LIME TECHINIQUE VISUALISATION GOTTEN FROM DATASET INTERPRETABILITY. IMAGE WAS UNABLE TO DISPLAY IN GITHUB

Code//

pip install lime

import lime.lime\_tabular

explainer = lime.lime\_tabular.LimeTabularExplainer(training\_data=X\_train.values,

feature\_names=X\_train.columns,

class\_names=['No Disease', 'Disease'],

mode='classification')

sample\_instance = X\_test.iloc[0].values

explanation = explainer.explain\_instance(sample\_instance, model.predict\_proba, num\_features=len(X\_train.columns))

explanation.show\_in\_notebook()

//Patient 1.

A screenshot of a computer

Description automatically generated

//Patient 2

sample\_instance = X\_test.iloc[1].values

explanation = explainer.explain\_instance(sample\_instance, model.predict\_proba, num\_features=len(X\_train.columns))

explanation.show\_in\_notebook()

A screenshot of a computer

Description automatically generated