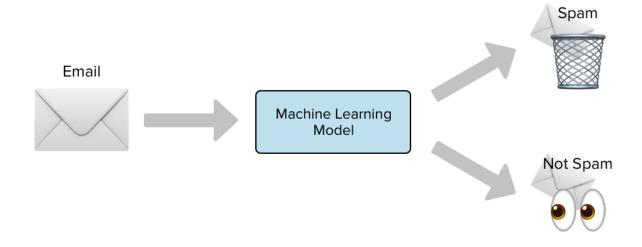
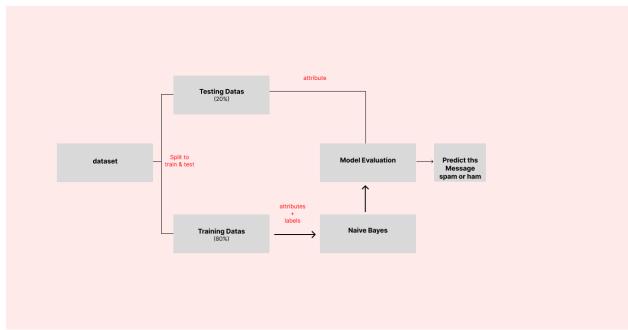
Spam Detection

Diagram:



Flow char:



Code:

```
# import modules

# load the data
import pandas as pd

# spliting the data into training and testing
from sklearn.acide_selection import train test split
from sklearn.acide_selection import train test split
from sklearn.acide_bayes import MultinomialmB

# to see the accuracy
from sklearn.acide_bayes import MultinomialmB

# to see the accuracy
from sklearn.acide_bayes import accuracy_score, classification_report

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# import the dataset
data = pd.read_table('StSspanCollection', sep='\t', names=['label', 'message'])

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# split the data into traing & testing
X.train, X.test, Y.train, y.test = train_test_split(data['message'], data['label'])
print('totel number of data in the sets: ()'.format(data.shape))
print('totel number of data in the training: ()'.format(X.test.shape))

# totel number of data in the training: ()'.format(X.test.shape))

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```

Output: