

Topic: Heart Disease Prediction Using Machine Learning
Dataset: UCI heart disease dataset

ID	AUTHOR	DATASET	ALGORITHM	ACCURACY	DATE
1	Karan Bhanot	UCI heart disease dataset	K Neighbors Classifier	87%	Feb 13, 2019
			Support Vector Classifier	83%	
			Decision Tree Classifier	79%	
			Random Forest Classifier	84%	
2	FARES SAYAH	UCI heart disease dataset	Logistic Regression	86.81	July 2021
			K-nearest neighbors	86.81	
			Support Vector Machine	87.91	
			Decision Tree Classifier	78.02	
			Random Forest Classifier	82.42	
			XGBoost Classifier	82.42	
3	<ul style="list-style-type: none">• Nabaouia Louridi,• Samira Douzi &	UCI heart disease dataset	XGBoost classifier	92.37%	20 Sep 2020

	<ul style="list-style-type: none"> <u>Bouabid</u> <u>El</u> <u>Ouahidi</u> 		Gradient Boost	90.27%.	
			stacking algorithm	95.83%	
4	V.V. Ramalingam*, Ayantan Dandapath, M Karthik Raja	UCI heart disease dataset	SVM	94.12%	March 2018
			KNN	83.16%	
			Naïve Bayes	83.49%	
			Decision Tree	82%	
			Support Vector Machine	93%	
			SVM and Naïve Bayes classifiers	98%	
			Random Forest	97.7%	
5	Malavika G1 , Rajathi N2 , Vanitha V3 and Parameswari P	UCI heart disease dataset	Logistic Regression	88.52%	11 Nov 2020
			K- Nearest Neighbor	88.52%	

			Support Vector Machine	88.52%	
			Decision Tree	78.68%	
			Naïve Bayes	88.52%	
			Random Forest	91.80%	
6	1Rishabh Magar, 2Rohan Memane, 3Suraj Raut	UCI heart disease dataset	Logistic Regression algorithm	82.89%	June 2020
			Naive Bayes	80.43%	
			Decision tree	80.43%	
			SVM	81.57%	

My Work:

Dataset: UCI heart disease dataset

Result:

Decision Tree : 70.49180327868852

KNN : 86.89

Random Forest : 80.30000000000001

Naive Bayes : 86.9

SVM : 85.24590163934425

