Machine learning

Svm, knn, random, naïve bayes, decision tree

CNN

Convolutional neural network

Images

Lung cancer present

Or absent

1. Dataset gathering

Kaggle===100

Two categories

Training== model trained==228

Testing== accuracy(20)====54

1. Dataset pre-processing

Image resize===224\*224

1. Data augmentation228\*5===900

Data augmentation

rotate

brightness change

image

zoom

Trained dataset increase

1. Model creation and training

CNN

1. Convolutional layer

Extracting the features from image

Filters/kernels

image

features

X

1. Max pooling
2. Flattening layer
3. Fully connected layer
4. accuracy