

```
1 function [X, X2] = preprocessing(X,X2)
2
3 [raw col] = size(X);
4
5 mean_val = zeros(col,1);
6 for i=1:col
7     mean_val(i) = mean(X(:,i));
8     for j=1:raw
9         if X(j,i) > mean_val(i)
10             X(j,i) = 1;
11         else
12             X(j,i) = 0;
13         end
14     end
15 end
16
17 [raw col] = size(X2);
18
19 for i=1:col
20     for j=1:raw
21         if X2(j,i) > mean_val(i)
22             X2(j,i) = 1;
23         else
24             X2(j,i) = 0;
25         end
26     end
27 end
28
```