http://127.0.0.1:5000/united_states?state=florida&capital=tallahassee

6406531884889. http://127.0.0.1:5000?state=florida&capital=tallahassee

TDS

Section Id :	64065338324
Section Number :	7
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	62
Number of Questions to be attempted :	62
Section Marks :	70
Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065380387
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 156 Question Id : 640653563868 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL :TOOLS IN DATA SCIENCE (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406531884898. ✔ YES

6406531884899. ✖ NO

Sub-Section Number :	2
Sub-Section Id :	64065380388
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 157 Question Id : 640653563869 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The dataset consists of geographic, demographic information about countries and their respective GDPs. You would like to visualize this data and study the relationship between the location of countries and their GDPs. You decide to use Power BI to visualize the dataset. But you would also like to generate a summary of the data. Choose the most suitable answer among the given options.

Options :

6406531884900. ✖ The summary can be generated using Quill and this is possible because Quill can be used as an extension in Power BI.

6406531884901.

✖ Quill can only be used for visualization. Therefore a summary of the dataset cannot be generated.

6406531884902. ✖ Power BI does not support generation of summary. Therefore using other visualization tools such as Tableau would work.

6406531884903. ✔ None of the options are appropriate for the generation of summary for the given question.

Question Number : 158 Question Id : 640653563870 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Your project requires you to study the districts and their respective health indicators. You have a shapefile with you that provides the required details. The objective of the project is to identify and carve out districts that present high levels of health indicators. Choose the most suitable answer among the given options.

Options :

6406531884904. ✔ QGIS can be used to create the shapefiles for districts with high levels of health indicators.

6406531884905. ✖ While QGIS can be used to create shapefiles for the requirement, it cannot be used to identify the districts with high levels of health indicators.

6406531884906. ✖ QGIS cannot be used to meet the objectives of the project.

6406531884907. ✖ None of the options are suitable to meet the objectives of the project.

Question Number : 159 Question Id : 640653563871 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

What are the two outputs provided by the Excel Azure Machine Learning plugin?

Options :

6406531884908. ✖ Percentage, Score

6406531884909. ✖ Sentiment, Percentage

6406531884910. ✔ Sentiment, Score

6406531884911. ✖ Score, Labels

Question Number : 160 Question Id : 640653563874 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The dataset consists of year, annual cotton production, annual rainfall, loan interest rates and fuel prices. You would like to compute the correlation coefficient between annual cotton production and other variables in the dataset to analyze the effects of various variables on the target variable. Choose the most suitable option among the following choices:

Options :

6406531884920. ✖ Excel cannot be used to compute correlation coefficients. Although we can use excel to visualize the data using scatter plots to study the relationships.

6406531884921. ✖ The CORREL() function in Excel is not suitable for this analysis because it doesn't take more than two variables as inputs.

6406531884922. ✖ Correlation coefficients cannot be computed for continuous variables.

6406531884923. ✔ None of the options are appropriate.

Question Number : 161 Question Id : 640653563875 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

You would like to prepare your dataset before analysis. You choose python pandas-profiling library to perform exploratory analysis. Choose the most suitable option among the given choices:

Options :

6406531884924. ✖ Your choice of pandas-profiling library is not appropriate because it does not provide information about outliers.

6406531884925. ✔ Your choice is appropriate because the pandas-profiling library provides information about outliers.

6406531884926. ✖ pandas-profiling library is appropriate because it helps build models.

Question Number : 162 Question Id : 640653563877 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Comicgen is a useful tool in narrating data stories using comics. Which of the following is not a function of comicgen?

Options :

6406531884931. ✖ Comicgen creates comic characters

6406531884932. ✖ Comicgen provides options to custom create different comic characters and their emotions and pose

6406531884933. ✖ Comicgen can be easily integrated into Google sheets or Excel to narrate your data stories

6406531884934. ✔ You can type in your data story into comicgen to get your comic in return

Question Number : 163 Question Id : 640653563878 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A very large Matrix **A** has a lot of zero entries in it.Which function from the *scipy* library is useful in efficient storage of such a matrix **A**?

Options :

6406531884935. ✖ compressed_mat

6406531884936. ✖ comp_mat

6406531884937. ✔ csr_matrix

6406531884938. ✖ zip_mat

Question Number : 164 Question Id : 640653563879 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following libraries has functions and tools that are useful in the analysis of large graphs?

Options :

6406531884939. ✔ scikit-network

6406531884940. ✖ pandas-network

6406531884941. ✖ numpy-network

6406531884942. ✖ pd-network

Question Number : 165 Question Id : 640653563880 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Kumu is a tool that allows you to:

Options :

6406531884943. ✖ Visualize project management charts

6406531884944. ✖ create stunning dashboards for large projects

6406531884945. ✖ merge Comicgen characters into a comic

6406531884946. ✔ Visualize complex network data

Question Number : 166 Question Id : 640653563881 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following libraries has functions extensively written to extract data from Wikipedia pages?

Options :

6406531884947. ✖ BeautifulSoup

6406531884948. ✖ wikimedia

6406531884949. ✔ wikipedia

6406531884950. ✖ wiki_scrape

Question Number : 167 Question Id : 640653563882 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A dataset provided to you has information about countries and respective populations. You plan to visualize the data in Tableau using the map representation. But you are unable to do so because the map representation is not activated for you to choose. What might be the issue?

Provided below is a snapshot of the dataset column names and types. Choose the most appropriate option that would solve the problem.

Column Name	Column Type
Country	String
Population	Integer

Options :

6406531884951. ✖ The provided dataset is incomplete

6406531884952. ✖ We also need Latitude and Longitude information to activate the map representation

6406531884953. ✔ There might be column type incompatibility issues

6406531884954. ✖ The above information provided would not have caused any issues. It is sufficient for map representation

Question Number : 168 Question Id : 640653563884 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

_____ is helpful to understand the structure of (or inspect) a website before writing a scraping script.

Options :

6406531884957. ✖ BeautifulSoup

6406531884958. ✔ Developer Tools

6406531884959. ✖ Airflow

6406531884960. ✖ Pycaret

Question Number : 169 Question Id : 640653563885 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

_____ library has tools to get a webpage's html contents into Python.

Options :

6406531884961. ✖ BeautifulSoup

6406531884962. ✖ numpy

6406531884963. ✔ requests

6406531884964. ✖ get

Question Number : 170 Question Id : 640653563887 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Type of location (tourist/historic/etc.) can be retrieved using Nominatim in Python

Options :

6406531884969. ✔ TRUE

6406531884970. ✖ FALSE

Question Number : 171 Question Id : 640653563888 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following delimiters cannot be used in text-to-column function in Excel?

Options :

6406531884971. ✖ Comma (,)

6406531884972. ✖ Tab (\t)

6406531884973. ✖ Semi colon (;)

6406531884974. ✖ Tilde (~)

6406531884975. ✔ None of these

Question Number : 172 Question Id : 640653563889 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

What is the y-axis in autocorrelation plot?

Options :

6406531884976. ✔ Correlation

6406531884977. ✖ Covariance

6406531884978. ✖ Standard deviation

6406531884979. ✖ Variance

6406531884980. ✖ None of these

Question Number : 173 Question Id : 640653563890 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following tools cannot be used for anonymising the data?

Options :

6406531884981. ✖ Anonimatron

6406531884982. ✖ ARX anonymization tool

6406531884983. ✔ PowerBI

6406531884984. ✖ Amnesia

6406531884985. ✖ sdcMicro

Question Number : 174 Question Id : 640653563891 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

For a one-time anonymization, static anonymization is sufficient. Is this statement true or false?

Options :

6406531884986. ✔ TRUE

6406531884987. ✖ FALSE

Question Number : 175 Question Id : 640653563896 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

We have a variable X, which can take values AA, BB, or CC. The first 4 values of this variable in a dataset are CC, AA, BB, AA. This information is represented as shown below.

AA	BB	CC
0	0	1
1	0	0
0	1	0
1	0	0

To convert a variable to this format in Python, one can use:

Options :

6406531885000. ✔ pandas.get_dummies

6406531885001. ✖ from sklearn.preprocessing import BinaryEncoder

6406531885002. ✖ import numpy as np

6406531885003. ✖ import seaborn as sb

Question Number : 176 Question Id : 640653563897 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

k-means is typically influenced by the start values. What option in sklearn.cluster.KMeans helps reduce the impact?

Options :

6406531885004. ✖ verbose

6406531885005.

✖ algorithm

6406531885006. ✔ n_init

6406531885007. ✖ init

Question Number : 177 Question Id : 640653563898 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A Pandas dataframe *DF* has a column named *salary_range* which contains the salary details of 10000 employees of a firm binned as *medium, high, and very high*. You are interested in finding out the number of employees in each category of *salary_range*. Which of the following commands will help you to achieve this goal?

Options :

6406531885008. ✖ DF['salary_range'].bin_count()

6406531885009. ✔ DF['salary_range'].value_counts()

6406531885010. ✖ DF$'salary_range.bin_count()

6406531885011. ✖ DF$'salary_range.value_counts()

Question Number : 178 Question Id : 640653563899 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Scikit-learn has a DecisionTreeClassifier module that is useful in building decision tree classifiers. Suppose, our dataset is imbalanced in class. Which feature in the DecisionTreeClassifier() will help us tackle this problem?

Options :

6406531885012. ✖ random_state

6406531885013. ✖ min_sample_split

6406531885014. ✖ class_balance

6406531885015. ✔ class_weight

Question Number : 179 Question Id : 640653563900 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

We have predictions (*y_hat*) on a train dataset of 100 records. Let *y* be the true value. We are interested in calculating **Sum_i=1 to 100: |y_i-y_hat_i|/100.** Which of the following functions will help you in achieving this easily?

Options :

6406531885016. ✔ from sklearn.metrics import mean_absolute_error

6406531885017. ✖ from sklearn.metrics import median_absolute_error

6406531885018. ✖ from sklearn.metrics import median_absolute_percentage_error

6406531885019. ✖ from sklearn.metrics import average_absolute_percentage_error

Question Number : 180 Question Id : 640653563901 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

We are interested in fitting an ARIMA model to our time series data. Specifically, we are interested in a moving average model of 0, setting a lag value of 4 for autoregression, and a difference order of 1. Which of the following gives you such a model?

Options :

6406531885020. ✖ ARIMA(..., trend = (4,1,0))

6406531885021. ✔ ARIMA(..., order = (4,1,0))

6406531885022. ✖ ARIMA(..., order = (0,4,1))

6406531885023. ✖ ARIMA(..., trend = (0,4,1))

Question Number : 181 Question Id : 640653563902 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

pycaret is a

Options :

6406531885024. ✖ Visualization tool

6406531885025. ✖ Dashboard helper

6406531885026. ✔ low-code machine learning library

6406531885027. ✖ Data cleaning solution

Question Number : 182 Question Id : 640653563903 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

subjectivity and polarity are two properties returned by the sentiment function of library:

Options :

6406531885028. ✖ TextBulb

6406531885029. ✖ NLPtext

6406531885030.

✔ TextBlob

6406531885031. ✖ NLP

Question Number : 183 Question Id : 640653563904 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A subjectivity score of 0.8 means that the text statement:

Options :

6406531885032. ✖ has a positive sentiment

6406531885033. ✖ has a negative sentiment

6406531885034. ✔ is more of an opinion statement

6406531885035. ✖ is more of a factual statement

Question Number : 184 Question Id : 640653563905 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A *polarity* score of negative 0.5 means that the text statement:

Options :

6406531885036. ✖ has a positive sentiment

6406531885037. ✔ has a negative sentiment

6406531885038. ✖ is more of an opinion statement

6406531885039. ✖ is more of a factual statement

Question Number : 185 Question Id : 640653563906 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

You are working on a piece of code that classifies different fruits into its respective groups (citrus, berries, melons, apples & pears, and tropical & exotic). Which of the following loss functions from *Keras* would you pick for the task?

Options :

6406531885040. ✖ binary_crossentropy

6406531885041. ✔ categorical_crossentropy

6406531885042. ✖ mean_squared_error

6406531885043. ✖ mean_absolute_error

Question Number : 186 Question Id : 640653563907 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

classification_report function from the sklearn.metrics module

Options :

6406531885044. ✖ builds a decision tree classifier and prints the accuracy of the classifier

6406531885045. ✖ reports the root mean square error of the model

6406531885046. ✖ runs different classification models and compares the results

6406531885047. ✔ builds a text report displaying the main classification metrics

Question Number : 187 Question Id : 640653563908 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

csr_matrix from the scipy library:

Options :

6406531885048. ✖ always helps reduce matrix space

6406531885049. ✔ helps reduce matrix space when there are a lot of zero entries in the matrix

6406531885050. ✖ helps reduce matrix space when there are a lot of negative entries in the matrix

6406531885051. ✖ makes matrix multiplication more meaningful and powerful

Question Number : 188 Question Id : 640653563910 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Google Studio is a tool that allows you to

Options :

6406531885056. ✖ merge Comicgen characters into a comic

6406531885057. ✖ visualize complex network data

6406531885058. ✔ create dashboards for small scale projects

6406531885059. ✖ Edit photographs and videos

Question Number : 189 Question Id : 640653563911 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following tabs is used to identify API calls in the Inspect element in any browser?

Options :

6406531885060. ✔ Network

6406531885061. ✖ Elements

6406531885062. ✖ Console

6406531885063. ✖ Sources

Question Number : 190 Question Id : 640653563912 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following libraries is used to construct API urls?

Options :

6406531885064. ✔ Urllib

6406531885065. ✖ BeautifulSoup

6406531885066. ✖ Requests

6406531885067. ✖ Pandas

Question Number : 191 Question Id : 640653563913 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The final output from the BBC Weather Location Service API is in JSON format:

Options :

6406531885068. ✔ TRUE

6406531885069. ✖ FALSE

Question Number : 192 Question Id : 640653563914 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which among the following excel charts is the most suitable for detecting outliers in the data?

Options :

6406531885070. ✖ Bar chart

6406531885071. ✖ Line chart

6406531885072. ✔ Box and Whisker chart

6406531885073. ✖ Histogram

Question Number : 193 Question Id : 640653563916 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which among the following features in excel enables you to scrape data from websites?

Options :

6406531885076. ✖ Data Analysis Toolpak

6406531885077. ✖ Connections

6406531885078. ✖ Data Validation

6406531885079. ✔ None of these

Question Number : 194 Question Id : 640653563917 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Assume the data provided to you has a column that consists of sales dates. You would want to extract the week number from the column for further analysis.

Which among the following excel function enables you to perform the above-mentioned task?

Options :

6406531885080. ✖ WEEKGET()

6406531885081. ✖ GETWEEKNUM()

6406531885082. ✔ WEEKNUM()

6406531885083. ✖ NUMWEEK()

Question Number : 195 Question Id : 640653563918 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The data consists of caloric intake, weight and BMI of individuals. To compute the correlation coefficients between these three variables, excel ‘data analysis toolpak’ requires you to specify the input variables and target variables.

Options :

6406531885084. ✖ TRUE

6406531885085. ✔ FALSE

Question Number : 196 Question Id : 640653563919 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

What is the purpose of using the "find" method in Beautiful Soup?

Options :

6406531885086. ✖ To locate all instances of a particular HTML tag in a document.

6406531885087. ✖ To retrieve the text content of a specific HTML element.

6406531885088. ✖ To extract the value of a particular attribute of an HTML tag.

6406531885089. ✔ To search for a tag with a specific name or id within an HTML document.

Question Number : 197 Question Id : 640653563920 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which of the following is true about the k-means clustering algorithm?

Options :

6406531885090. ✖ It is a supervised learning algorithm.

6406531885091. ✖ It is only applicable for datasets with a small number of features.

6406531885092. ✔ It is sensitive to the initial choice of centroids.

6406531885093. ✖ It is not suitable for datasets with categorical variables.

Question Number : 198 Question Id : 640653563922 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Nominatim api can be used to find the type of place for a given latitude and longitude.

Options :

6406531885098. ✔ TRUE

6406531885099. ✖ FALSE

Question Number : 199 Question Id : 640653563923 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

A time series with a significant autocorrelation at lag 1 implies that:

Options :

6406531885100. ✔ The current observation is correlated with the previous observation

6406531885101. ✖ The current observation is correlated with the observation two time steps ago

6406531885102. ✖ The current observation is correlated with the observation three time steps ago

6406531885103. ✖ None of these

Question Number : 200 Question Id : 640653563924 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The sentiment analysis function in TextBlob

Options :

6406531885104. ✖ Classifies text as either positive or negative

6406531885105. ✖ Classifies text into multiple categories of sentiment

6406531885106. ✔ Calculates a numerical score for the sentiment of the text

6406531885107. ✖ None of these

Question Number : 201 Question Id : 640653563925 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

From the below options identify the correct one that provides explanation of the file structure in Tableau

1. worksheet	a. contains a sequence of worksheets or dashboards that work together to convey information.
2. dashboard	b. contains a single view along with shelves, legends, and the Data pane.
3. story	c. is a collection of views from multiple worksheets.

Options :

6406531885108. ✖ 1a,2b,3c

6406531885109. ✔ 1b,2c,3a

6406531885110. ✖ 1c,2a,3b

6406531885111. ✖ 1a,3c,2b

Question Number : 202 Question Id : 640653563926 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Identify the type of join used below

Options :

6406531885112. ✖ Outer

6406531885113. ✖ Left

6406531885114. ✔ Inner

6406531885115. ✖ Right

Question Number : 203 Question Id : 640653563928 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Which attribute does not belong to the category of data while categorizing data based on specifics of the disclosure risks from which a dataset is to be protected?

Options :

6406531885120. ✖ Identifying attributes

6406531885121. ✖ Quasi-identifying attributes

6406531885122. ✖ Sensitive attributes

6406531885123. ✖ Insensitive attributes

6406531885124. ✔ Non identifying attributes

Question Number : 204 Question Id : 640653563929 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

One of the methods of removing outliers for continuous data is:

Options :

6406531885125. ✔ IQR analysis

6406531885126. ✖ EQR analysis

6406531885127. ✖ OQR analysis

6406531885128. ✖ None of these

Question Number : 205 Question Id : 640653563930 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

You decided to encode a categorical variable using one-hot encoding. What happens to your dataframe when it is done:

Options :

6406531885129. ✔ Number of columns will increase

6406531885130. ✖ Number of rows will increase

6406531885131. ✖ Both rows and columns will increase

6406531885132. ✖ None of these

Question Number : 206 Question Id : 640653563931 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

_____ table in Excel is a way of quickly summarizing your data

Options :

6406531885133. ✔ Pivot table

6406531885134. ✖ Pilot table

6406531885135. ✖ Summary table

6406531885136. ✖ Summarize table

Sub-Section Number : 3

Sub-Section Id : 64065380389

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 207 Question Id : 640653563872 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Provided below is an incomplete code snippet that enables you to compute distance between two locations. Choose the most appropriate option that can be used in place of **<missing line>** to compute the distance. Assume the coordinates of location one is stored in the variable "location1" and the coordinates of location 2 is stored in the variable "location2".

Code Snippet:

```
distances_km = []

for row in df.itertuples(index=False):
    distances_km.append(
        <missing line>
    )

df['Distance'] = distances_km
df.head(10)
```

Options :

6406531884912. ✖ geopy.distance(location1, location2).km

6406531884913. ✖ geopy.distance(location1, location2)

6406531884914. ✔ geopy.distance.distance(location1, location2).km

6406531884915. ✖ geopy.distance.distance.distance(location1_coord, location2_coord).km

Question Number : 208 Question Id : 640653563873 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Provided below is a snippet of the code block of HTML tags from a website providing weather forecast. Your goal is to scrape the high and low values for the 10-day temperature forecast.

```
<div class="wr-day-temperaturehigh">
        <span class="wr-day-temperature__high-label wr-hide-visually">High</span>
                <span class="wr-day-temperature__high-value">
                <span class="wr-value--temperature ">
                <span class="wr-value--temperature--c">31°</span>
                <span class="wr-hide"> </span>
                <span class="wr-value--temperature--f">87°</span>
                </span>
        </span>
</div>
<div class="wr-day-temperaturelow">
        <span class="wr-day-temperature__low-label wr-hide-visually">Low</span>
                <span class="wr-day-temperature__low-value">
                <span class="wr-value--temperature ">
                <span class="wr-value--temperature--c">21°</span>
                <span class="wr-hide"> </span>
                <span class="wr-value--temperature--f">71°</span>
                </span>
        </span>
</div>
```

Also provided below, is the python code to extract values from the tags. But the tags represented as <A> and <B> are missing. Choose the most appropriate tag that will get you the high and low values for the 14-day temperature forecast..

```
#Daily High Values
daily_high_values = soup.find_all('span', attrs={'class': '<B>'})

#Daily Low Values
daily low values  = soup.find all('span', attrs={'class': '<A>'})
```

Options :

6406531884916. ✖

<A> = wr-value--temperature--f
<B> = wr-value--temperature--c

6406531884917. ✖
<A> = wr-value--temperature--c
<B> = wr-value--temperature--c

6406531884918. ✔
<A> = wr-day-temperature low
<B> = wr-day-temperature high

6406531884919. ✖
<A> = low-label wr-hide-visually
<B> = high-label wr-hide-visually

Question Number : 209 Question Id : 640653563876 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

The given piece of code extracts and displays details of **9 scheduled airlines**. in India. Identify which block of code executes without any errors.

Options :

6406531884927. ✔

```
import requests

import pandas as pd

from bs4 import BeautifulSoup
website_url =
requests.get('https://web.archive.org/web/20220603020500/https://en.
wikipedia.org/wiki/List_of_airlines_of_India').text

soup = BeautifulSoup(website_url,'html.parser')

required_table = soup.find_all('table')[0]

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df
```

```
import requests

import pandas as pd

from bs4 import BeautifulSoup
website_url =
requests.get('https://web.archive.org/web/20220603020500/https://en.
wikipedia.org/wiki/List_of_airlines_of_India').text

required_table = soup.find_all('table')[1]

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df
```

6406531884928.

```
import get

import pandas as pd

from bs4 import BeautifulSoup
website_url = get.requests
('https://web.archive.org/web/20220603020500/https://en.wikipedia.or
g/wiki/List_of_airlines_of_India').text

soup = BeautifulSoup(website_url,'html.parser')

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df
```

6406531884929.

```
import requests

import pandas as pd

from bs4 import BeautifulSoup

soup = BeautifulSoup(website_url,python.html')

required_table = soup.find_all('table')[0]

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df
```

6406531884930.

Question Number : 210 Question Id : 640653563883 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Logical calculations in tableau helps to determine if a certain condition is true or false. Is the following expression valid ?

```
IF [Profit] > 0 THEN 'Profitable' ELSEIF [Profit] = 0 THEN
'Breakeven' ELSE 'Loss'
```

Options :

6406531884955. ✖ TRUE

6406531884956. ✔ FALSE

Question Number : 211 Question Id : 640653563886 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Which among the following code blocks will get you the latitude and longitude of “IIT Madras”? Assume the Nominatim library is imported using the command given below:

```
from geopy.geocoders import Nominatim
```

Options :

6406531884965. ✖

```
location = locator.geocode("IIT Madras, Chennai, India")
print("Latitude = {}, Longitude = {}".format(location.latitude,
location.longitude))
```

6406531884966. ✖

```
locator = Nominatim(user_agent="myGeocoder")
      location = locator.geocode("IIT Madras, Chennai, India")
print("Latitude = {}, Longitude = {}")
```

```
locator = Nominatim(user_agent="myGeocoder")
      location = locator.geocode("IIT Madras, Chennai, India")
      print("Latitude = {}, Longitude =
{}".format(location.latitude, location.longitude))
```

6406531884967. ✔

```
locator = Nominatim(user_agent="myGeocoder")
      print("Latitude = {}, Longitude =
{}".format(location.latitude, location.longitude))
```

6406531884968. ✖

Question Number : 212 Question Id : 640653563895 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

We have a variable X, which can take values AA, BB, or CC. The first 4 values of this variable in a dataset are CC, AA, BB, AA. The format of representing this information as shown in the table below is called:

AA	BB	CC
0	0	1
1	0	0
0	1	0
1	0	0

Options :

6406531884996. ✖ multi-col format

6406531884997. ✔ one - hot encoding

6406531884998. ✖ long format

6406531884999. ✖ integer

Question Number : 213 Question Id : 640653563915 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

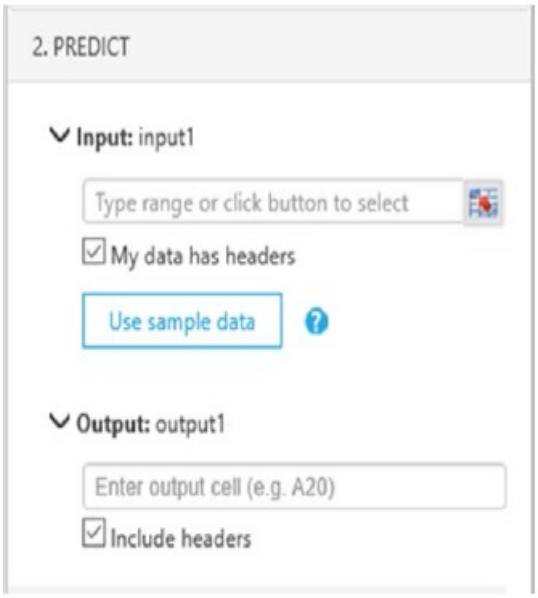
Correct Marks : 2

Question Label : Multiple Choice Question

Provided below is a snapshot of the dataset which consists of movie reviews and respective labels.

	A	B
1	review	sentiment
2	One of the other reviewers has	positive
3	A wonderful little production. <	positive
4	I thought this was a wonderful v	positive
5	Basically there's a family where	negative
6	Petter Mattei's "Love in the Tim	positive
7	Probably my all-time favorite m	positive
8	I sure would like to see a resurr	positive
9	This show was an amazing, fresh	negative
10	Encouraged by the positive com	negative
11	If you like original gut wrenchin	positive

To compute the sentiment scores the Azure Machine Learning add-in requires input and output values. In the figure provided below the input and output cells need to be populated with appropriate values to obtain sentiment scores.



Choose the most appropriate option that enables you to predict sentiment scores using the Excel Azure Machine Learning add-in.

Options :

6406531885074. ✔ Input: Sheet1!A1:A11
Output: Sheet!C1

6406531885075. ✖ Input: Sheet1!B1:B11
Output: Sheet!C1

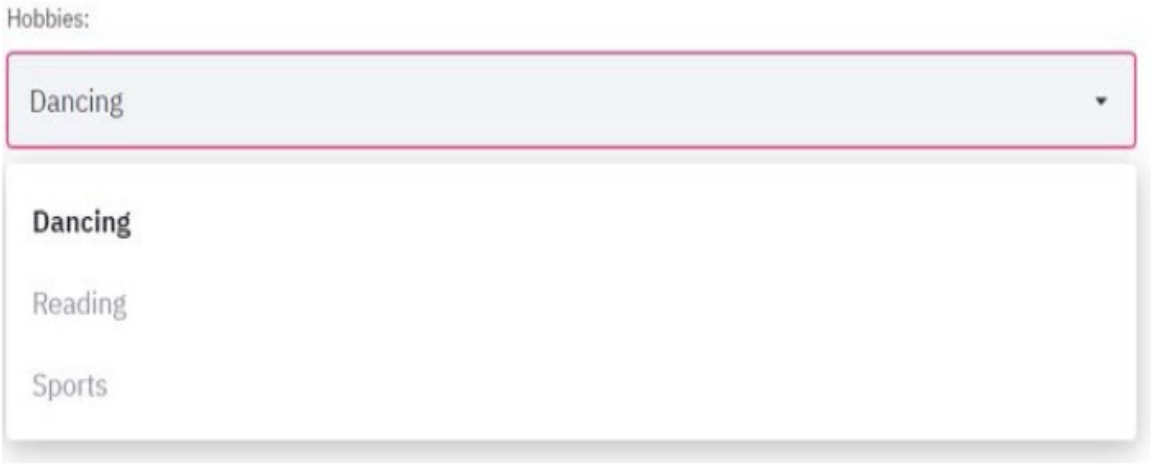
Question Number : 214 Question Id : 640653563927 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

In Streamlit, how do you create the following image

[assumption : import streamlit as st]



Options :

6406531885116. ✔ st.selectbox("Hobbies: ",['Dancing','Reading','Sports'])

6406531885117. ✖ st.selectbox("Hobbies: ",{{'Dancing','Reading','Sports'}})

6406531885118. ✖ st.write("Hobbies: ",['Dancing','Reading','Sports'])

6406531885119. ✖ None of these

Sub-Section Number :	4
Sub-Section Id :	64065380390
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 215 Question Id : 640653563909 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Selectable Option : 0

Question Label : Multiple Select Question

scikit-network package contains functions for (select all correct sentences):

Options :

6406531885052. ✖ analysis of faults in a computer network

6406531885053. ✔ social network analysis

6406531885054. ✔ analysis of large graphs

6406531885055. ✖ enhancing one’s social network

Question Number : 216 Question Id : 640653563921 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Selectable Option : 0

Question Label : Multiple Select Question

Which of the following are methods of the Beautiful Soup object?

Options :

6406531885094. ✔ find()

6406531885095. ✖ get()

6406531885096. ✔ find_all()

6406531885097. ✔ prettify()

Sub-Section Number :	5
Sub-Section Id :	64065380391
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 640653563892 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (217 to 218)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 217 Question Id : 640653563893 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

We are analyzing how much the number of lecture hours attended by students affects their exam scores. Which Excel function would you use as a starting point in this analysis?

Options :

6406531884988. ✖ STDEV.P()

6406531884989. ✖ STDEV.S()

6406531884990. ✔ SLOPE()

6406531884991. ✖ EXACT()

Question Number : 218 Question Id : 640653563894 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

In the previous question, we plan to run a regression analysis after the preliminary analysis. Which of the following features provide you with the capability to do this?

Options :

6406531884992. ✔ Data Analysis Toolpak

6406531884993. ✖ Regression Analyzer

6406531884994. ✖ Regression ToolBokz

6406531884995. ✖ OptSol finder

BDM

Section Id :	64065338325
Section Number :	8
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	15
Number of Questions to be attempted :	15
Section Marks :	40
Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065380392
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 219 Question Id : 640653563932 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : BUSINESS DATA MANAGEMENT (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?

CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS