

Black Friday sales prediction code:

```
import pandas as pd

import numpy as np

from sklearn.model_selection import train_test_split

from sklearn.feature_extraction.text import CountVectorizer

from sklearn.naive_bayes import MultinomialNB

from sklearn.metrics import accuracy_score

# Sample data (replace this with your dataset)

data = {

    'text': ["The Black Friday sale is here! Get 50% off on all electronics.",

            "I can't wait for Black Friday deals!",

            "Amazing discounts this Black Friday!",

            "Huge Black Friday sale at our store!",

            "Black Friday is coming soon. Prepare for the best deals!",

            "Don't miss out on our Black Friday discounts!",

            "Black Friday is around the corner. Stay tuned for exciting offers!",

            "Get ready for Black Friday. Huge discounts await you!",

            "Sign up now for exclusive Black Friday offers!",

            "This Black Friday, shop till you drop with our amazing deals!",

            "The Black Friday sale starts at midnight. Don't miss it!",

            "Black Friday is finally here! Shop now for the best deals!"],

    'sales': [10000, 15000, 20000, 25000, 30000, 35000, 40000, 45000, 50000, 55000, 60000,

65000]

}

# Creating a DataFrame

df = pd.DataFrame(data)

# Feature extraction

vectorizer = CountVectorizer()
```

```

X = vectorizer.fit_transform(df['text'])

# Splitting the data into training and testing sets

X_train, X_test, y_train, y_test = train_test_split(X, df['sales'], test_size=0.2, random_state=42)

# Training the model

model = MultinomialNB()
model.fit(X_train, y_train)

# Making predictions

y_pred = model.predict(X_test)

# Evaluating the model

accuracy = accuracy_score(y_test, y_pred)
print("Accuracy:", accuracy)

# Predicting sales for new data

new_data = ["Get ready for the biggest Black Friday sale ever!",
            "Don't miss our exclusive Black Friday deals!",
            "Amazing discounts await you this Black Friday!"]

X_new = vectorizer.transform(new_data)
predicted_sales = model.predict(X_new)

for i in range(len(new_data)):
    print(f"Predicted sales for '{new_data[i]}': {predicted_sales[i]}")

```

Black Friday sales prediction output:

Accuracy: 0.0

Predicted sales for 'Get ready for the biggest Black Friday sale ever!': 65000

Predicted sales for "Don't miss our exclusive Black Friday deals!": 65000

Predicted sales for 'Amazing discounts await you this Black Friday!': 65000