

## K-means results

Nclust	inertia	score	TotObj	N1	N2	N3	N4	N5	N6	N7	N8
3	2441.79512156	0.411773545899	14577	8468	4436	1673	0	0	0	0	0
4	1930.31449578	0.415015618668	14577	8159	3563	1455	1400	0	0	0	0
5	1518.57138611	0.368289093082	14577	6274	3259	2608	1289	1147	0	0	0
6	1259.19471297	0.35989370975	14577	5239	3573	2101	1768	1031	865	0	0
7	1098.66259887	0.346080216376	14577	4567	2978	2386	1624	1365	846	811	0
8	976.721777649	0.33940411482	14577	3686	2609	2321	2078	1262	1104	770	747

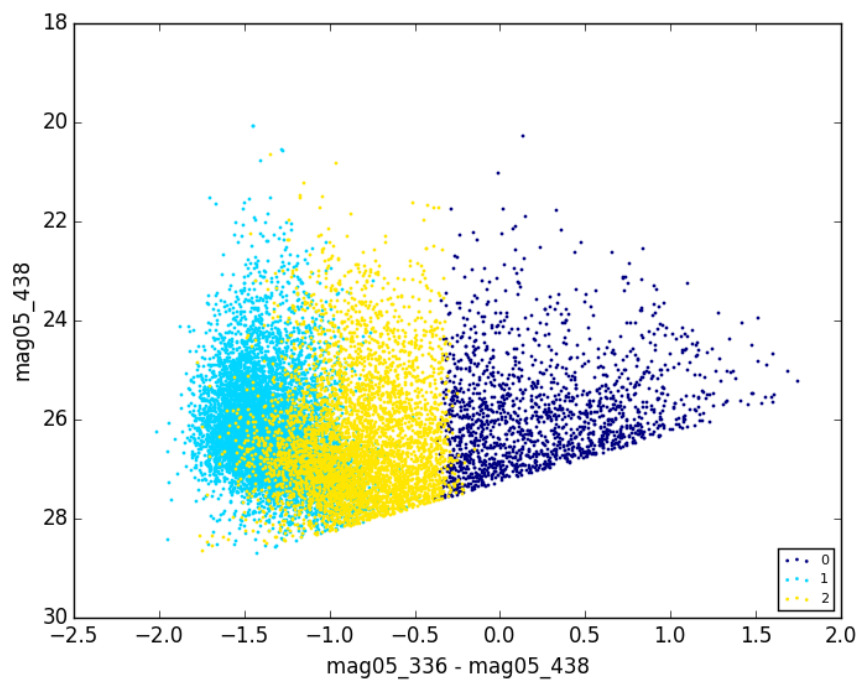


Figure 1: kmeans\_CMD\_3cl\_mag05\_336-mag05\_438vsmag05\_438.png

### kmeans results, Ncl=3

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1673	0.411773545899	0.462622197637	0.4181	0.601	2.8867	0.001	0.3517	0.199736999402	0
2	8468	0.411773545899	0.485525204344	0.9878	0.4178	3.6157	0.0	0.6498	-0.142472366556	-1
3	4436	0.411773545899	0.251809876361	0.734	0.5689	3.3002	0.001	0.6908	0.355141118124	-0

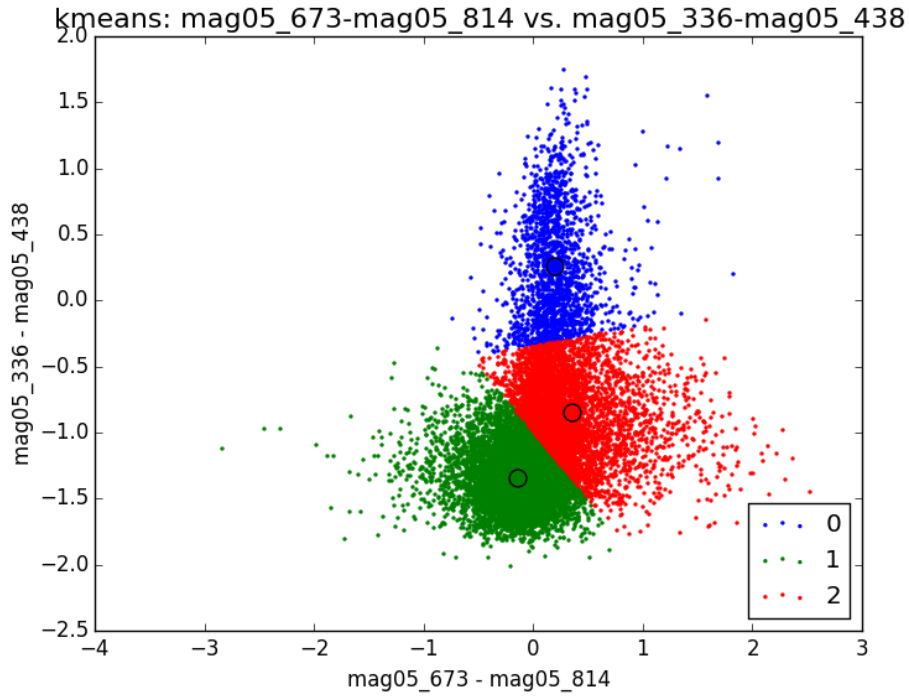


Figure 2: kmeans\_col\_3cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

### kmeans results, Ncl=4

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1455	0.415015618668	0.270912036258	0.9751	0.572	2.3542	0.001	0.9659	0.77250790378	-
2	3563	0.415015618668	0.368585642812	0.5662	0.4072	2.0041	0.0	0.4713	0.0972335110862	-0
3	8159	0.415015618668	0.453256948913	0.9991	0.4019	3.454	0.0	0.6609	-0.132579973036	-
4	1400	0.415015618668	0.46007969218	0.4432	0.5663	2.6464	0.001	0.3364	0.224562857143	0

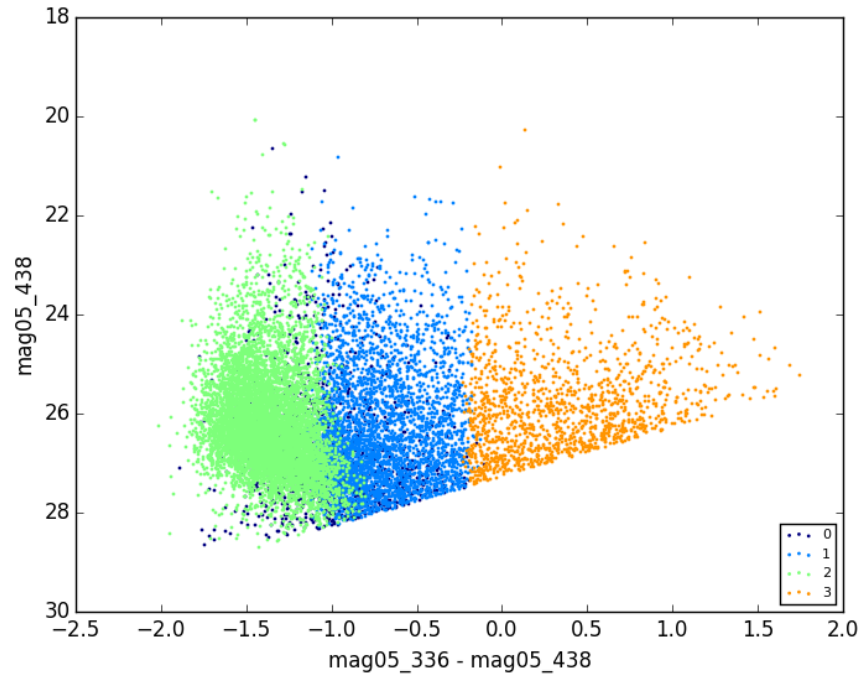


Figure 3: kmeans\_CMD\_4cl\_mag05\_336-mag05\_438vsmag05\_438.png

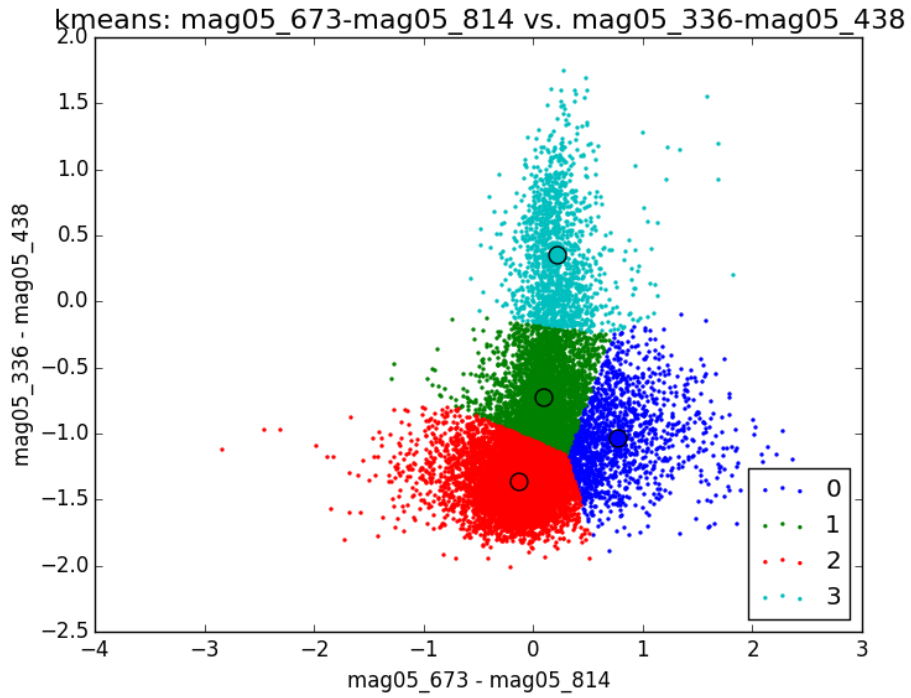


Figure 4: kmeans\_col\_4cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

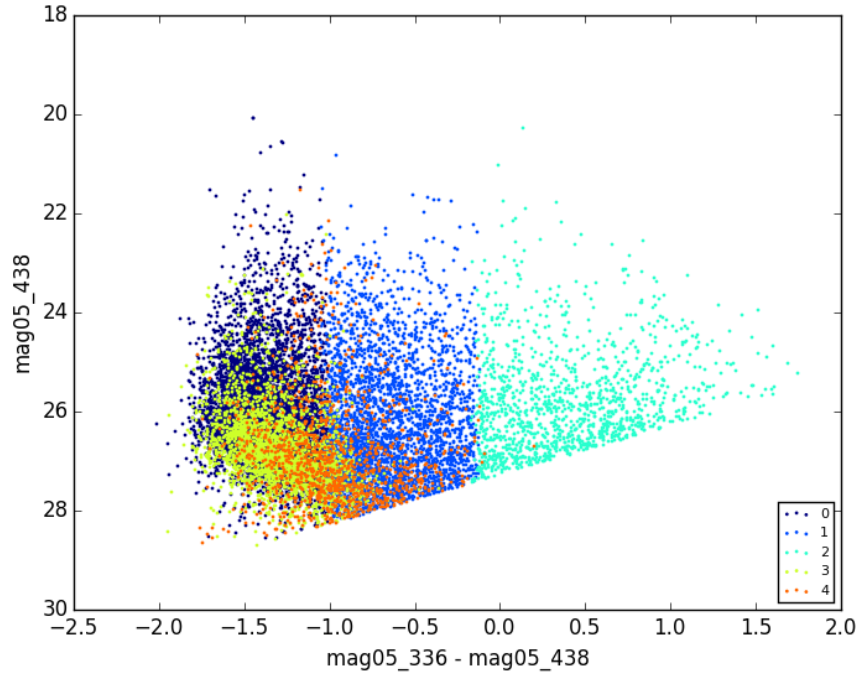


Figure 5: kmeans\_CMD\_5cl\_mag05\_336-mag05\_438vsmag05\_438.png

### kmeans results, Ncl=5

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	6274	0.368289093082	0.406144612154	0.9795	0.3088	1.2491	0.0	0.7193	0.0329992030602	-
2	3259	0.368289093082	0.363444286451	0.5314	0.3991	1.4845	0.001	0.4552	0.121809143909	-0
3	1289	0.368289093082	0.470405184878	0.452	0.548	2.6464	0.001	0.3316	0.217314972847	0
4	2608	0.368289093082	0.269218853624	1.0045	0.398	2.6699	0.0	0.4879	-0.451924846626	-
5	1147	0.368289093082	0.285491569404	0.9836	0.5728	2.2983	0.001	0.9821	0.869745422842	-0

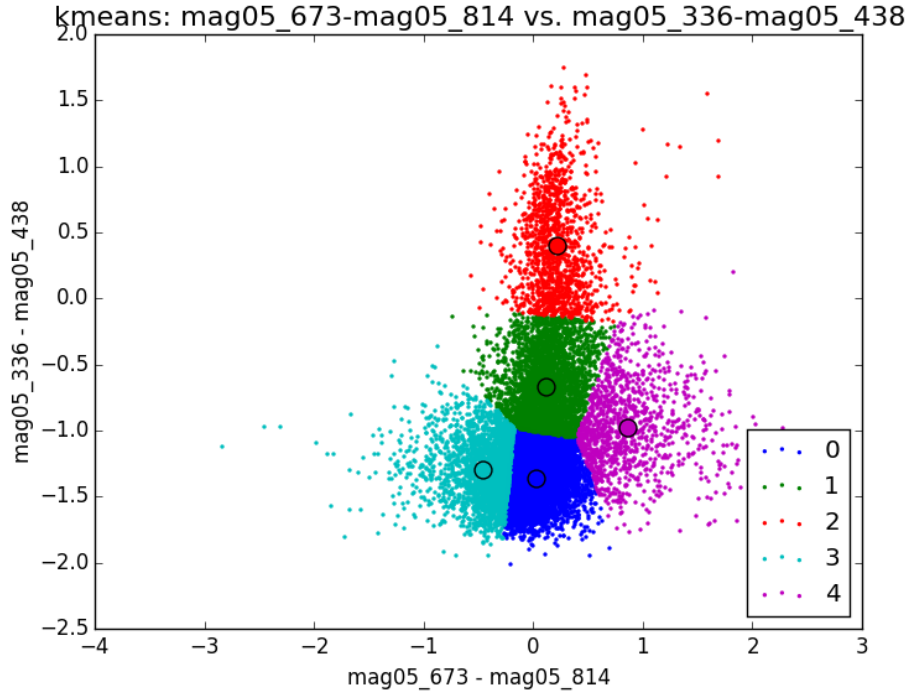


Figure 6: kmeans\_col\_5cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

### kmeans results, Ncl=6

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1
1	865	0.35989370975	0.48413344087	0.5259	0.473	2.5672	0.001	0.3381	0.210717919075
2	5239	0.35989370975	0.414535046812	1.0277	0.2777	1.1408	0.0	0.7336	-0.00331704523764
3	1768	0.35989370975	0.346979462519	0.3505	0.4046	1.8898	0.001	0.3462	0.20565780543
4	3573	0.35989370975	0.326679314323	0.7032	0.3177	1.2043	0.0	0.5502	0.0827041701651
5	1031	0.35989370975	0.300525732873	1.012	0.5613	2.2668	0.001	1.0106	0.902380213385
6	2101	0.35989370975	0.268976277973	1.0074	0.3945	2.6395	0.0	0.461	-0.500353165159

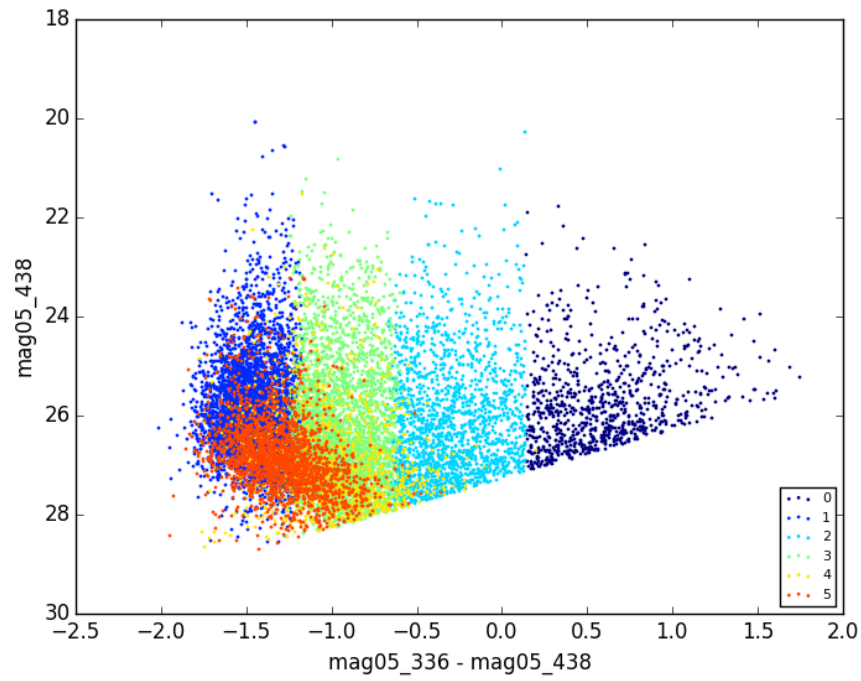


Figure 7: kmeans\_CMD\_6cl\_mag05\_336-mag05\_438vsmag05\_438.png

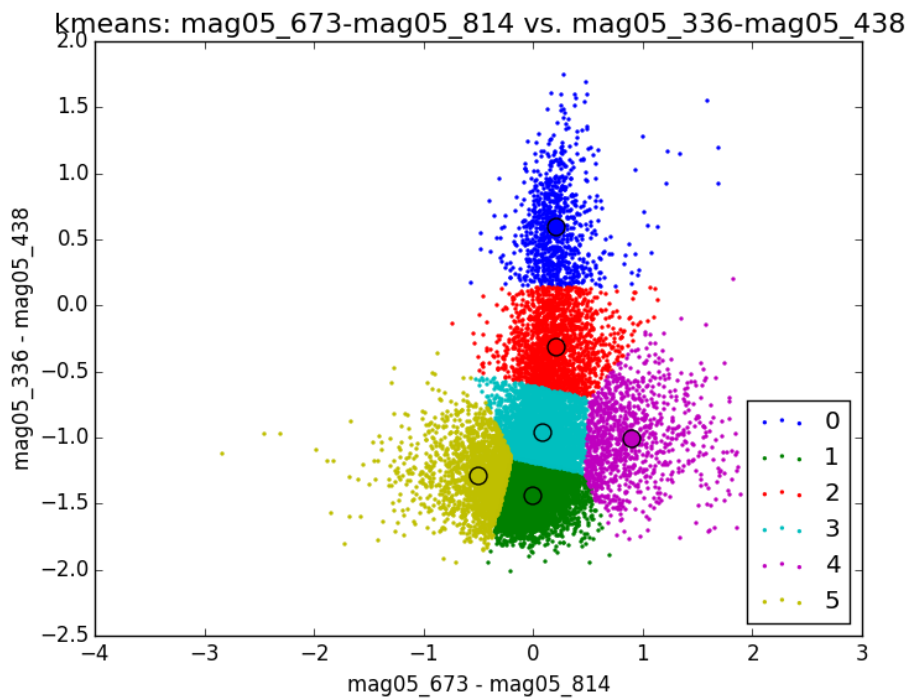


Figure 8: kmeans\_col\_6cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

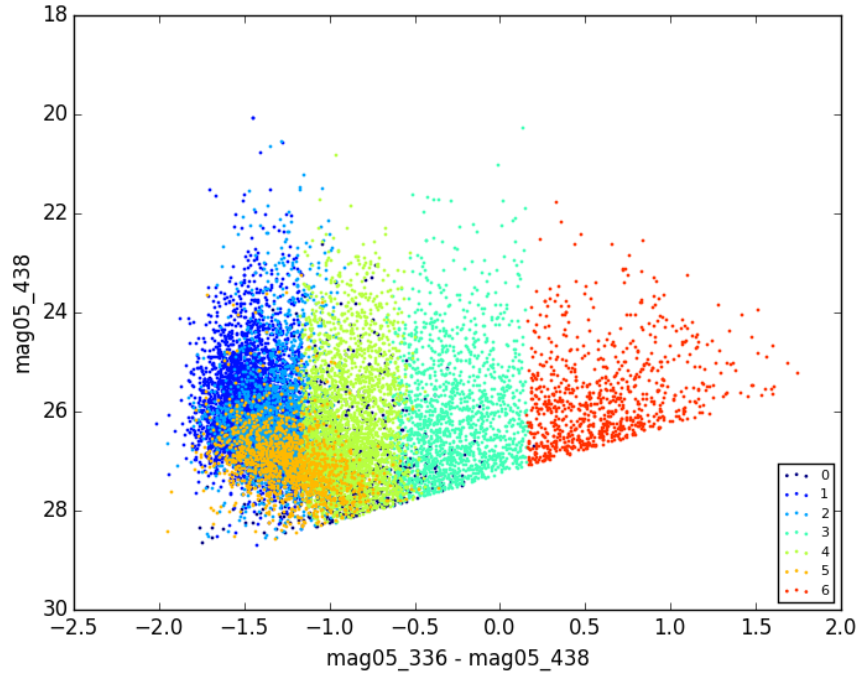


Figure 9: kmeans\_CMD\_7cl\_mag05\_336-mag05\_438vsmag05\_438.png

### kmeans results, Ncl=7

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	811	0.346080216376	0.305114236421	1.0134	0.5505	2.2574	0.001	1.013	0.990082614057	-0
2	4567	0.346080216376	0.399726058067	1.0308	0.2476	0.908	0.0	0.674	-0.120478651193	-
3	2386	0.346080216376	0.294907164575	0.9552	0.2871	1.0507	0.001	0.8022	0.266677284158	-
4	1624	0.346080216376	0.342702477898	0.3382	0.3963	1.8898	0.001	0.3366	0.21977955665	-
5	2978	0.346080216376	0.32270466933	0.6535	0.3057	1.132	0.0	0.4929	0.0329503022163	-0
6	1365	0.346080216376	0.253971344175	1.0082	0.4048	2.577	0.001	0.4055	-0.59844981685	-
7	846	0.346080216376	0.477461054774	0.5297	0.468	2.5672	0.001	0.3397	0.207946808511	0



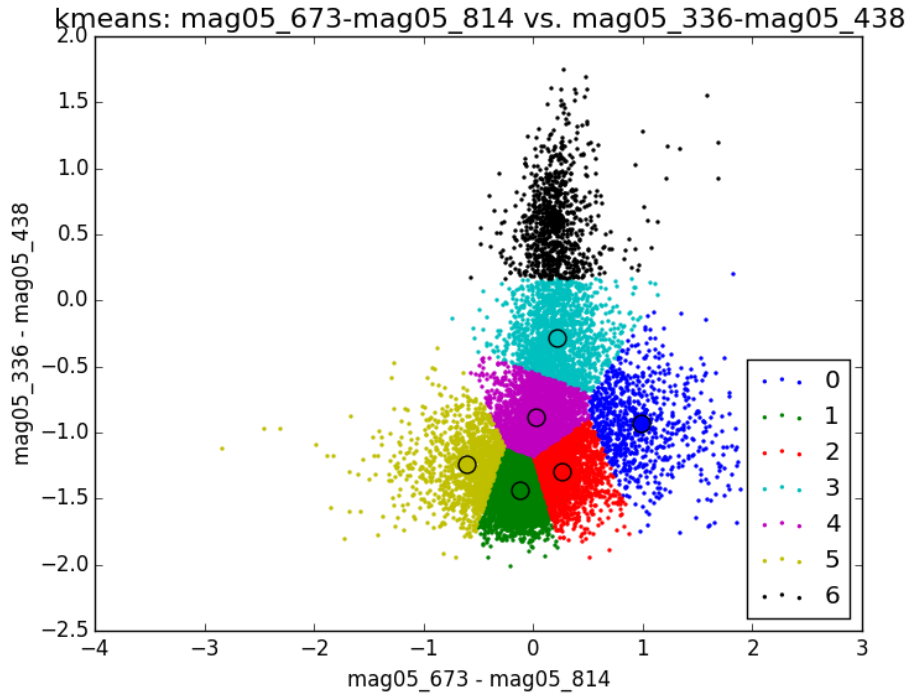


Figure 10: kmeans\_col\_7cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

### kmeans results, Ncl=8

Cluster	Nobj	tScore	cScore	rms	AvgDist	MaxDist	MinDist	Stdev	Cen1	
1	1262	0.33940411482	0.323256696924	0.2913	0.3881	1.8898	0.001	0.2894	0.220233755943	-0
2	2078	0.33940411482	0.307807162138	0.5564	0.3066	1.1939	0.001	0.4792	0.164152550529	-0
3	3686	0.33940411482	0.402710144191	1.0662	0.2303	0.8274	0.0	0.6895	-0.13623982637	-3
4	747	0.33940411482	0.464689692842	0.5543	0.4459	2.3618	0.001	0.3483	0.204610441767	0
5	770	0.33940411482	0.299413817961	1.0271	0.5509	2.2244	0.001	1.0264	1.01394155844	-0
6	1104	0.33940411482	0.25603352036	1.0268	0.4038	2.4892	0.001	0.3866	-0.651111413043	-3
7	2609	0.33940411482	0.340085808232	0.7889	0.2358	0.9243	0.0	0.5177	-0.0950195477194	-3
8	2321	0.33940411482	0.287770028121	0.968	0.2811	0.9978	0.001	0.8111	0.266867729427	-3

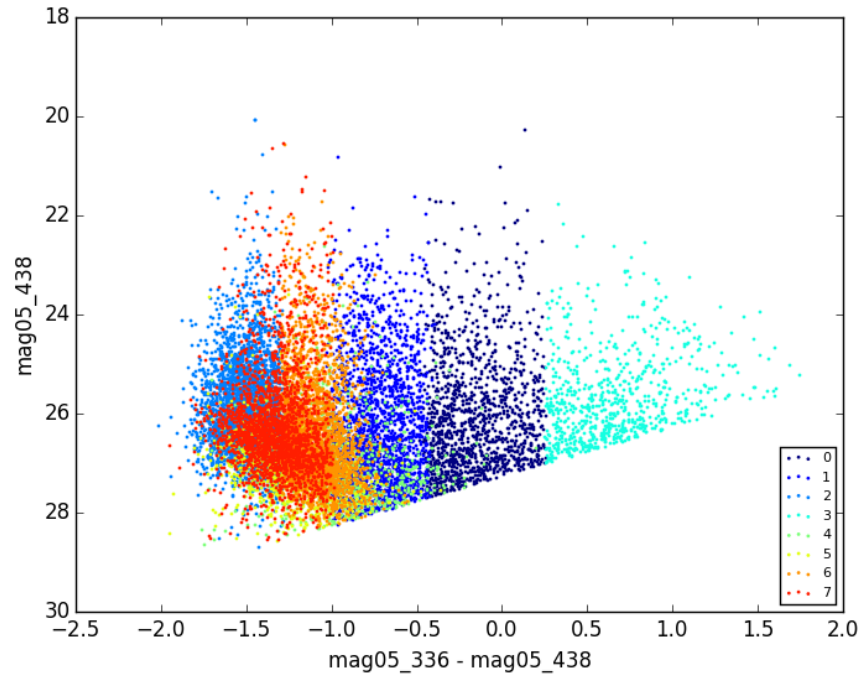


Figure 11: kmeans\_CMD\_8cl\_mag05\_336-mag05\_438vsmag05\_438.png

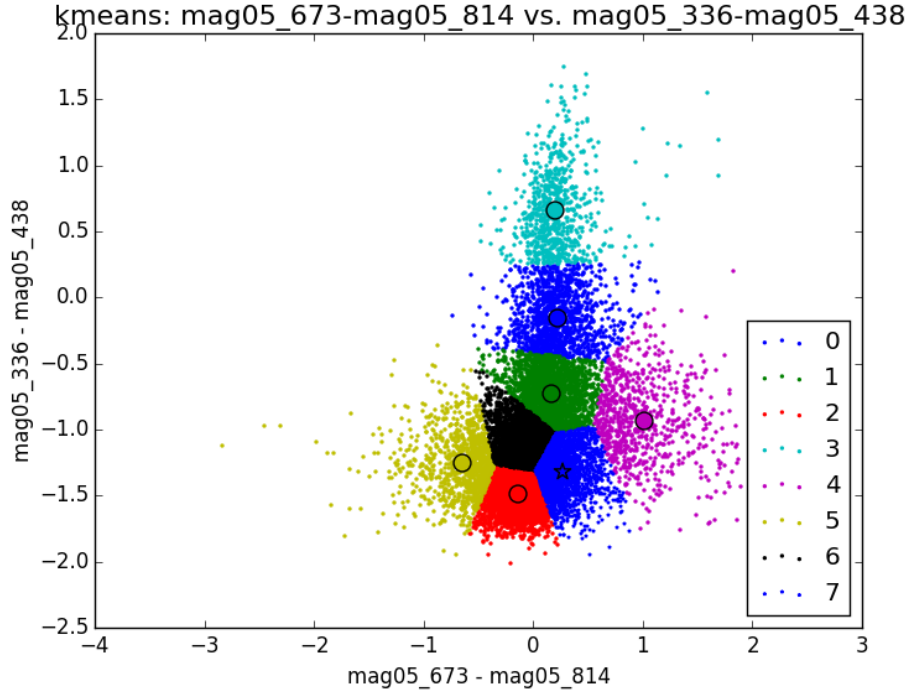


Figure 12: kmeans\_col\_8cl\_mag05\_673-mag05\_814vsmag05\_336-mag05\_438.png

**Meanshift results**

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