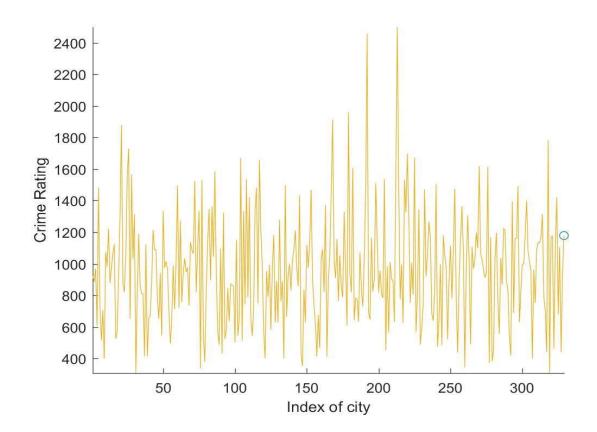
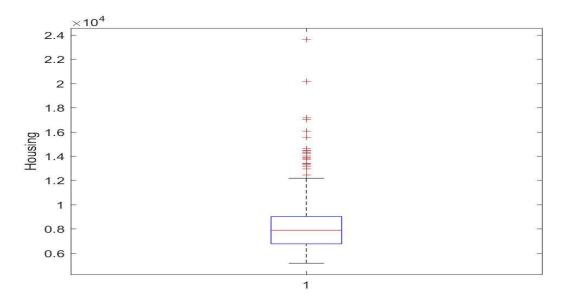
MP1 Following codes are in mp1.m

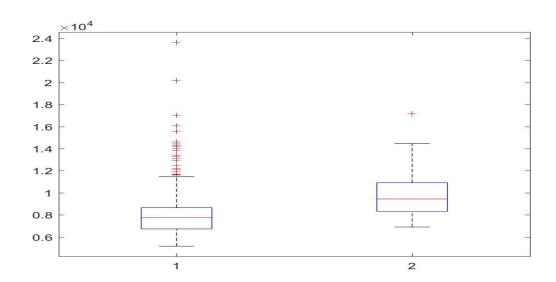
# 1.1



2.1



2.2

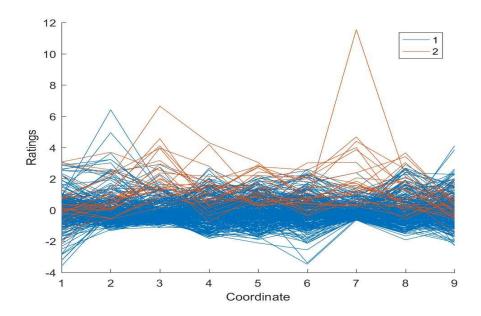


```
>> a = [ratings,group];

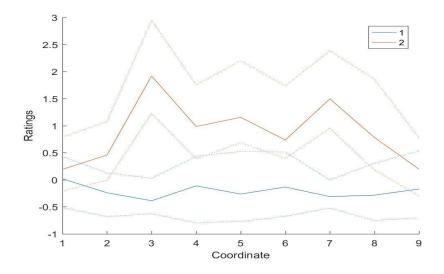
coxplot(a(:,2),a(:,10))

>>
```

## 3.1



3.2
>> parallelcoords(ratings, 'group', group, 'standardize', ...
'on', 'quantile', .25);
ylabel('Ratings');



3.3 Health is the coordinate 3 and education is 6,

The red line (group 2) is better both in health and education.

### MP3

### 3.a

```
function [V,v] = Edit_Dist(str1,str2)
m=length(str1);
n=length(str2);
v=zeros(m+1,n+1);
for i=1:1:m
    v(i+1,1)=i;
end
for j=1:1:n
   v(1,j+1)=j;
for i=1:m
   for j=1:n
        if (str1(i) == str2(j))
           v(i+1,j+1)=v(i,j);
           v(i+1,j+1)=1+min(min(v(i+1,j),v(i,j+1)),v(i,j));
        end
    end
end
V=v(m+1, n+1);
End
%question 1%
fileID = fopen('customers.csv');
C = textscan(fileID,'%s %s %s %s %s %s %s',...
'Delimiter',',','EmptyValue',-Inf);
fclose(fileID);
Lastname = C\{4\};
Dist = zeros(401, 401);
for i = 2:401
    for ii = 2:401
        Dist(i,ii) = Edit Dist(Lastname{i,1}, Lastname{ii,1});
    end;
end;
```

#### 3.b