```
Python 3.7.8 (default, Jun 24 2020, 07:29:10)
[GCC 4.2.1 Compatible Apple LLVM 9.1.0 (clang)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
IPython 7.2.0 -- An enhanced Interactive Python.

In [1]: runfile('/Users/jonathanrosie/Appsym By Programmer 3.py', wdir='/Users/jonathanrosie')
/Users/jonathanrosie/opt/anaconda3/bin/python
Loading ...

Class 0: 12
Class 1: 2
Class 2: 2187
Class 3: 5248
Class 4: 2187
Class 5: 2187
Class 6: 2187
Class 7: 1215
Class 8: 1215

Fit: 42212
Cats: 42188
Dogs: 24
Mix: 0
No: 0

#II: Stars 47200?

Mm: Stars 5730

Mg_p: Stars 9258
Mg_n: Stars 9258
Mg_p: Stars 10828
Mg_n: Stars 10828

SMA_p: Stars 20094
SMA_n: Stars 20094
SMA_p: Stars 12953
SMA_n: Stars 12953

Mg_p: Stars 19828
Mg_n: Stars 19828
Mg_p: Stars 7645
Mg_n: Stars 7645

Mg_p: Stars 7828
Mg_n: Stars 7828
Mg_p: Stars 5253
Mg_n: Stars 5253

Mg_p: Stars 21268
Mg_n: Stars 21268
Mg_p: Stars 12129
Mg_n: Stars 12129

Fields: ['DRR-00' 'DRR-01' 'DRR-02' ... 'Hecking_prince' 'Irfan' 'Ivo']

Bulge: 2219
main_sequence: 525
subgiants: 1
red_giants: 1
red_giants: 1882

cool_dwarf: 8361
main_sequence: 1887
subgiants: 461
red_giants: 1

Main: 17614
main_sequence: 4176
turnoff: 2552
subgiants: 1
red_giants: 5258

Main_dwarf: 3861
main_sequence: 1862
turnoff: 30
subgiants: 1
red_giants: 1599

Main_dwarf: 7187
main_sequence: 1
turnoff: 34
subgiants: 1
red_giants: 5411

Main_sirtuan: 7730
main_sequence: 1888
turnoff: 1
subgiants: 1
red_giants: 5413

Main: 2
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 1

Main_sequence: 1236
turnoff: 262
subgiants: 1
red_giants: 1671

Main: 1
main_sequence: 514
turnoff: 1
subgiants: 401
red_giants: 1

dwarf: 8011
main_sequence: 2584
turnoff: 1
subgiants: 37
red_giants: 5146

aerum: 10878
main_sequence: 2888
turnoff: 1
subgiants: 1
red_giants: 7

sgr: 1211
main_sequence: 53
turnoff: 1
subgiants: 1
red_giants: 1

sar_cluster: 263
main_sequence: 71
turnoff: 1
subgiants: 1
red_giants: 111

cluster_gc: 5470
main_sequence: 1461
turnoff: 40
subgiants: 1
red_giants: 3270

cluster_gc: 8181
main_sequence: 2174
turnoff: 100
subgiants: 1
red_giants: 5217

cluster_gc: 967
main_sequence: 257
turnoff: 8
subgiants: 1
red_giants: 587

cluster_gc: 4
main_sequence: 1
turnoff: 2
subgiants: 1
red_giants: 1

cluster_gc: 640
main_sequence: 170
turnoff: 8
subgiants: 1
red_giants: 298

cluster_gc: 1212
main_sequence: 322
turnoff: 8
subgiants: 1
red_giants: 1

cluster_gc: 1368
main_sequence: 329
turnoff: 8
subgiants: 1
red_giants: 1

magellanic: 7431
main_sequence: 1917
turnoff: 140
subgiants: 1
red_giants: 5262

m: 1198
main_sequence: 313
turnoff: 140
subgiants: 1
red_giants: 1194

bl_dsc: 204
main_sequence: 20
turnoff: 1
subgiants: 1
red_giants: 124

bug_main: 10512
main_sequence: 2553
turnoff: 1301
subgiants: 1
red_giants: 6254

bug_dwarf: 1340
main_sequence: 353
subgiants: 1
red_giants: 1
turnoff: 345

bug_dwarf: 1
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 1

bug_dwarf: 1
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 1

bug_dwarf: 1
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 1

bertosens_lfu: 264
main_sequence: 27
turnoff: 1
subgiants: 1
red_giants: 1

gaviar_lbu: 2982
main_sequence: 27
turnoff: 1
subgiants: 1
red_giants: 1

bellatrix_lfu: 10172
main_sequence: 138
turnoff: 1
subgiants: 31
red_giants: 1

Remnant_dwarf: 762
main_sequence: 75
turnoff: 1
subgiants: 1
red_giants: 1

sirius_lfu: 2327
main_sequence: 153
turnoff: 1
subgiants: 1
red_giants: 2030

stars_dbu: 5.9
main_sequence: 1
turnoff: 30
subgiants: 1
red_giants: 4

substrlar: 1325
main_sequence: 1
turnoff: 8
subgiants: 1
red_giants: 1132

moog_lfu: 1171
main_sequence: 1
turnoff: 124
subgiants: 1
red_giants: 910

TheseOpenSpaces_lfu: 6851
main_sequence: 1
turnoff: 140
subgiants: 1
red_giants: 5631

Stars_dbu: 8172
main_sequence: 1392
turnoff: 1
subgiants: 1
red_giants: 6369

Stars_dbu: 1
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 1

antlerwall_lfu: 1280
main_sequence: 87
turnoff: 1
subgiants: 40
red_giants: 1

ass: 9258
main_sequence: 2433
turnoff: 1
subgiants: 1
red_giants: 5

escorif_lfu: 3714
main_sequence: 1
turnoff: 1
subgiants: 1
red_giants: 3711

Program: ['sunlar_p'

Fields: ['#'"#1" 'RG:A' 'RG' 'MSA:A' 'MS' 'MS:A:1' 'SubG' 'SubG' 'SubG' 'MS:A:1'
'Omegacen' 'Ugc_Kaze']

Fit 001
main_sequence: 341
turnoff: 1
subgiants: 1
red_giants: 1000
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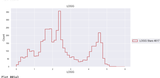
Fit 001a

Fit 001a2



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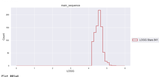

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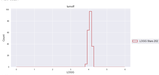

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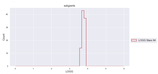

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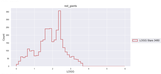
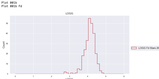


Fit 001b
Fit 001b-FH



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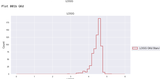

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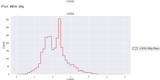

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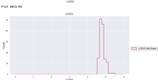

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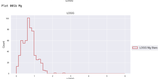

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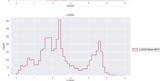
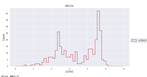


Fit 001c

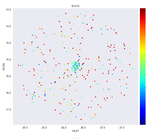
Fit 001c2

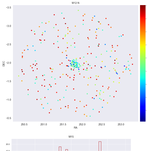
Fit 001c2

Fit 001c3



Plot 8M1LO





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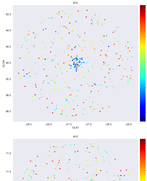

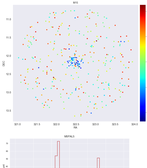

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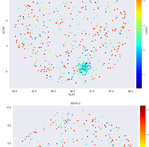

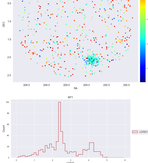

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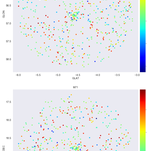

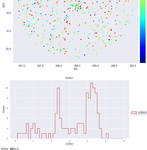

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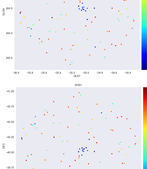

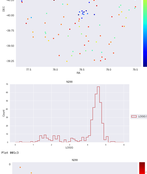

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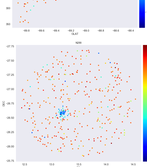

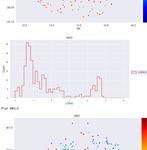

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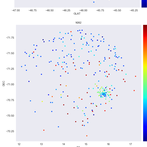

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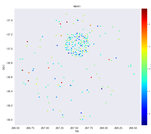

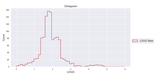

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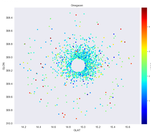
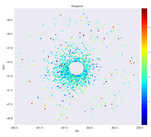
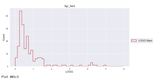
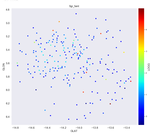
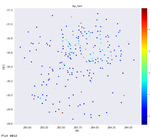






Plot 8013





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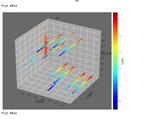

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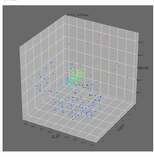
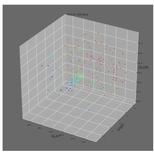
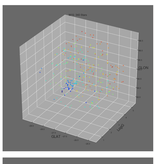
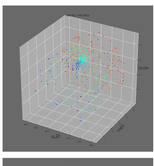
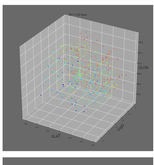
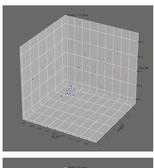


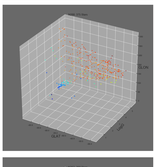


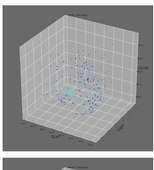


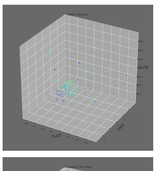


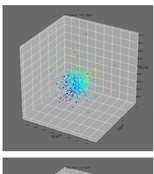


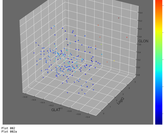




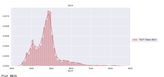








PLot 001
PLot 002



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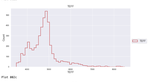
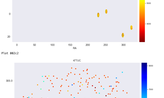


PLot 004

PLot 005



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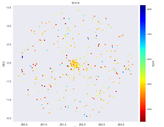

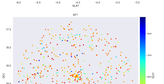

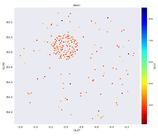

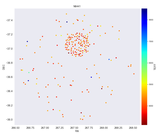

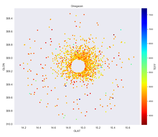

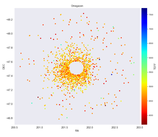

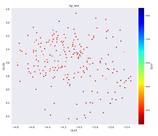

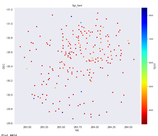

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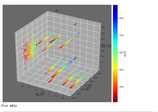

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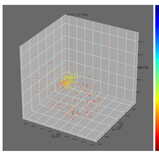

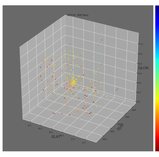

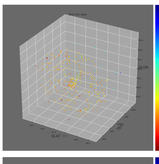

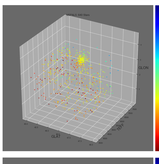

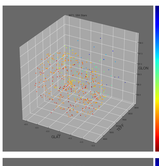

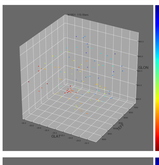

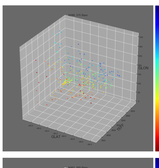

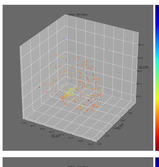

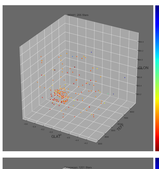

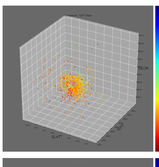

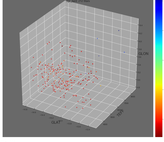
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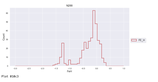

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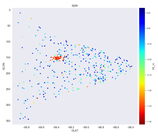
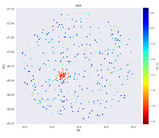
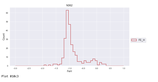
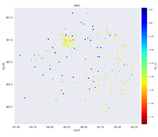
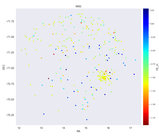


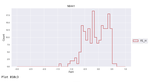




Plot EVA:3







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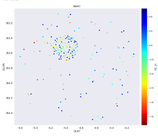

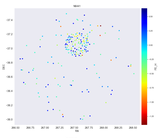

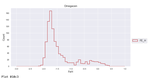

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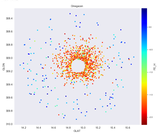
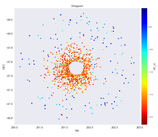
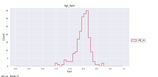
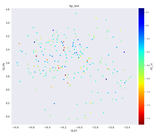
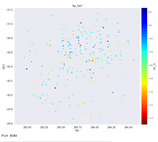


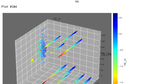




Plot EVA:3







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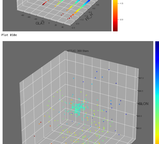

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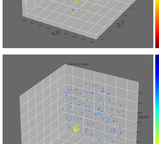
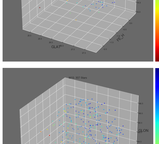
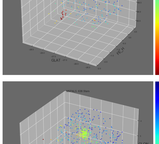
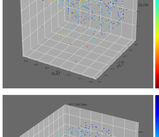
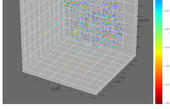
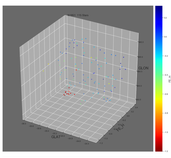


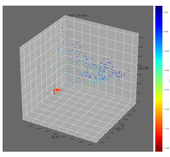


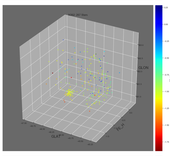


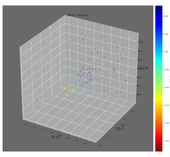


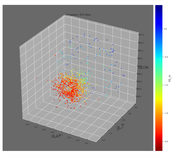


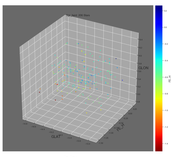




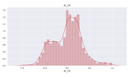








Fast Optic
Program Counter_gt Chemical Abundance



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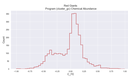

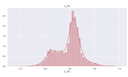

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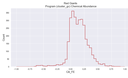

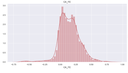

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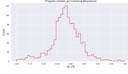

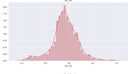

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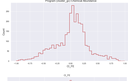

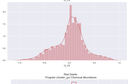

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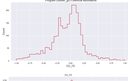

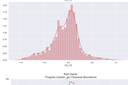

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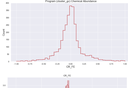

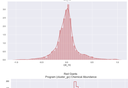

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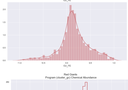

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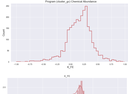

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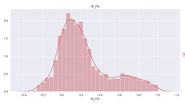

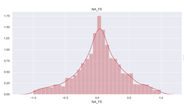

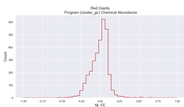

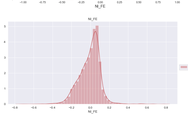

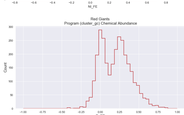

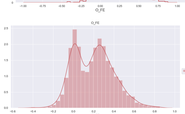

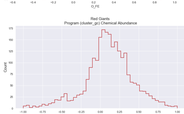

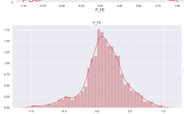

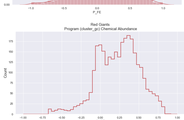

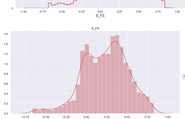

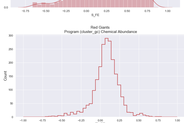

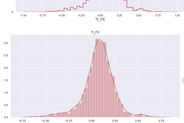

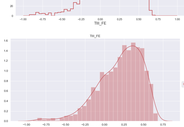

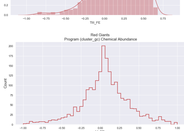

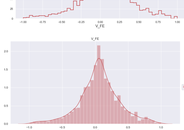

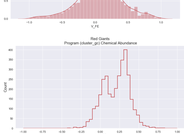

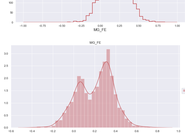

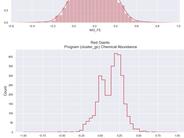

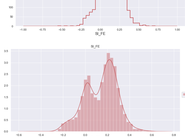


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Class K: 1287
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GKd: 668
GKg: 1287
MGc: 188
Mg: 818

All: Stars 4632

BA: Stars 26

Fd_a: Stars 76
Fd_b: Stars 56
Fd_c: Stars 79
Fd_d: Stars 25

GKd_a: Stars 108
GKd_b: Stars 108
GKd_c: Stars 219
GKd_d: Stars 68

GKg_a: Stars 1110
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GKg_c: Stars 245
GKg_d: Stars 245

Mg_a: Stars 35
Mg_b: Stars 44
Mg_c: Stars 58
Mg_d: Stars 11

Mg_a: Stars 278
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Program: cluster_gc

Done!

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