**About Dataset**

**Star Type Classification**

For comparing all models of ML  
It can be used for prediction

Temperature -- K  
L -- L/Lo  
R -- R/Ro  
AM -- Mv  
Color -- General Color of Spectrum  
Spectral\_Class -- O,B,A,F,G,K,M / SMASS - <https://en.wikipedia.org/wiki/Asteroid_spectral_types>  
Type -- Red Dwarf, Brown Dwarf, White Dwarf, Main Sequence , Super Giants, Hyper Giants

TARGET:  
Type

from 0 to 5

* Red Dwarf - 0
* Brown Dwarf - 1
* White Dwarf - 2
* Main Sequence - 3
* Super Giants - 4
* Hyper Giants - 5

MATH:

Lo = 3.828 x 10^26 Watts  
(Avg Luminosity of Sun)  
Ro = 6.9551 x 10^8 m  
(Avg Radius of Sun)