Classification

```
pickle
              keras.models
                                   Sequential
              keras.layers
                                   Conv2D, MaxPooling2D, Flatten,
                                                                    Dense
         x = pickle.load(open('x.pkl','rb'))
In [24]:
Out[24]:
```

```
x.shape
model = Sequential()
```

model.add(MaxPooling2D((2,2)))

```
model.add (MaxPooling2D((2,2))
        model.add(Flatten
        model.add(Dense
                           input shape = x.shape
                                                    activation =
        model.add(Dense
                         activation =
        model.compile(optimizer = 'adam', loss =
                   metrics = ['accuracy'])
       history = model.fit(x,y,epochs = 10, validation_split = 0.2,batch_size
           In [34]:
       history.history.keys
Out[34]:
        sns.lineplot(data = history.history
```

