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Pattern Recognition HW2 Report

Bengisu_Sahin_152120191064_HW2.ipynb

Dosya Düzenle Göster Ekle Çalışma zamanı Araçlar Yardım Son kaydedilme tarihi: 15:11

Yorum Paylaş

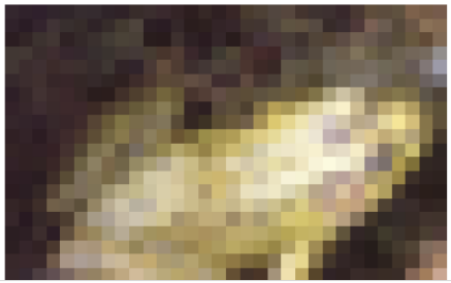
+ Kod + Metin

```
[19]    #counted class number is sorted to find class_name. max_index_col holds class name
        max_index_col = np.argmax(class_count, axis=0)

        #return class name
        return max_index_col
```

```
#TEST CODE 1
print("**************************************************PICTURE FROM TEST DATA , ITS ACTUAL LABEL AND KNN RESULT IS BELOW.(K=5)**********
sample_test = x_test[19,:]
k=5
print("Actual Class Label:", y_test[19])
print("Actual Class Label name corresponding to the main class: ",categories[y_test[19][0]])
similar_class_name = knnCustomSimilarity(x_train, y_train, sample_test, k )
print("Predicted Class Label:", similar_class_name)
print("Predicted Class Label name corresponding to the main class: ",categories[similar_class_name[0]])
display_image(sample_test)
```

```
**************************************************PICTURE FROM TEST DATA , ITS ACTUAL LABEL AND KNN RESULT IS BELOW.(K=5)**************************************************
Actual Class Label: [6]
Actual Class Label name corresponding to the main class:  frog
Predicted Class Label: [6]
Predicted Class Label name corresponding to the main class:  frog
```



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Merhaba Bengisu!

Google Hesabınızı yönetin

Diğer hesapları göster

Gizlilik Politikası • Hizmet Şartları

Bağlandı: Python 3 Google Compute Engine arka uç