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Code dilakukan pada google collab
import pandas as tu
real = tu.read csv("realnews.csv")
fake = tu.read csv("fakenews.csv")
real['News Category'] = "RealNews"
fake['News Category'] = "FakeNews"
Table = tu.concat([real, fake])
import seaborn as sea
sea.countplot(Table['News Category']);
Table.isnull().sum()
import matplotlib.pyplot as plat
data['isu'].value counts()
plat.figure(figsize = (10,10))
sea.countplot(data['isu']);
plat.figure(figsize = (10,10))
chart = sea.countplot(x = "News Category", hue = "isu", data = Table , palet
te = 'muted')
sea.set style("darkgrid")
chart.set xticklabels(chart.get xticklabels(),rotation=90)
Table['isu'] = Table['berita jakarta'] + " " + Table['isu']
Table = Table.drop(['berita jakarta', 'link/page', 'tanggal'], axis=1)
from wordcloud import WordCloud
import nltk
nltk.download('stopwords')
wordcloud = WordCloud(width = 800, height = 800,
                background color ='white',
                stopwords = stopwords.words('english')
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, min font size = 10).generate(" ".join(Table[Table['News
Category'] == "FakeNews"].isu))
plat.figure(figsize = (8, 8), facecolor = None)
plat.imshow(wordcloud)
plat.axis("off")
plat.tight layout(pad = 0)
plat.show()
wordcloud = WordCloud(width = 800, height = 800,
                background color ='white',
                stopwords = stopwords.words('english')
                , min font size = 10).generate(" ".join(Table[Table['News
Category'] == "RealNews"].isu))
plat.figure(figsize = (8, 8), facecolor = None)
plat.imshow(wordcloud)
plat.axis("off")
plat.tight layout(pad = 0)
plat.show()
import sklearn
from sklearn.model selection import train test split
x train, x test, y train, y test = train test split(data['isu'], data['News Ca
tegory'], test size=0.2, random state = 1)
from sklearn.feature extraction.text import TfidfTransformer
from sklearn.feature extraction.text import CountVectorizer
from sklearn.feature extraction.text import TfidfVectorizer
from sklearn.pipeline import Pipeline
from sklearn.naive bayes import MultinomialNB
from sklearn.metrics import accuracy score
import sklearn.metrics as metrics
from mlxtend.plotting import plot confusion matrix
from sklearn.metrics import confusion matrix
pipe = Pipeline([
    ('vect', CountVectorizer()),
    ('tfidf', TfidfTransformer()),
```