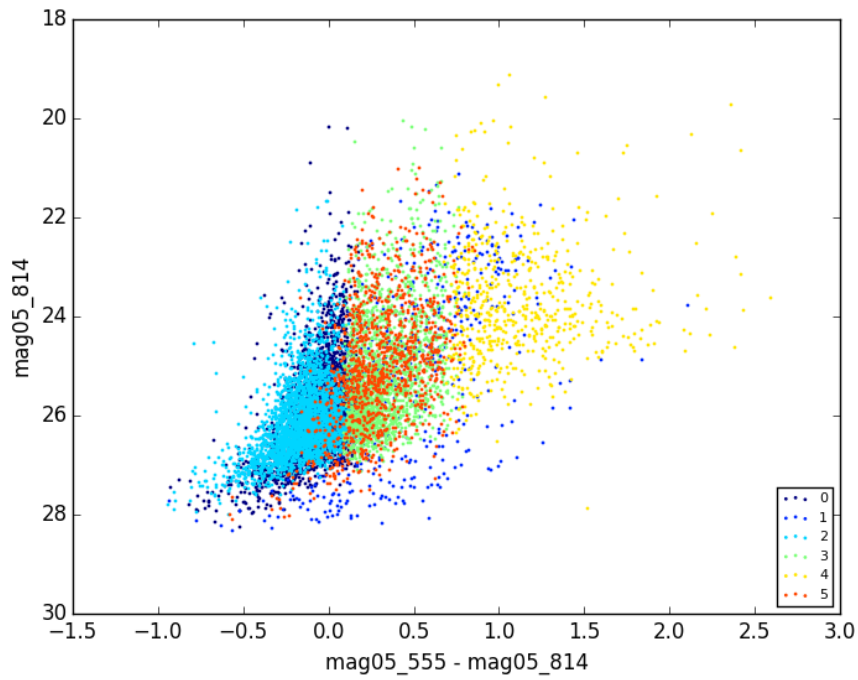


Figure 8: kmeans_CMD_6cl_mag05_555-mag05_814vsmag05_814.png

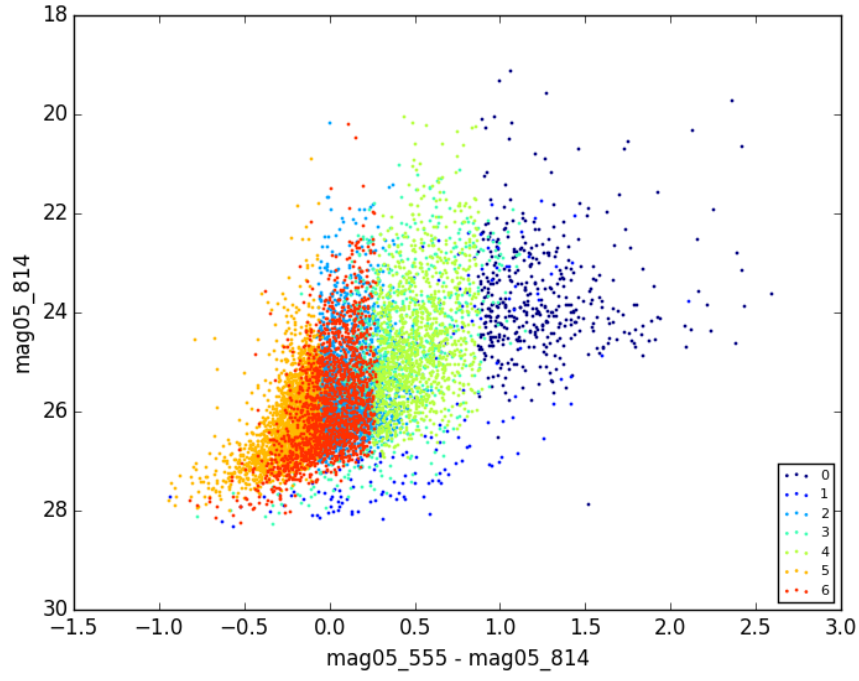


Figure 9: kmeans_CMD_7cl_mag05_555-mag05_814vsmag05_814.png

kmeans results, Ncl=7

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	422	0.311239279484	0.267261449682	0.9467	0.5744	2.4359	0.0014	0.7223	-0.0290545023697
2	180	0.311239279484	0.190967892846	1.2197	0.8142	3.1636	0.0064	0.6844	1.49754444444
3	2086	0.311239279484	0.337864198632	0.3194	0.2249	0.8391	0.0010	0.2826	-0.400868168744
4	756	0.311239279484	0.337971476675	0.5742	0.4368	1.9309	0.0010	0.27	0.614478835979
5	1215	0.311239279484	0.325315576554	0.4059	0.3121	1.0194	0.0000	0.3489	-0.0943275720165
6	2275	0.311239279484	0.309522318053	0.3952	0.2613	1.9530	0.0000	0.1918	-0.461429450549
7	1625	0.311239279484	0.28124651497	0.1616	0.2771	1.2086	0.0010	0.1608	-0.0282172307692

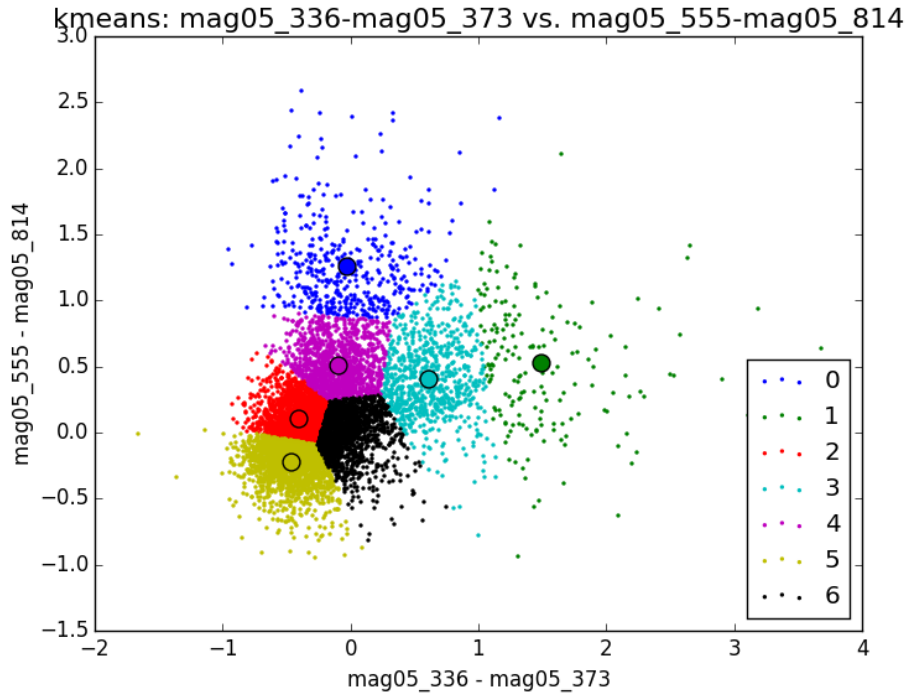


Figure 10: kmeans_col_7cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

kmeans results, Ncl=8

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	312	0.320012758293	0.274318971501	1.0141	0.5663	2.3594	0.0014	0.7764	-0.050766025641
2	907	0.320012758293	0.317972152445	0.4846	0.3222	1.1908	0.0010	0.4031	-0.0909261300992
3	614	0.320012758293	0.327664581424	0.6964	0.4631	1.9752	0.0010	0.2832	0.737254071661
4	1743	0.320012758293	0.304262535532	0.2491	0.2312	0.9959	0.0000	0.1389	-0.230207114171
5	1858	0.320012758293	0.3389490471	0.2916	0.2250	0.8357	0.0000	0.2813	-0.327826695371
6	1872	0.320012758293	0.332429409937	0.4308	0.2359	1.4856	0.0000	0.2411	-0.554714209402
7	121	0.320012758293	0.246830469856	1.2962	0.8022	3.1100	0.0071	0.8254	1.67362809917
8	1132	0.320012758293	0.310550894579	0.2253	0.2949	1.5364	0.0010	0.172	0.147811837456

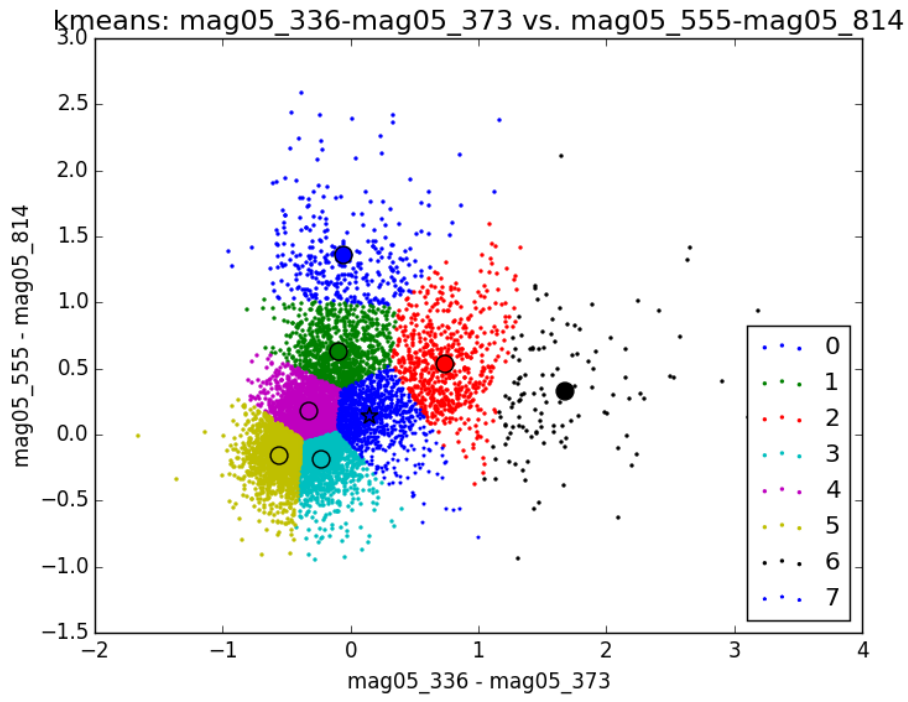


Figure 11: kmeans_col_8cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

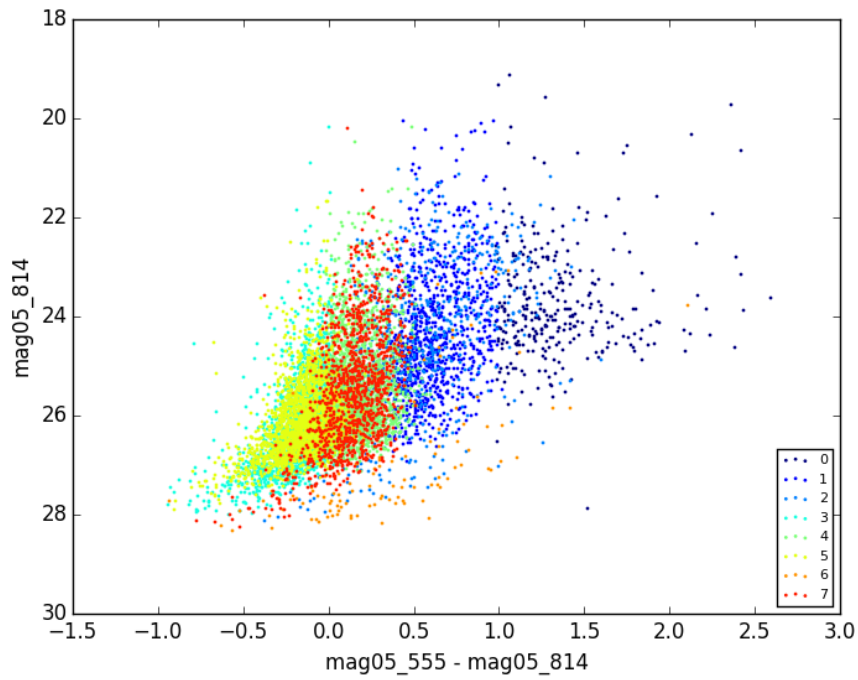


Figure 12: kmeans_CMD_8cl_mag05_555-mag05_814vsmag05_814.png

Meanshift results

Bandw	Nclust	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10
0.4639	7	0.568186988336	8559	8314	124	97	21	1	1	1	0	0	0
0.4000	12	0.409153813953	8559	7971	331	148	68	24	7	3	2	2	1
0.5000	7	0.568982885826	8559	8318	120	97	21	1	1	1	0	0	0
0.5500	6	0.575703735524	8559	8323	117	113	3	2	1	0	0	0	0
0.5600	5	0.618155345263	8559	8397	156	3	2	1	0	0	0	0	0
0.5700	4	0.661654769073	8559	8484	68	6	1	0	0	0	0	0	0

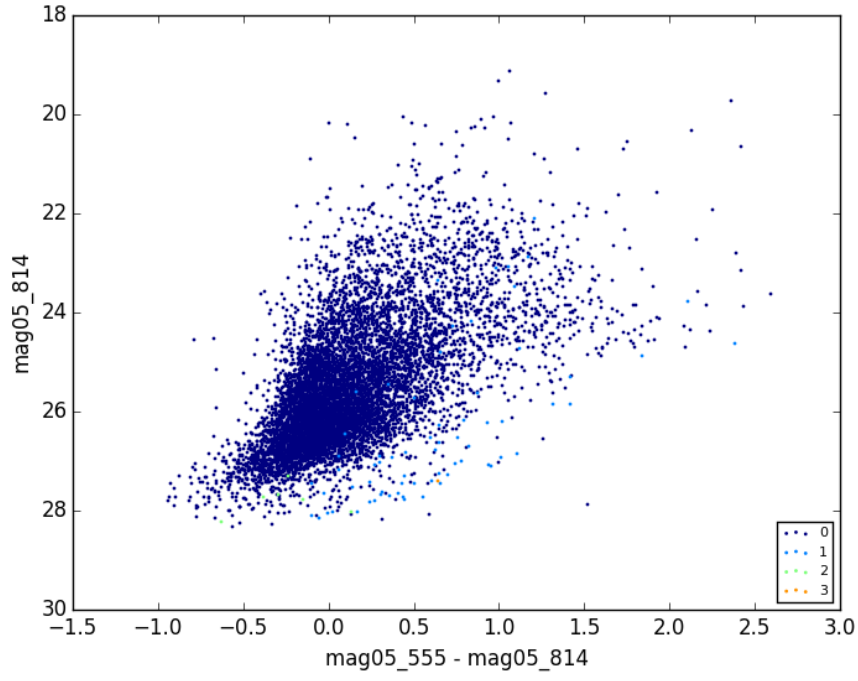


Figure 13: meanshift_CMD_4cl_mag05_555-mag05_814vsmag05_814.png

meanshift results, Ncl=4

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	8484	0.661654769073	0.664615170657	0.4259	0.6561	3.9101	0.0000	0.4256	-0.311636651871
2	68	0.661654769073	0.353417617878	1.4337	0.7885	2.6484	0.0071	0.7421	3.191
3	6	0.661654769073	0.0792771030528	1.8368	0.9563	1.9539	0.0949	1.4605	3.621
4	1	0.661654769073	0.0	N/A	N/A	N/A	N/A	1.522	3.682

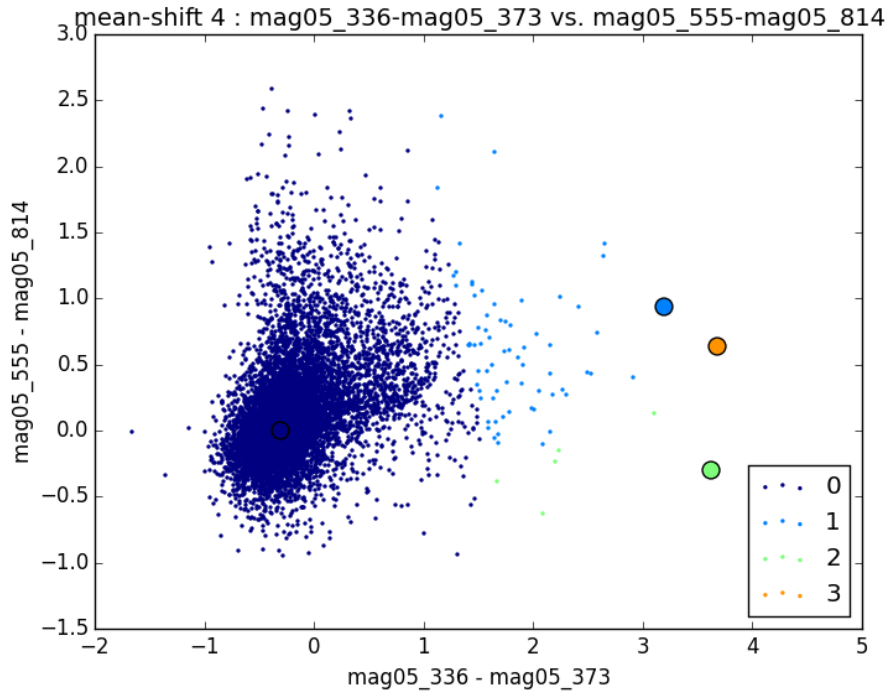


Figure 14: meanshift_color_4cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

meanshift results, Ncl=5

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	Ce
1	8397	0.618155345263	0.621771453821	0.4145	0.6360	3.9101	0.0000	0.4136	-0.31368576	0.0000
2	156	0.618155345263	0.449272875119	1.2217	0.7825	2.8177	0.0064	0.5979	2.5072	1.0
3	2	0.618155345263	0.104637923102	2.2181	0.6031	0.6031	0.6031	1.207	3.191	0.9
4	3	0.618155345263	-0.173047332177	2.1459	1.1686	1.5650	0.6722	1.6774	3.621	-0.2
5	1	0.618155345263	0.0	N/A	N/A	N/A	N/A	1.522	3.682	0.6

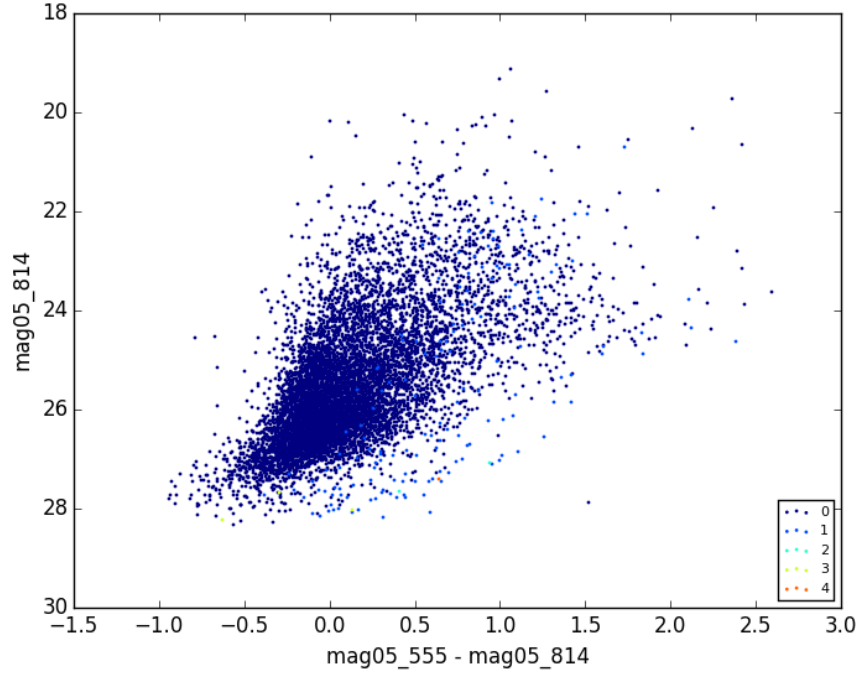


Figure 15: meanshift_CMD_5cl_mag05_555-mag05_814vsmag05_814.png

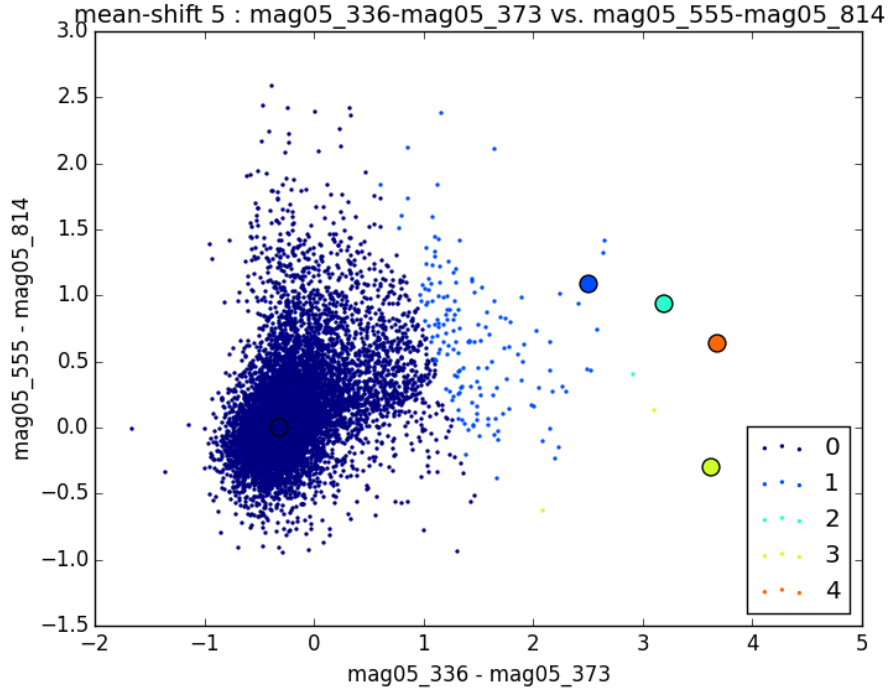


Figure 16: meanshift_color_5cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

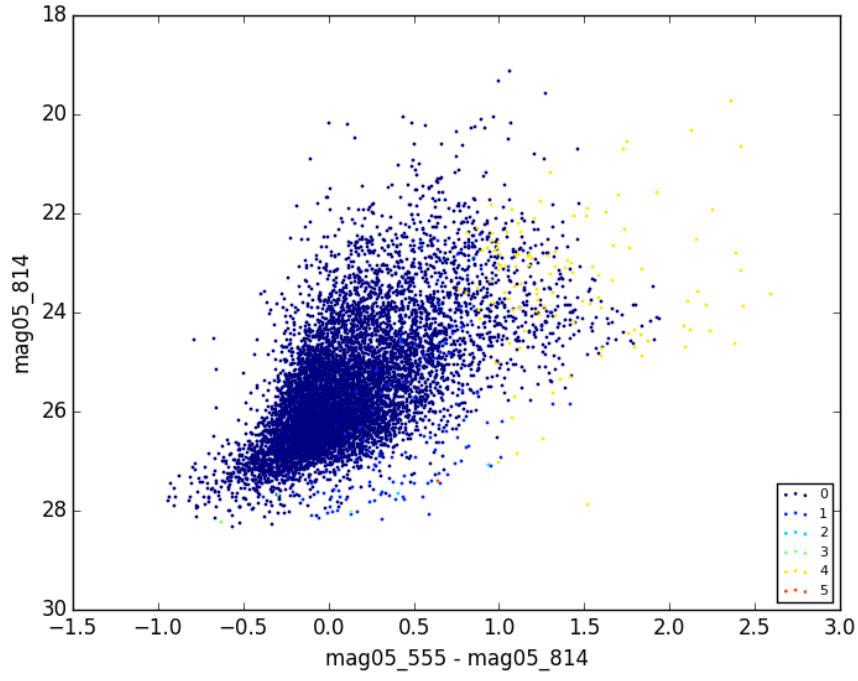


Figure 17: meanshift_CMD_6cl_mag05_555-mag05_814vsmag05_814.png

meanshift results, Ncl=6

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	8323	0.575703735524	0.581000162991	0.4010	0.6182	3.4236	0.0000	0.3995	-0.315580697224	-
2	113	0.575703735524	0.421949094008	1.2221	0.6359	2.0565	0.0064	0.6722	2.5072	
3	2	0.575703735524	0.104637923102	2.2181	0.6031	0.6031	0.6031	1.207	3.191	
4	3	0.575703735524	-0.229387121012	2.1459	1.1686	1.5650	0.6722	1.6774	3.621	
5	117	0.575703735524	0.381047467227	1.1982	0.7702	2.3525	0.0051	0.5909	1.648	
6	1	0.575703735524	0.0	N/A	N/A	N/A	N/A	1.522	3.682	

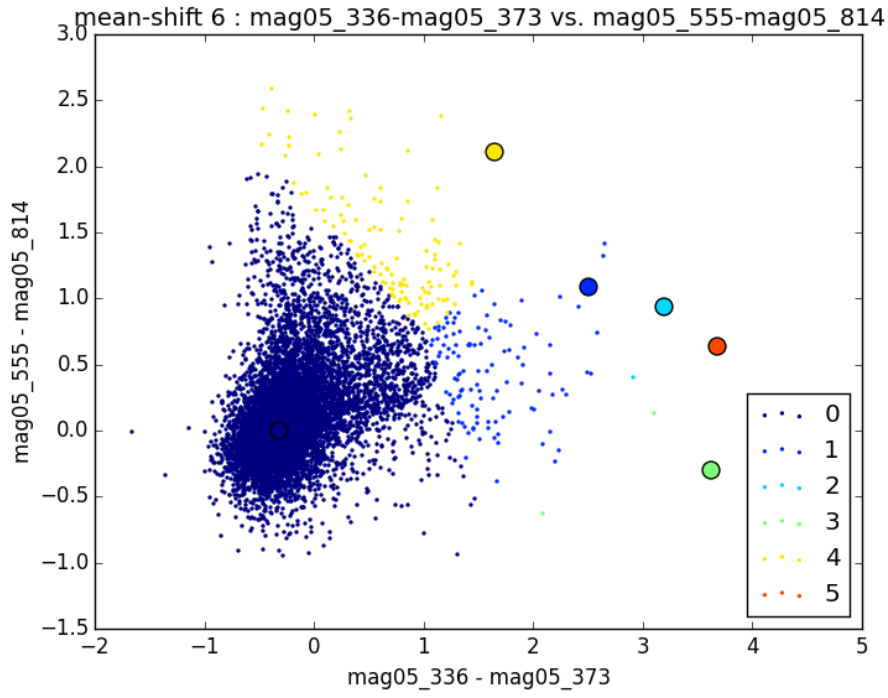


Figure 18: meanshift_color_6cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

meanshift results, Ncl=7

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	8314	0.568186988336	0.575503127901	0.3999	0.6163	3.4236	0.0000	0.3982	-0.331325965858	-0
2	97	0.568186988336	0.344279878454	1.1771	0.5591	1.9010	0.0064	0.5925	2.5072	
3	21	0.568186988336	0.19647124104	1.5164	0.6936	1.8135	0.0206	1.1148	3.0065	
4	1	0.568186988336	0.0	N/A	N/A	N/A	N/A	1.959	3.621	
5	124	0.568186988336	0.329503092978	1.1868	0.7692	2.3525	0.0051	0.5867	1.648	
6	1	0.568186988336	0.0	N/A	N/A	N/A	N/A	1.126	3.191	
7	1	0.568186988336	0.0	N/A	N/A	N/A	N/A	1.522	3.682	
1	8318	0.568982885826	0.576198971055	0.4004	0.6171	3.4236	0.0000	0.3988	-0.324204245848	-0
2	97	0.568982885826	0.343836708859	1.1771	0.5591	1.9010	0.0064	0.5925	2.5072	
3	21	0.568982885826	0.19647124104	1.5164	0.6936	1.8135	0.0206	1.1148	3.0065	
4	1	0.568982885826	0.0	N/A	N/A	N/A	N/A	1.959	3.621	
5	120	0.568982885826	0.330195181074	1.1915	0.7683	2.3525	0.0051	0.5851	1.648	
6	1	0.568982885826	0.0	N/A	N/A	N/A	N/A	1.126	3.191	
7	1	0.568982885826	0.0	N/A	N/A	N/A	N/A	1.522	3.682	

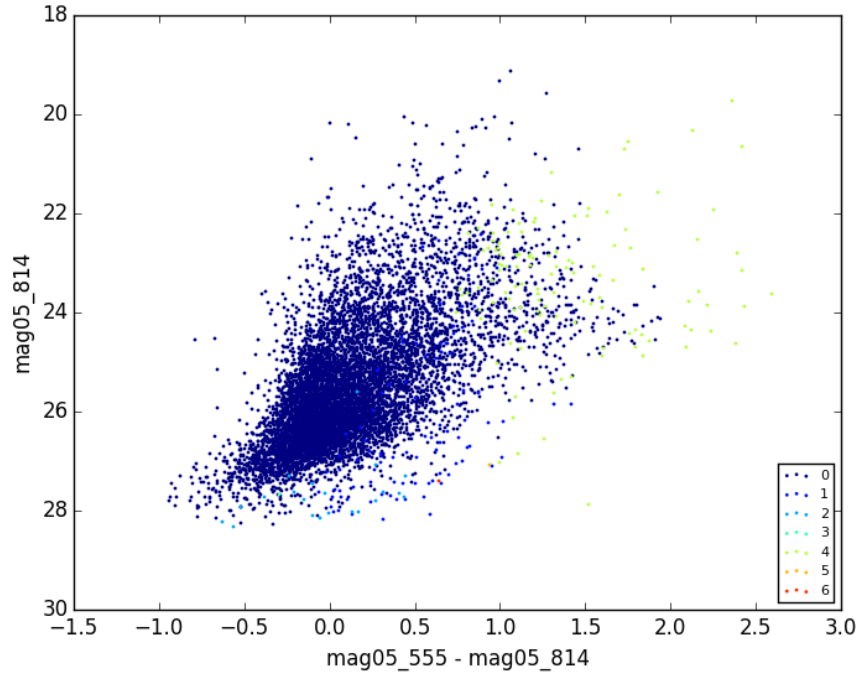


Figure 19: meanshift_CMD_7cl_mag05_555-mag05_814vsmag05_814.png

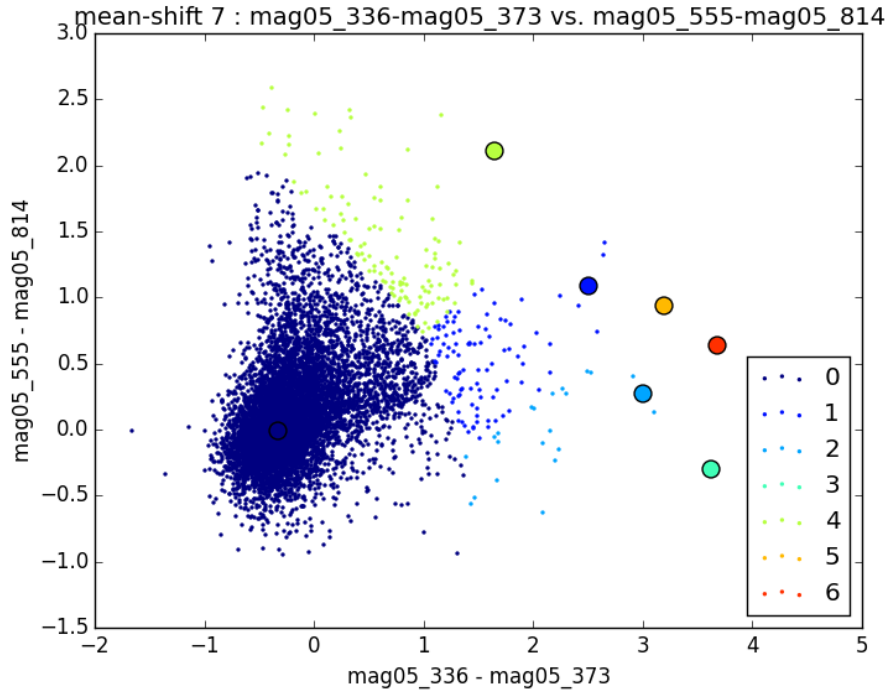


Figure 20: meanshift_color_7cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

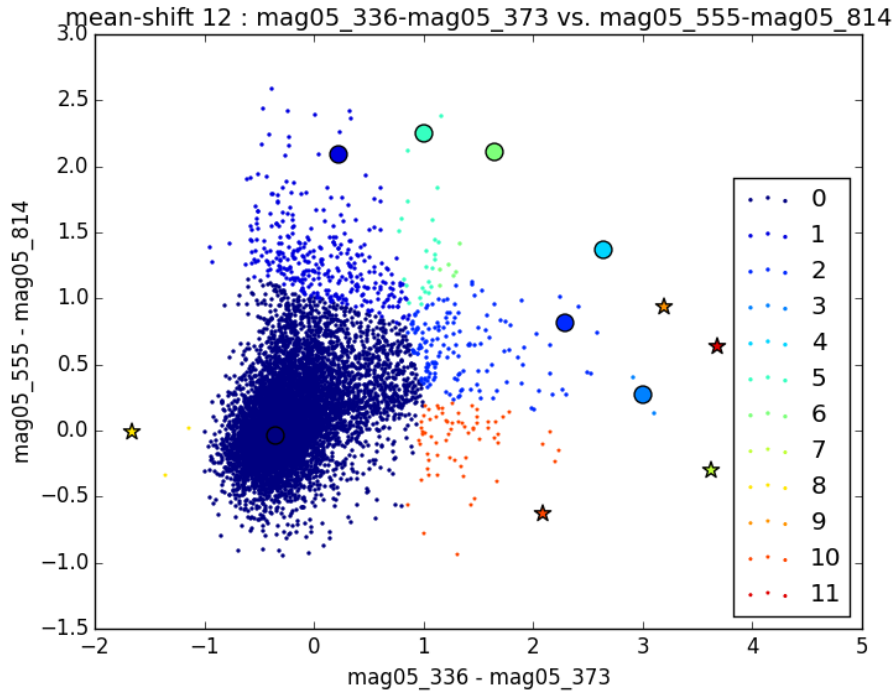


Figure 21: meanshift_color_12cl_mag05_336-mag05_373vsmag05_555-mag05_814.png

meanshift results, Ncl=12

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stddev	Cen1
1	7971	0.409153813953	0.418202875476	0.3626	0.5564	2.3105	0.0000	0.3569	-0.346947081398
2	331	0.409153813953	0.333055330085	0.9972	0.6145	2.1437	0.0014	0.7158	0.2192
3	148	0.409153813953	0.147049076858	1.0833	0.5443	1.7220	0.0010	0.4798	2.2864
4	2	0.409153813953	0.469883278272	2.1379	0.3370	0.3370	0.3370	1.3729	3.0065
5	2	0.409153813953	0.855443005494	2.1064	0.1004	0.1004	0.1004	0.6395	2.6455
6	24	0.409153813953	0.0943677479132	1.2227	0.4463	1.4464	0.0305	0.3246	1.0085
7	7	0.409153813953	0.233046609765	1.3488	0.3970	1.1275	0.0368	0.2542	1.648
8	1	0.409153813953	0.0	N/A	N/A	N/A	N/A	1.959	3.621
9	3	0.409153813953	0.617302297992	1.0018	0.4611	0.5171	0.4215	0.6659	-1.659
10	1	0.409153813953	0.0	N/A	N/A	N/A	N/A	1.126	3.191
11	68	0.409153813953	0.412486527839	0.9861	0.4884	1.4364	0.0082	0.7636	2.091
12	1	0.409153813953	0.0	N/A	N/A	N/A	N/A	1.522	3.682

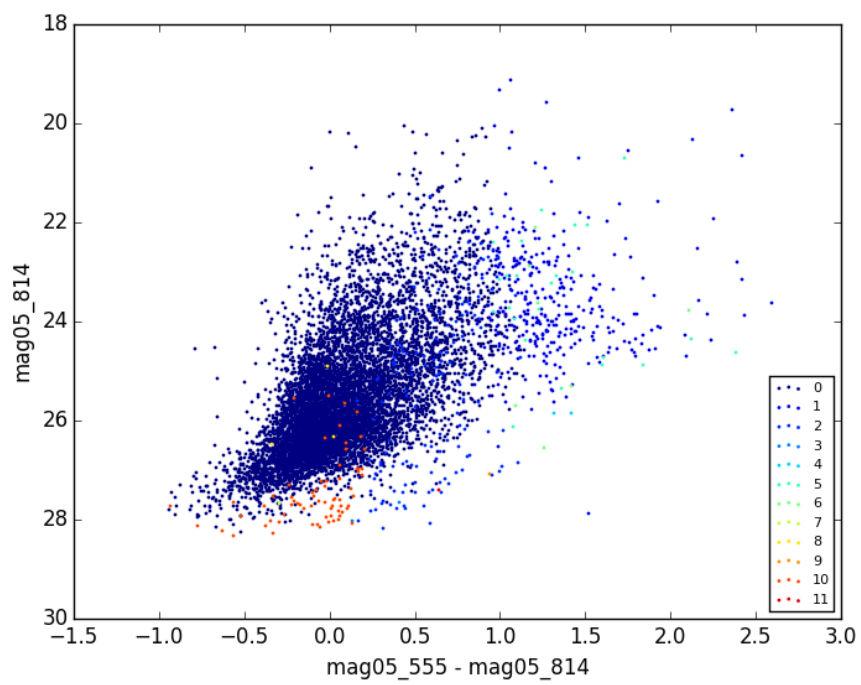


Figure 22: meanshift_CMD_12cl_mag05_555-mag05_814vsmag05_814.png