
Data Seperation

```
function [feature_train,label_train,feature_test,label_test] =  
    dataseparation(diabeticdata)  
warning off;  
label_dataset = (diabeticdata(:,end));  
label_dataset(find(strcmp(table2cell(label_dataset), 'NO')),1) =  
    {'3'};  
label_dataset(find(strcmp(table2cell(label_dataset), '>30')),1) =  
    {'2'};  
label_dataset(find(strcmp(table2cell(label_dataset), '<30')),1) =  
    {'1'};  
label_dataset = double(cell2mat(table2cell(label_dataset)))-48;  
cv = cvpartition(label_dataset, 'Kfold', 2);  
feature_train = (diabeticdata(find(cv.training(1)==1),1:49));  
label_train = (label_dataset(find(cv.training(1)==1)));  
feature_test = (diabeticdata(find(cv.training(1)==0),1:49));  
label_test = (label_dataset(find(cv.training(1)==0)));  
end
```

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