

Data Preprocessing

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```
import pandas as pd

import numpy as np

import seaborn as sns

import matplotlib.pyplot as py

from sklearn.metrics import accuracy_score

from sklearn.preprocessing import StandardScaler

from sklearn.model_selection import train_test_split

from sklearn.ensemble import RandomForestClassifier

import pickle


df=pd.read_csv("Heart_Disease_Prediction.csv")

x=df.iloc[:, :-1].values

y=df.iloc[:, -1].values


std=StandardScaler()

x=std.fit_transform(x)


x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2)


model=RandomForestClassifier()

model.fit(x_train,y_train)

predictions=model.predict(x_test)
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accuracy = accuracy_score(y_test,predictions)
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```
def predict_heart_disease(parameter_list):
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    return model.predict(parameter_list)[0]
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```
pickle.dump(model, open('model.pkl','wb'))
```