```matlab
%read data from excel spreadsheet
K2 = xlsread('all stars.xlsx',1,'A3:A228284');
RA = xlsread('all stars.xlsx',1,'B3:B228284');
DEC = xlsread('all stars.xlsx',1,'C3:C228284');
Teff = xlsread('all stars.xlsx',1,'P3:P228284');
logg = xlsread('all stars.xlsx',1,'Q3:Q228284');
FeH = xlsread('all stars.xlsx',1,'R3:R228284');
KepMag = xlsread('all stars.xlsx',1,'E3:E228284');
Radius = xlsread('all stars.xlsx',1,'S3:S228284');
mass = xlsread('all stars.xlsx',1,'T3:T228284');
EBV = xlsread('all stars.xlsx',1,'W3:W228284');

%soft code for perameters
Tmin = xxxx; %sun like - 5100
Tmax = xxxx; %sun like - 6000
loggmin = xxxx; %sun like - 4
loggmax = xxxx; %sun like - 16
FeHmin = xxxx; %sun like - -.5
FeHmax = xxxx; %sun like - .5
KepMagmin = xxxx; %sun like 8
KepMagmax = xxxx; %sun like 12
Radiusmin = xxxx; %sun like - -.5
Radiusmax = xxxx; %sun like - .5
massmin = xxxx; %sun like - -.5
massmax = xxxx; %sun like - .5
EVBmin = xxxx; % sun like - .5
EVBmax = xxxx; %sun like - .7

%eliminate data outside parameter
Teff(Teff<Tmin) = NaN;
Teff(Teff>Tmax) = NaN;
logg(logg<loggmin) = NaN;
logg(logg>loggmax) = NaN;
FeH(FeH<FeHmin) = NaN;
FeH(FeH>FeHmax) = NaN;
KepMag(KepMag<KepMagmin) = NaN;
KepMag(KepMag>KepMagmax) = NaN;


A = [K2 Teff logg FeH KepMag]; %intsert desired data
B = isnan(A);
[aa, index]=ismember(B,[0 0 0 0 0],'rows'); %eliminate NaN data (zeros must match number of
columns)
A_mod = A(aa,:);
a1 = A_mod(:,1); %separate into individual columns
a2 = A_mod(:,2);
a3 = A_mod(:,3);
a4 = A_mod(:,4);
a5 = A_mod(:,5);
C = [a1 a2 a3]; %create matrix of desired data
T = table(a1,a2,a3,a4,a5)
format long g; %siable scientific notation
```