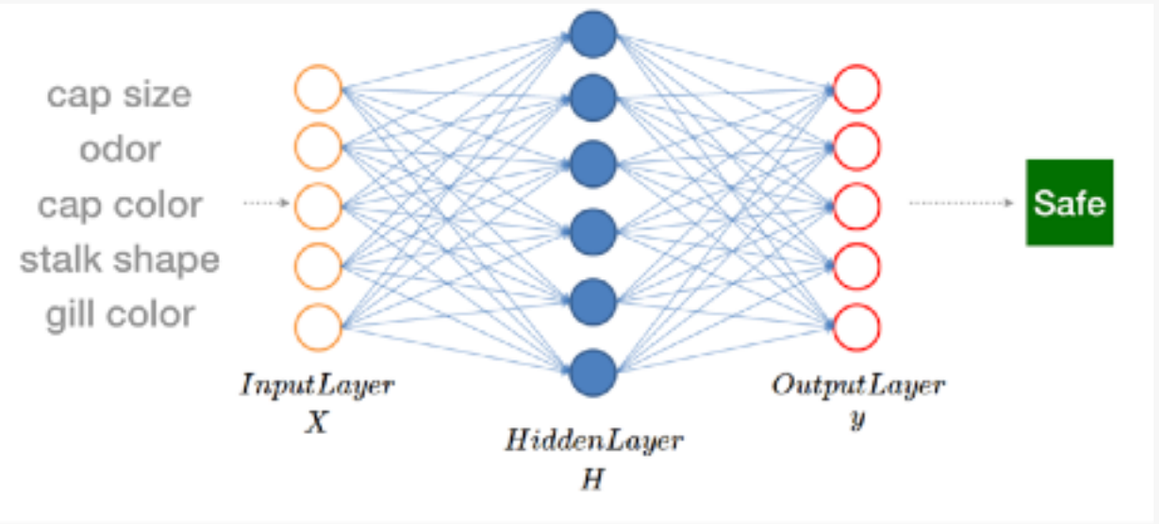


```
model = Sequential()
model.add(Dense(128, input_shape = (len(X_train.columns),)))
model.add(Dropout(0.5))
model.add(Dense(64))
model.add(Dropout(0.5))
model.add(Dense(1, activation = 'sigmoid'))

model.compile(optimizer = 'rmsprop',
              loss = 'binary_crossentropy',
              metrics = ['accuracy'])

model.fit(X_train,
          y_train,
          epochs = 50,
          batch_size = 256,
          validation_data = (X_val, y_val))
```

LIME

Local Interpretable Model-agnostic Explanations

"Why Should I Trust You?": Explaining the Predictions of Any Classifier (Aug 2016) by Ribeiro et al