import pandas as pd

import numpy as np

from sklearn import preprocessing

import matplotlib.pyplot as plt

plt.rc("font", size=14)

from sklearn.linear\_model import LogisticRegression

import seaborn as sns

sns.set(style="white")

sns.set(style="whitegrid", color\_codes=True)

data = pd.read\_csv('bank.csv', header=0)

data = data.dropna()

print(data.shape)

print(list(data.columns))

sns.countplot(x='y',data=data, palette='hls')

plt.show()

data.isnull().sum()

sns.countplot(y="job", data=data)

plt.show()

sns.countplot(x="marital", data=data)

plt.show()

sns.countplot(x="default", data=data)

plt.show()

sns.countplot(x="housing", data=data)

plt.show()

sns.countplot(x="loan", data=data)

plt.show()

data2 = pd.get\_dummies(data, columns =['job', 'marital', 'default', 'housing', 'loan', ])

data2.drop(data2.columns[[12, 16, 18, 21, 24]], axis=1, inplace=True)

data2.columns

sns.heatmap(data2.corr())

plt.show()