

About the data

Count of Index by Spectral Class

Deneb

Farthest_Star_Name

2,60K

Max of Distance (ly)

Deneb

Brightest_Star_Name

196,00K

Max of Luminosity (L/Lo)

Betelgeuse

Largest_Star_Name

887,10

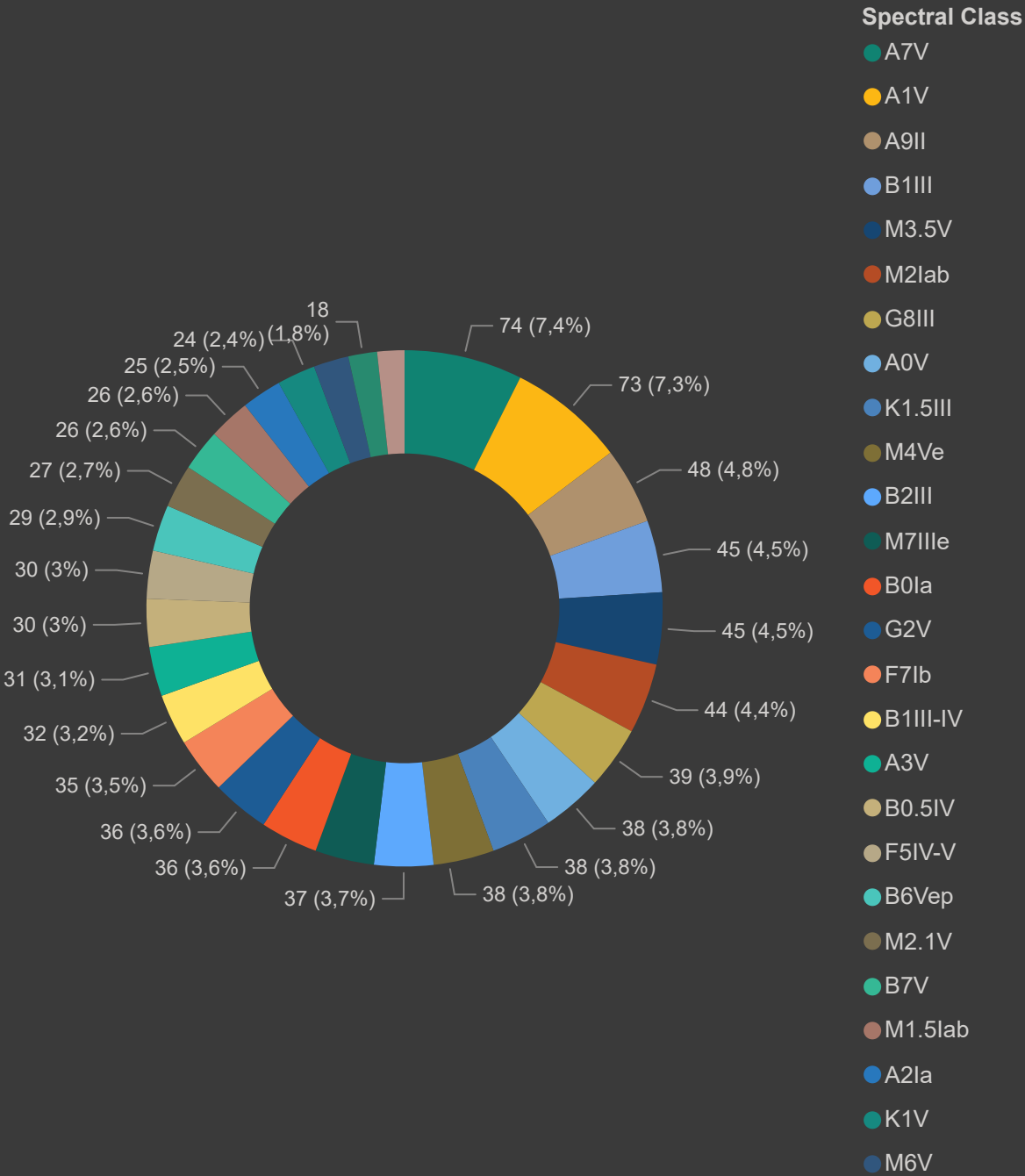
Max of Radius (R/Ro)

Acrux

Hottest_Star_Name

28,04K

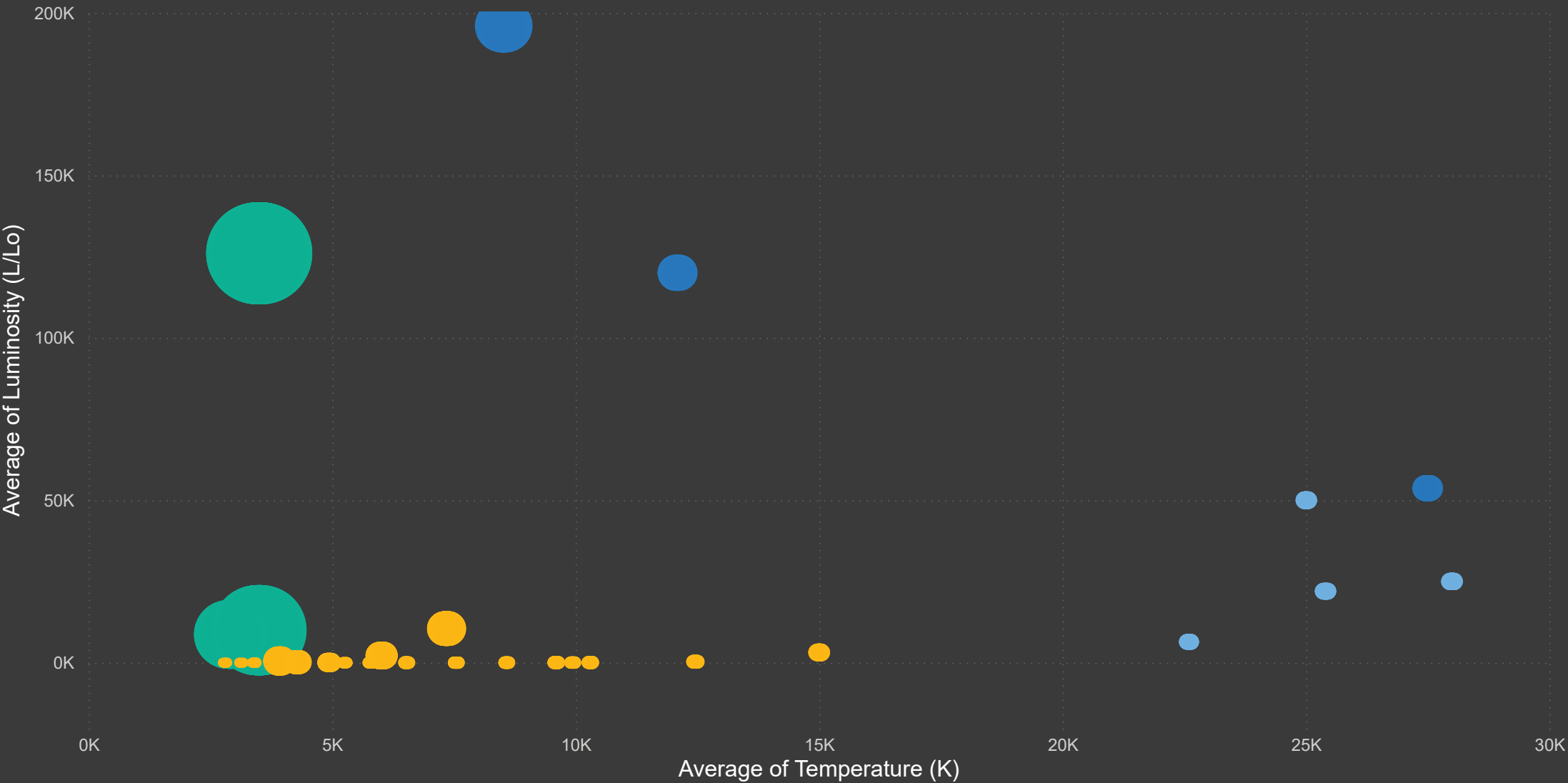
Max of Temperature (K)



H-R Diagramm

Temperature (K), Luminosity (L/L_o) and Radius (R/R_o) by Cluster

Cluster ● 1 ● 2 ● 3 ● 4



Spectral Class ▼

☐

A0V

☐

A1V

☐

A2Ia

☐

A3V

☐

A7V

☐

A9II

☐

B0.5IV

☐

B0Ia

☐

B1III

☐

B1III-IV

☐

B2III

☐

B6Vep

☐

B7V

☐

B8Ia

☐

F5IV-V

☐

F7Ib

☐

G2V

☐

G8III

☐

K1.5III

☐

K1V

☐

K5III

☐

M1.5Iab

☐

M2.1V

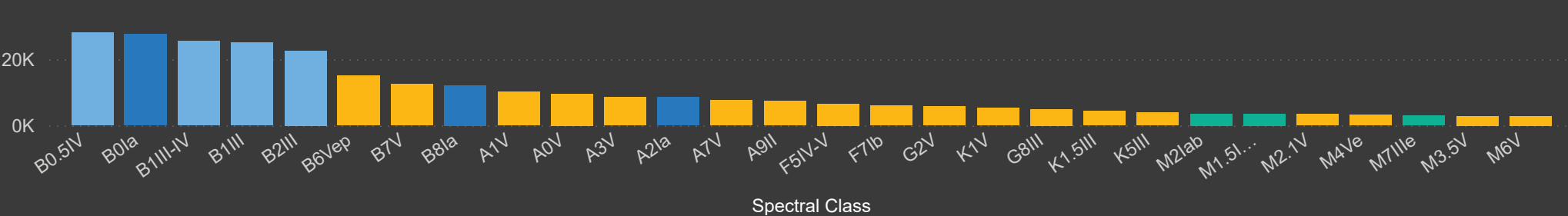
☐

M2Iab

Central tendency measures by spectral class

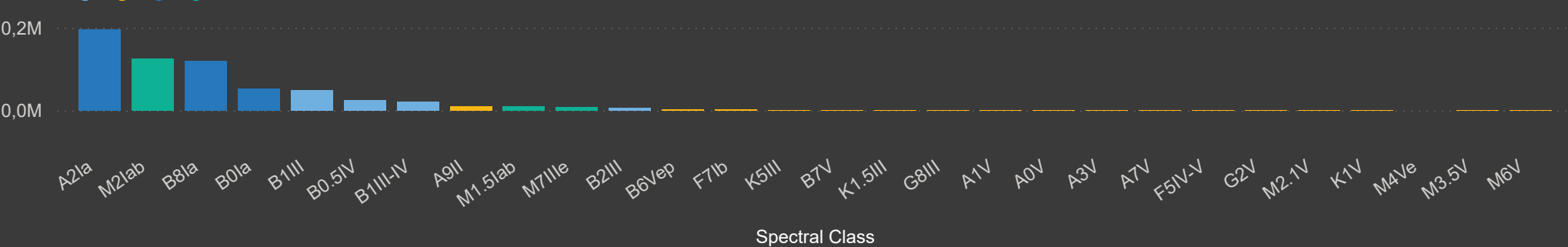
Average of Temperature (K)

Cluster 1 2 3 4



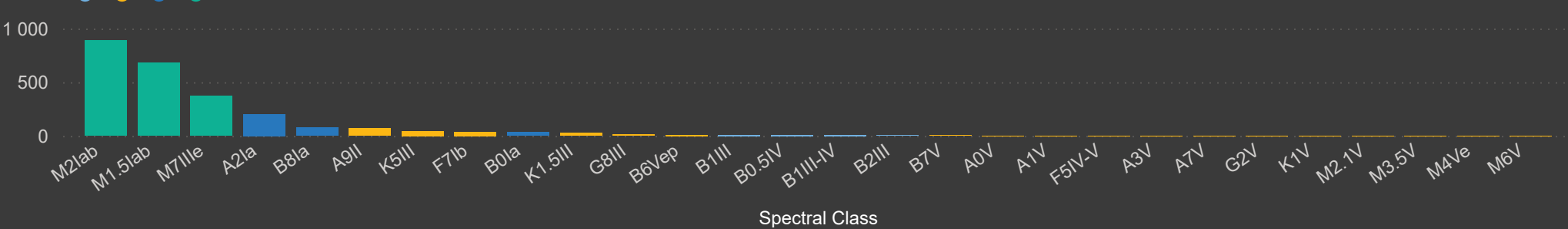
Average of Luminosity (L/L_o)

Cluster 1 2 3 4



Average of Radius (R/R_o)

Cluster 1 2 3 4



- Spectral Class
- ☐

A0V
- ☐

A1V
- ☐

A2Ia
- ☐

A3V
- ☐

A7V
- ☐

A9II
- ☐

B0.5IV
- ☐

B0Ia
- ☐

B1III
- ☐

B1III-IV
- ☐

B2III
- ☐

B6Vep
- ☐

B7V
- ☐

B8Ia
- ☐

F5IV-V
- ☐

F7Ib
- ☐

G2V
- ☐

G8III
- ☐

K1.5III
- ☐

K1V
- ☐

K5III
- ☐

M1.5Iab
- ☐

M2.1V
- ☐

M3.5V
- ☐

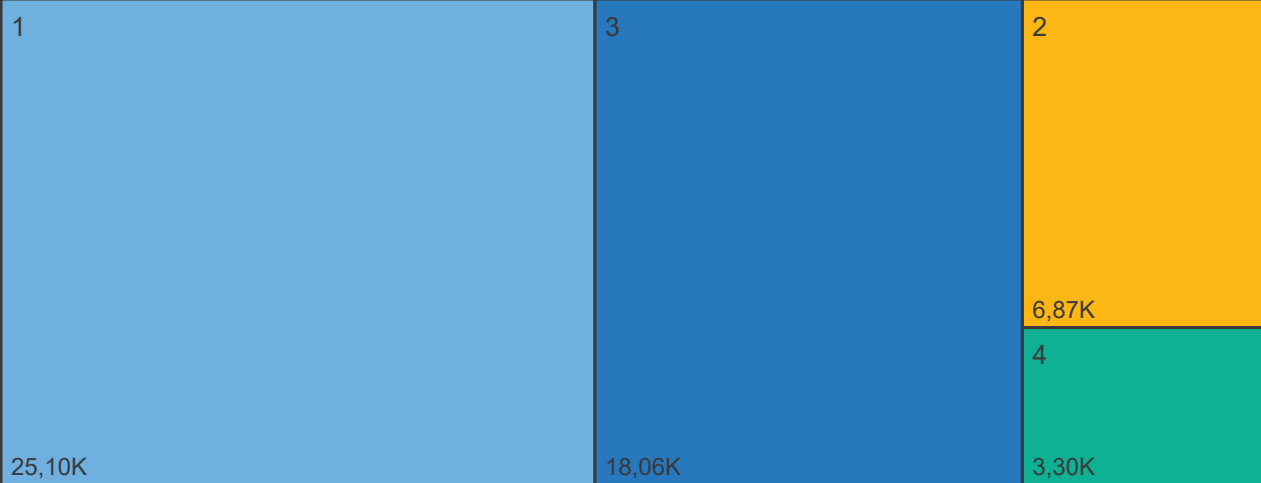
M4Ve
- ☐

M7IIIe
- ☐

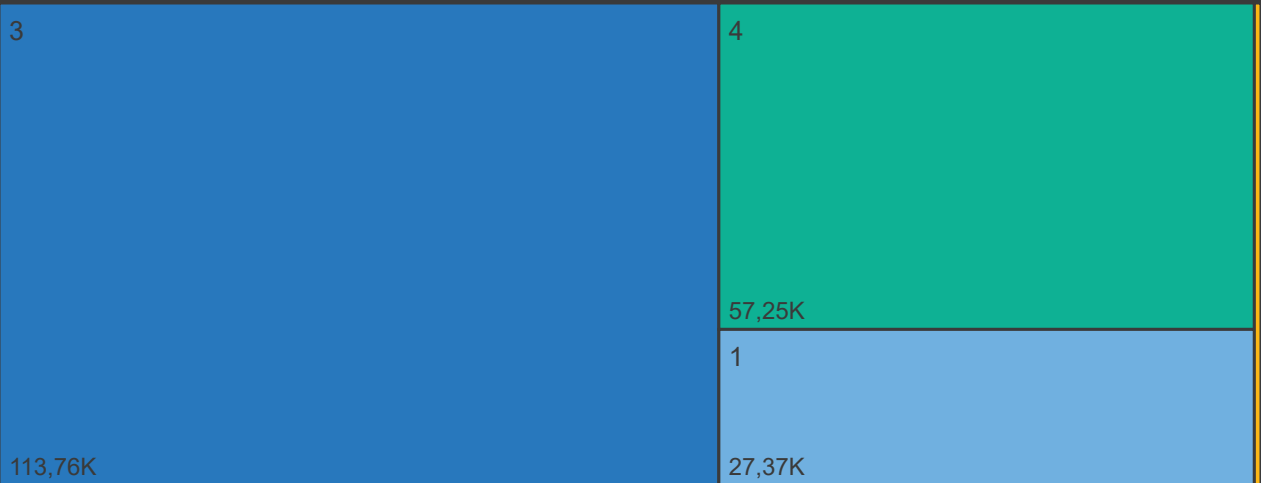
M2Iab

Central tendency measures by cluster

Average of Temperature (K) by Cluster



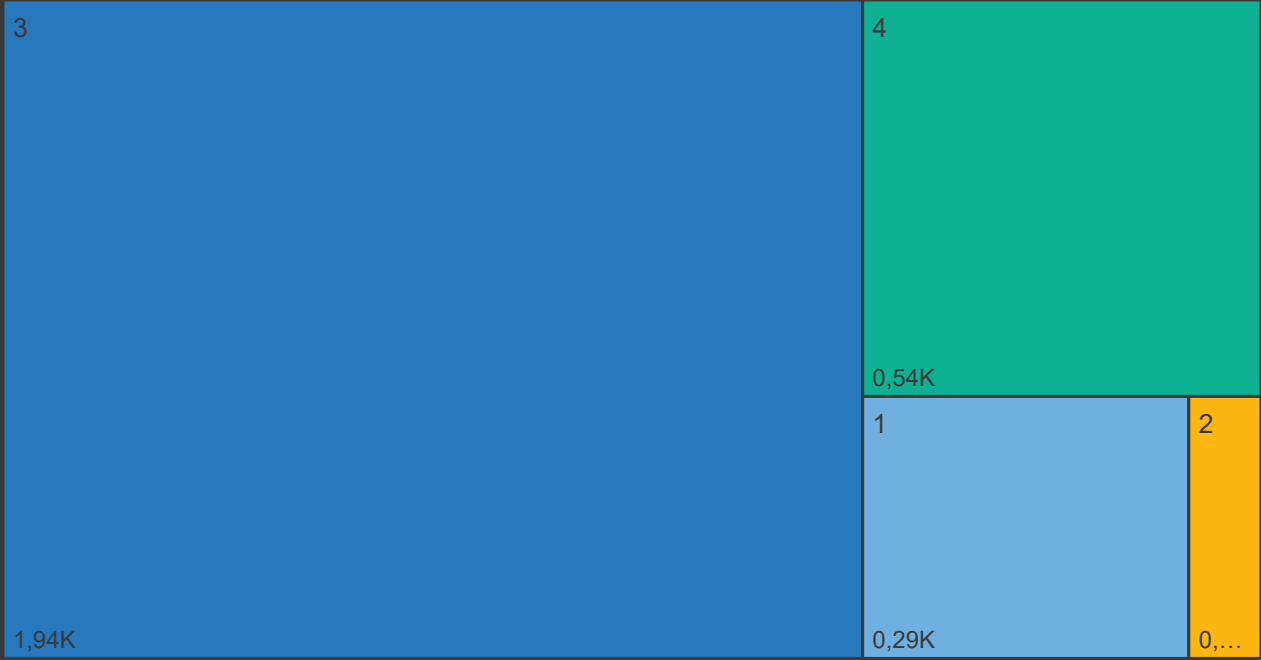
Average of Luminosity (L/Lo) by Cluster



Average of Radius (R/Ro) by Cluster



Average of Distance (ly) by Cluster



Clusters in numbers

Cluster	
1	3
2	4

9,82M

Variance of Temperature (K)

6,51K

Median of Temperature (K)

23,41

Median of Luminosity (L/L_o)

399,34

Variance of Radius (R/R_o)

1,98

Median of Radius (R/R_o)

24,55

Median of Distance (ly)

7,48M

Variance of Luminosity (L/L_o)

9,81K

Variance of Distance (ly)