Module 14 Classification Assignment (Save your program as logmodel.py)

Add these import statements to the top of your program :

import pandas as pd

from sklearn.model_selection import train_test_split

from sklearn.linear_model import LogisticRegression

Download the data file bankmarketing.xlsx from Canvas

Your Tasks:

1. Review the Data Dictionary tab (worksheet) in the bankmarketing.xlsx file
2. Read data from xlsx file and store data in dataframe variable named df
3. prepare your data for logistic regression analysis (create dummy variables, split train/test datasets, etc.)
    a. use sklearn to split the dataset into train and test datasets using a 80-20 split with a random seed value of 20
4. Create a LogisticRegression object instance and name it Log_model
5. Perform logistic regression Using the fit method with the training data
6. Obtain predicted y values and store the results in a variable named predicted_y
7. Obtain model score and store it in a variable named mod_score