

```
class Userapi(Resource):
    @marshal_with(output)
    def get(self):
        user=User(1,"iitm", "bs@ds.study.iitm.ac.in")
        return user
```

6406532040776. ✖

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6406532040777. ✖

```
class Userapi(Resource):
    def get(self):
        user=User(1,"iitm", "bs@ds.study.iitm.ac.in")
        return marshal(user, output)
```

6406532040778. ✔

TDS

Section Id :	64065341310
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
Section Negative Marks :	0

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 :	64065388052
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 150 Question Id : 640653611067 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 :

6406532040779.  YES

6406532040780.  NO

Sub-Section Number :	2
Sub-Section Id :	64065388053
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 151 Question Id : 640653611068 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 analysis metric slope can be observed through which of the following ways?

Options :

6406532040781. ✖ Trend Line in Line Chart

6406532040782. ✖ SLOPE function

6406532040783. ✔ Both Trend Line in Line Chart and SLOPE function

6406532040784. ✖ None of these

Question Number : 152 Question Id : 640653611069 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

Quill provides the option to turn on/off, for displaying the individual comments from the narrative generation process?

Options :

6406532040785. ✔ TRUE

6406532040786. ✖ FALSE

Question Number : 153 Question Id : 640653611070 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 use of fertilizers affects the agricultural yield of the farmers.

Which Excel function would you use as a starting point in this analysis?

Options :

6406532040787. ✖ STDEV.P()

6406532040788. ✖ STDEV.S()

6406532040789. ✔ SLOPE()

6406532040790. ✖ EXACT()

Question Number : 154 Question Id : 640653611071 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 score in TextBlob ranges from _____.

Options :

6406532040791. ✔ 0 to 1

6406532040792. ✖ -1 to +1

6406532040793. ✖ -inf to +inf

6406532040794. ✖ 0 to inf

6406532040795. ✖ 0 to 10

Question Number : 155 Question Id : 640653611072 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

Flourish cannot be used to create animated bar charts.

Options :

6406532040796. ✖ TRUE

6406532040797. ✔ FALSE

Question Number : 156 Question Id : 640653611075 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 :

6406532040806. ✔ csr_matrix

6406532040807. ✖ interpolate

6406532040808. ✖ compressed_mat

6406532040809. ✖ zip_mat

Question Number : 157 Question Id : 640653611076 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 (select the most appropriate answer):

Options :

6406532040810. ✔ Visualize complex network data

6406532040811. ✖ create stunning dashboards for large projects

6406532040812. ✖ merge Comicgen characters into a comic

6406532040813. ✖ Narrate data stories

Question Number : 158 Question Id : 640653611077 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 Python libraries has functions and tools that are useful in the analysis of large graphs?

Options :

6406532040814. ✔ scikit-network

6406532040815. ✖ pandas-network

6406532040816. ✖ numpy-network

6406532040817. ✖ pd-network

Question Number : 159 Question Id : 640653611078 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 Python libraries has functions extensively written to perform numerical operations?

Options :

6406532040818. ✖ csr_matrix

6406532040819. ✔ numpy

6406532040820. ✖ seaborn

6406532040821. ✖ itertools

Question Number : 160 Question Id : 640653611082 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 developed a sudden interest in English Premier League. Post the TDS course, you wanted to perform an analysis on all teams which played EPL from the year 1992. You performed PDF scraping using 'tabula' and appended every year standings of teams one below the other and saved as a single csv file. For looking at aggregating at various levels (viz Year wise, Team wise) the following can be used in Excel:

Options :

6406532040830. ✖ Pilot Table

6406532040831. ✔ Pivot Table

6406532040832. ✖ Pivol Table

6406532040833. ✖ None of these

Question Number : 161 Question Id : 640653611083 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 you have data with a column "Direction" which takes the values "Left", "Right". If you had used one hot encoding, the new columns added would be:

Options :

6406532040834. ✔ Direction_Left, Direction_Right

6406532040835. ✖ Left_Direction, Right_Direction

6406532040836. ✖ Left-Direction, Right-Direction

6406532040837. ✖ Direction-Left, Right-Direction

Question Number : 162 Question Id : 640653611084 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 quick ways to generate a descriptive stats file for variables along with correlation is to use

Options :

6406532040838. ✔ pandas_profiling

6406532040839. ✖ profiling_pandas

6406532040840. ✖ describe_dataset

6406532040841. ✖ Dataframe_profile

Question Number : 163 Question Id : 640653611085 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 decide to use keras to classify images into one of the following categories: cat, dog, bull.

Which of the following loss functions from *Keras* would you pick for the task?

Options :

6406532040842. ✖ binary_crossentropy

6406532040843. ✔ categorical_crossentropy

6406532040844. ✖ mean_squared_error

6406532040845. ✖ mean_absolute_error

Question Number : 164 Question Id : 640653611086 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

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' END
```

Options :

6406532040846. ✓ TRUE

6406532040847. ✗ FALSE

Question Number : 165 Question Id : 640653611088 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 Tableau 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 :

6406532040852. ✓ The summary can be generated using Quill and this is possible because Quill can be used as an extension in Tableau.

6406532040853. ✗ Tableau can be used for visualization. But Quill is incompatible with Tableau.

6406532040854. ✗ Quill does not support generation of summary. Therefore using other visualization tools such as Tableau would work.

6406532040855. ✖ None of the options are appropriate for the generation of summary for the given question.

Question Number : 166 Question Id : 640653611089 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 :

6406532040856. ✖ Percentage, Labels

6406532040857. ✖ Sentiment, Percentage

6406532040858. ✔ Sentiment, Score

6406532040859. ✖ Score, Labels

Question Number : 167 Question Id : 640653611092 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 CSV format:

Options :

6406532040868. ✖ TRUE

6406532040869. ✔ FALSE

Question Number : 168 Question Id : 640653611093 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 properties are returned by the sentiment function of the TextBlob library?

Options :

6406532040870. ✖ Score, Polarity

6406532040871. ✖ Polarity, Negativity

6406532040872. ✖ Median, Subjectivity

6406532040873. ✔ Polarity, Subjectivity

Question Number : 169 Question Id : 640653611094 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 score ranges between -1 to +1.

Options :

6406532040874. ✖ TRUE

6406532040875. ✔ FALSE

Question Number : 170 Question Id : 640653611095 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 0.4 means that the text statement:

Options :

6406532040876. ✖ has a positive sentiment

6406532040877. ✖ has a negative sentiment

6406532040878. ✖ is more of an opinion statement

6406532040879. ✔ is more of a factual statement

Question Number : 171 Question Id : 640653611096 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 0.1 means that the text statement:

Options :

6406532040880. ✔ has a positive sentiment

6406532040881. ✖ has a negative sentiment

6406532040882. ✖ is more of an opinion statement

6406532040883. ✖ is more of a factual statement

Question Number : 172 Question Id : 640653611098 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 analyzing the effect of money spent on TV advertising on the sales volume of a product. Which Excel function would you use as a starting point in this analysis?

Options :

6406532040886. ✖ STDEV.P()

6406532040887. ✖ STDEV.S()

6406532040888. ✔ SLOPE()

6406532040889. ✖ EXACT()

Question Number : 173 Question Id : 640653611100 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 vehicles into its respective class (car, LCV, truck, earth movers). Which of the following loss functions from *Keras* would you pick for the task?

Options :

6406532040894. ✖ binary_crossentropy

6406532040895. ✔ categorical_crossentropy

6406532040896. ✖ mean_squared_error

6406532040897. ✖ Mean_absolute_error

Question Number : 174 Question Id : 640653611101 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

Tableau automatically divides the data fields into two categories. What are they..?

Options :

6406532040898. ✖ Measures and categories

6406532040899. ✔ Dimensions and Measures

6406532040900. ✖ Columns and rows

6406532040901. ✖ Matrices and columns

Question Number : 175 Question Id : 640653611102 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 Extension in Tableau transforms visualizations into narratives.?

Options :

6406532040902. ✖ Narrator

6406532040903. ✖ Navigator

6406532040904. ✔ Quill

6406532040905. ✖ Quora

Question Number : 176 Question Id : 640653611103 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

If you want to create comical characters while building business stories, which tool would be helpful.?

Options :

6406532040906. ✖ Cartoongen

6406532040907. ✖ Image size

6406532040908. ✔ Comicgen

6406532040909. ✖ Gentoon

Question Number : 177 Question Id : 640653611104 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 used to build and host web applications?

Options :

6406532040910. ✓ Streamlit for building web applications, Heroku for hosting web applications

6406532040911. ✗ Heroku for building web applications, Streamlit for hosting web applications

6406532040912. ✗ Streamlit for building web applications, Streamlit for hosting web applications

6406532040913. ✗ Heroku for building web applications, Heroku for hosting web applications

Question Number : 178 Question Id : 640653611105 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 :

6406532040914. ✗ Bar chart

6406532040915. ✗ Line chart

6406532040916. ✓ Box and Whisker chart

6406532040917. ✗ Histogram

Question Number : 179 Question Id : 640653611106 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 :

6406532040918. ✔ Urllib

6406532040919. ✖ BeautifulSoup

6406532040920. ✖ Requests

6406532040921. ✖ Pandas

Question Number : 180 Question Id : 640653611107 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 :

6406532040922. ✔ Network

6406532040923. ✖ Elements

6406532040924. ✖ Console

6406532040925. ✖ Sources

Question Number : 181 Question Id : 640653611108 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 :

6406532040926. ✖ merge Comicgen characters into a comic

6406532040927. ✖ visualize complex network data

6406532040928. ✔ create dashboards for small scale projects

6406532040929. ✖ Edit photographs and videos

Question Number : 182 Question Id : 640653611110 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 :

6406532040934. ✖ always helps reduce matrix space

6406532040935. ✔ helps reduce matrix space when there are a lot of zero entries in the matrix

6406532040936. ✖ helps reduce matrix space when there are a lot of negative entries in the matrix

6406532040937. ✖ makes matrix multiplication more meaningful and powerful

Question Number : 183 Question Id : 640653611111 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 :

6406532040938. ✖ builds a decision tree classifier and prints the accuracy of the classifier

6406532040939. ✖ reports the root mean square error of the model

6406532040940. ✖ runs different classification models and compares the results

6406532040941. ✔ builds a text report displaying the main classification metrics

Question Number : 184 Question Id : 640653611112 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 :

6406532040942. ✖ Visualization tool

6406532040943. ✖ Dashboard helper

6406532040944. ✔ low-code machine learning library

6406532040945. ✖ Data cleaning solution

Question Number : 185 Question Id : 640653611113 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 :

6406532040946. ✖ ARIMA(..., trend = (4,1,0))

6406532040947. ✔ ARIMA(..., order = (4,1,0))

6406532040948. ✖ ARIMA(..., order = (0,4,1))

6406532040949. ✖ ARIMA(..., trend = (0,4,1))

Question Number : 186 Question Id : 640653611114 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 :

6406532040950. ✖ random_state

6406532040951. ✖ min_sample_split

6406532040952. ✖ class_balance

6406532040953. ✔ class_weight

Question Number : 187 Question Id : 640653611115 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 prices of three shares in the stock market over a period of six months. To compute the correlation coefficients between these three shares: (Choose the most suitable option)

Options :

6406532040954. ✔ It is sufficient if you specify these three shares as input variables in the excel 'data analysis toolpak' feature.

6406532040955. ✖ You must specify both input and target variables in the excel 'data analysis toolpak' to obtain the correlation coefficient values.

6406532040956. ✖ It is sufficient if you specify these three shares as target variables in the excel

'data analysis toolpak' feature.

Question Number : 188 Question Id : 640653611116 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 :

6406532040957. ✖ WEEKGET()

6406532040958. ✖ GETWEEKNUM()

6406532040959. ✖ NUMWEEK()

6406532040960. ✔ None of these

Question Number : 189 Question Id : 640653611117 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 :

6406532040961. ✖ Data Analysis Toolpak

6406532040962. ✖ Connections

6406532040963. ✔ New Query

6406532040964. ✖ Data Validation

Question Number : 190 Question Id : 640653611118 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 statements about the k-means clustering algorithm is false?

Options :

6406532040965. ✔ It is guaranteed to converge to the global optimum solution for any given dataset and initial centroids.

6406532040966. ✖ It can be sensitive to the choice of initial centroids, and different initializations can lead to different final cluster assignments.

6406532040967. ✖ The k-means algorithm minimizes the within-cluster sum of squares as its objective function.

6406532040968. ✖ It can be used to cluster both continuous and categorical data.

Question Number : 191 Question Id : 640653611119 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 NOT a method of the BeautifulSoup object?

Options :

6406532040969. ✖ find()

6406532040970. ✔ get()

6406532040971. ✖ find_all()

6406532040972. ✖ prettify()

Question Number : 192 Question Id : 640653611120 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 ComicGen?

Options :

6406532040973. ✖ A web development framework for comic creators.

6406532040974. ✖ A Python library for data analysis and storytelling using comics.

6406532040975. ✔ A tool for generating comic strips.

6406532040976. ✖ A game development engine.

Question Number : 193 Question Id : 640653611121 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

Network tab in Chrome Devtools (Inspect) tracks all api calls that happen in a website.

Options :

6406532040977. ✔ TRUE

6406532040978. ✖ FALSE

Question Number : 194 Question Id : 640653611122 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

Flourish is a web-based:

Options :

6406532040979. ✔ Data visualization platform

6406532040980. ✖ Machine learning platform

6406532040981. ✖ Business intelligence platform

6406532040982. ✖ None of these

Question Number : 195 Question Id : 640653611123 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 tools below are used for data storytelling?

Options :

6406532040983. ✖ Excel

6406532040984. ✖ Quill

6406532040985. ✖ Comicgen

6406532040986. ✖ Flourish

6406532040987. ✔ Excel,Quill,Comicgen

6406532040988. ✖ All of these

Question Number : 196 Question Id : 640653611124 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

_____ data consists of any value within the finite or infinite intervals.

Options :

6406532040989.

✖ Discrete

6406532040990. ✔ Continuous

6406532040991. ✖ None

Question Number : 197 Question Id : 640653611125 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 statement that is False

Options :

6406532040992. ✖ Measures contain numeric, quantitative values that you can measure.

6406532040993. ✖ Measures can be aggregated.

6406532040994. ✖ When you drag a measure into the view, Tableau applies an aggregation to that measure (by default).

6406532040995. ✔ None of these

Question Number : 198 Question Id : 640653611126 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 statements about Heroku is true?

Options :

6406532040996. ✔ Heroku is a cloud-based platform for deploying, managing, and scaling web applications.

6406532040997. ✖ Heroku is a programming language used for developing front-end web

applications.

6406532040998. ✖ Heroku is a database management system used for storing and retrieving data.

6406532040999. ✖ Heroku is a web browser used for accessing internet-based applications.

Question Number : 199 Question Id : 640653611127 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 data type is not available in the ARX tool while you input data for anonymizing?

Options :

6406532041000. ✖ String

6406532041001. ✖ Date/Time

6406532041002. ✔ Continuous

6406532041003. ✖ Decimal

6406532041004. ✖ Integer

Question Number : 200 Question Id : 640653611128 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 model is performing well in your training dataset but is not performing well in test dataset. It means:

Options :

6406532041005. ✔ Model is overfit

6406532041006.

✖ Model is underfit

6406532041007. ✖ Problem with test dataset

6406532041008. ✖ None of these

Question Number : 201 Question Id : 640653611129 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 following function in excel helps in removing extra spaces:

Options :

6406532041009. ✔ TRIM

6406532041010. ✖ REDUCE

6406532041011. ✖ REMOVESPACE

6406532041012. ✖ None of these

Question Number : 202 Question Id : 640653611130 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 categorical variables, missing data can be replaced by:

Options :

6406532041013. ✔ Mode

6406532041014. ✖ Median

6406532041015. ✖ Mean

6406532041016.

✖ None of these

Sub-Section Number : 3
Sub-Section Id : 64065388054
Question Shuffling Allowed : Yes
Is Section Default? : null

Question Number : 203 Question Id : 640653611073 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 extract details of all Bollywood movies that were released in Jan – March 2009 and later prints out only those rows where the respective movie was categorized only as a Drama. Identify which block of code executes without any errors.

Options :

```
import requests

import pandas as pd

from bs4 import BeautifulSoup

website_url=requests.get('https://web.archive.org/web/20220429040949/https://en.wikipedia.org/wiki/List_of_Hindi_films_of_2009').text

soup = BeautifulSoup(website_url,'html.parser')
required_table = soup.find_all('table')[3]

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])
```

6406532040798. ✔

6406532040799. ✖

```

import requests

import pandas as pd

website_url=requests.get('https://web.archive.org/web/20220429040949
/https://en.wikipedia.org/wiki/List_of_Hindi_films_of_2009').text

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

required_table = soup.find_all('table', "January-March")

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df[df['Genre'].isin(['Drama'])]

```

```

import requests

import pandas as pd

from bs4 import BeautifulSoup

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

required_table = soup.find_all('table', id = "January-March")

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

```

6406532040800. ✖ df[df['Genre'].isin(['Drama'])]

```

import requests

import pandas as pd

from bs4 import BeautifulSoup

website_url=requests.get('https://web.archive.org/web/20220429040949
/https://en.wikipedia.org/wiki/List_of_Hindi_films_of_2009').text

required_table = soup.find_all('table')[5]

df = pd.read_html(str(required_table))

df=pd.DataFrame(df[0])

df[df['Genre'].isin(['Drama'])]

```

6406532040801. ✖

Question Number : 204 Question Id : 640653611087 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

Identify which of the following statements is/are TRUE

1. A story contains a single view along with shelves, cards, legends, and the Data and Analytics panes in its side bar.
2. A worksheet contains a sequence of stories that work together to convey information
3. A dashboard is a collection of views from multiple worksheets

Options :

6406532040848. ✖ 1 Only

6406532040849. ✔ 3 Only

6406532040850. ✖ 2 & 3 Only

6406532040851. ✖ 1 & 2 Only

Question Number : 205 Question Id : 640653611090 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 "loc1" and the coordinates of location 2 is stored in the variable "loc2".

Code Snippet:

```
distances_km = []

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

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

Options :

6406532040860. ✖ geopy.distance(loc1, loc2).km

6406532040861. ✖ geopy.distance(loc1, loc2).km.km

6406532040862. ✔ geopy.distance.distance(loc1, loc2).km

6406532040863. ✖ geopy.distance.distance.distance(loc1_coord, loc2_coord).km

Question Number : 206 Question Id : 640653611091 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 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': '<A>'})
```

#Daily Low Values

```
daily_low_values = soup.find_all('span', attrs={'class': '<B>'})
```

Options :

6406532040864. ✖
 <A> = wr-value--temperature--f
 = wr-value--temperature--c

6406532040865. ✖
 <A> = wr-day--temperature--c
 = wr-day--temperature--f

6406532040866. ✔
 <A> = wr-day-temperaturehigh
 = wr-day-temperaturelow

<A> = low-label wr-hide-visually

6406532040867. ✖ = high-label wr-hide-visually

Question Number : 207 Question Id : 640653611097 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	sentiment	review
2	positive	One of the other reviewers has mentione
3	positive	A wonderful little production. <br /:
4	positive	I thought this was a wonderful way to spe
5	negative	Basically there's a family where a little bo
6	positive	Petter Mattei's "Love in the Time of Mone
7	positive	Probably my all-time favorite movie, a sto
8	negative	This show was an amazing, fresh & innova
9	negative	Encouraged by the positive comments ab
10	positive	If you like original gut wrenching laughter
11	negative	Phil the Alien is one of those quirky films


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.

2. PREDICT

▼ **Input:** input1

Type range or click button to select 

☒ My data has headers

[Use sample data](#) 

▼ **Output:** output1

Enter output cell (e.g. A20)

☒ Include headers

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

Options :

6406532040884. ✖ Input: Sheet1!A1:A11
Output: Sheet!C1

6406532040885. ✔ Input: Sheet1!B1:B11
Output: Sheet!C1

Question Number : 208 Question Id : 640653611099 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 predictions ($y_{\hat{}}$) on a train dataset of 100 records. Let y be the true value. We are interested in calculating $\text{median}(|y_1 - y_{\hat{1}}|, |y_2 - y_{\hat{2}}|, \dots, |y_{100} - y_{\hat{100}}|)$. Which of the following functions will help you in achieving this easily?

Options :

6406532040890. ✖ `from sklearn.metrics import mean_absolute_error`

6406532040891. ✔

✔ from sklearn.metrics import median_absolute_error

6406532040892. ✖ from sklearn.metrics import median_absolute_percentage_error

6406532040893. ✖ from sklearn.metrics import average_absolute_percentage_error

Sub-Section Number : 4
Sub-Section Id : 64065388055
Question Shuffling Allowed : Yes
Is Section Default? : null

Question Number : 209 Question Id : 640653611074 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Max. Selectable Options : 0

Question Label : Multiple Select Question

Comicgen is a useful tool in narrating data stories using comics. Which of the following are capabilities of comicgen?

Options :

6406532040802. ✔ Comicgen can create comic characters

6406532040803. ✔ Comicgen provides options to custom create different comic characters and their emotions and pose

6406532040804. ✔ Comicgen can be easily integrated into Google sheets or Excel to narrate your data stories

6406532040805. ✖ You can type in your data story into comicgen to get your comic in return

Question Number : 210 Question Id : 640653611109 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Max. Selectable Options : 0

Question Label : Multiple Select Question

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

Options :

6406532040930. ✖ analysis of faults in a computer network

6406532040931. ✔ social network analysis

6406532040932. ✔ analysis of large graphs

6406532040933. ✖ enhancing one's social network

Sub-Section Number :	5
Sub-Section Id :	64065388056
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 640653611079 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 : (211 to 212)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 211 Question Id : 640653611080 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 perform analysis of the IPL teams year on year. You downloaded the teams standings table which got downloaded as a PDF. You wish to convert to a csv file for further analysis in Excel. The following method in 'tabula' can be used for the same:

Options :

6406532040822. ✔ convert_into

6406532040823. ✖ convert_file

6406532040824. ✖ convert_all

6406532040825. ✖ convert_csv

Question Number : 212 Question Id : 640653611081 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 converted csv file in previous question, you realize that the team ‘Delhi Daredevil’ has changed its name to ‘Delhi Capital’. Using excel, you wish to replace the old name with a new name. It can be done in Excel using

Options :

6406532040826. ✔ Find and Replace

6406532040827. ✖ Finding and Replacing

6406532040828. ✖ Replace and Find

6406532040829. ✖ Search and Replace

BDM

Section Id :	64065341311
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