

confusion matrix

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```
answerkey=[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1  
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3  
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3  
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4  
4 4 4 4 4 4 4 4 4 4 4];  
answers=[0 0 0 0 0 0 1 2 1 2 2 0 2 2 2 0 0 2 1 0 0 0 0 0 0 2 2 0 2 2 2  
2 2 2 0 2 0 0 0 2 2 2 2 0 2 1 2 2 1 1 1 1 3 3 3 3 4 4 1 1 1 3 3 4 1 1  
2 1 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 3 3 4 4 4 1 0  
2 2 0 0 2 0 0 2 2 2 3 0 0 3 2 2 3 4 0 0 2 0 2 2 0 4 2 2 2 1 1 2 2 2 0  
0 2 0 2 4 3 3 1 2 2 3 2 2 2 2 0 2 2 2 1 1 4 4 3 3 3 3 0 2 2 2 2 2 3 3  
3 3 3 3 3 3 3 3 3 3 3 3 1 2 1 1 1 1 3 2 1 1 1 2 1 1 3 3 3 0 0 0 4 4 1  
2 2 1 2 2 0 1 1 4 4 0 2 2 1 1 1 1 1 1 1 2 2 2 2 2 4 4 4 2 2 2 2 2 2 4  
4 4 4 4 3 3 3 3 3];  
C=confusionmat(answerkey, answers);  
confusionchart(C,{ 'Beach', 'River', 'Airplane', 'Baseball'  
Diamond', 'Harbor' });
```



