# TDS

| | |
|---|---|
| **Section Id :** | 64065338404 |
| **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 :** | 64065380952 |
| **Question Shuffling Allowed :** | No |
| **Is Section Default? :** | null |

**Question Number : 156 Question Id : 640653566131 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 :**

6406531892040. ✔ YES

6406531892041. ✖ NO

| | |
|---|---|
| **Sub-Section Number :** | 2 |
| **Sub-Section Id :** | 64065380953 |
| **Question Shuffling Allowed :** | Yes |
| **Is Section Default? :** | null |

**Question Number : 157 Question Id : 640653566132 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 :**

6406531892042. ✖ Trend Line in Line Chart

6406531892043. ✖ SLOPE function

6406531892044. ✔ Both Trend Line in Line Chart and SLOPE function

6406531892045. ✖ None of these

**Question Number : 158 Question Id : 640653566133 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 :**

6406531892046. ✔ TRUE

6406531892047. ✖ FALSE

**Question Number : 159 Question Id : 640653566134 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 :**

6406531892048. ✖ STDEV.P()

6406531892049. ✖ STDEV.S()

6406531892050. ✔ SLOPE()

6406531892051. ✖ EXACT()

**Question Number : 160 Question Id : 640653566135 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 :**

6406531892052. ✔ 0 to 1

6406531892053. ✖ -1 to +1

6406531892054. ✖ -inf to +inf

6406531892055. ✖ 0 to inf

6406531892056. ✖ 0 to 10

**Question Number : 161 Question Id : 640653566136 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 :**

6406531892057. ✖ TRUE

6406531892058. ✔ FALSE

**Question Number : 162 Question Id : 640653566139 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 :**

6406531892067. ✔ csr_matrix

6406531892068. ✖ interpolate

6406531892069. ✖ compressed_mat

6406531892070. ✖ zip_mat

**Question Number : 163 Question Id : 640653566140 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 :**

6406531892071. ✔ Visualize complex network data

6406531892072. ✖ create stunning dashboards for large projects

6406531892073. ✖ merge Comicgen characters into a comic

6406531892074. ✖ Narrate data stories

**Question Number : 164 Question Id : 640653566141 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 :**

6406531892075. ✔ scikit-network

6406531892076. ✖ pandas-network

6406531892077. ✖ numpy-network

6406531892078. ✖ pd-network

**Question Number : 165 Question Id : 640653566142 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 :**

6406531892079. ✖ csr_matrix

6406531892080. ✔ numpy

6406531892081. ✖ seaborn

6406531892082. ✖ itertools

**Question Number : 166 Question Id : 640653566146 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 :**

6406531892091. ✖ Pilot Table

6406531892092. ✔ Pivot Table

6406531892093. ✖ Pivol Table

6406531892094. ✖ None of these

**Question Number : 167 Question Id : 640653566147 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 :**

6406531892095. ✔ Direction_Left, Direction_Right

6406531892096. ✖ Left_Direction, Right_Direction

6406531892097. ✖ Left-Direction, Right-Direction

6406531892098. ✖ Direction-Left, Right-Direction

**Question Number : 168 Question Id : 640653566148 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 :**

6406531892099. ✔ pandas_profiling

6406531892100. ✖ profiling_pandas

6406531892101. ✖ describe_dataset

6406531892102. ✖ Dataframe_profile

**Question Number : 169 Question Id : 640653566149 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 :**

6406531892103. ✖ binary_crossentropy

6406531892104. ✔ categorical_crossentropy

6406531892105. ✖ mean_squared_error

6406531892106. ✖ mean_absolute_error

**Question Number : 170 Question Id : 640653566150 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 :**

6406531892107. ✔ TRUE

6406531892108. ✖ FALSE

**Question Number : 171 Question Id : 640653566152 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 :**

6406531892113. ✔ The summary can be generated using Quill and this is possible because Quill can be used as an extension in Tableau.

6406531892114. ✖ Tableau can be used for visualization. But Quill is incompatible with Tableau.

6406531892115. ✖ Quill does not support generation of summary. Therefore using other visualization tools such as Tableau would work.

6406531892116. ✖ None of the options are appropriate for the generation of summary for the given question.

**Question Number : 172 Question Id : 640653566153 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 :**

6406531892117. ✖ Percentage, Labels

6406531892118. ✖ Sentiment, Percentage

6406531892119. ✔ Sentiment, Score

6406531892120. ✖ Score, Labels

**Question Number : 173 Question Id : 640653566156 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 :**

6406531892129. ✖ TRUE

6406531892130. ✔ FALSE

**Question Number : 174 Question Id : 640653566157 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 :**

6406531892131. ✖ Score, Polarity

6406531892132. ✖ Polarity, Negativity

6406531892133. ✖ Median, Subjectivity

6406531892134. ✔ Polarity, Subjectivity

**Question Number : 175 Question Id : 640653566158 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 :**

6406531892135. ✖ TRUE

6406531892136. ✔ FALSE

**Question Number : 176 Question Id : 640653566159 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 :**

6406531892137. ✖ has a positive sentiment

6406531892138. ✖ has a negative sentiment

6406531892139. ✖ is more of an opinion statement

6406531892140. ✔ is more of a factual statement

**Question Number : 177 Question Id : 640653566160 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 :**

6406531892141. ✔ has a positive sentiment

6406531892142. ✖ has a negative sentiment

6406531892143. ✖ is more of an opinion statement

6406531892144. ✖ is more of a factual statement

**Question Number : 178 Question Id : 640653566162 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 :**

6406531892147. ✖ STDEV.P()

6406531892148. ✖ STDEV.S()

6406531892149. ✔ SLOPE()

6406531892150. ✖ EXACT()

**Question Number : 179 Question Id : 640653566164 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 :**

6406531892155. ✖ binary_crossentropy

6406531892156. ✔ categorical_crossentropy

6406531892157. ✖ mean_squared_error

6406531892158. ✖ Mean_absolute_error

**Question Number : 180 Question Id : 640653566165 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 :**

6406531892159. ✖ Measures and categories

6406531892160. ✔ Dimensions and Measures

6406531892161. ✖ Columns and rows

6406531892162. ✖ Matrices and columns

**Question Number : 181 Question Id : 640653566166 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 :**

6406531892163. ✖ Narrator

6406531892164. ✖ Navigator

6406531892165. ✔ Quill

6406531892166. ✖ Quora

**Question Number : 182 Question Id : 640653566167 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 :**

6406531892167. ✖ Cartoongen

6406531892168. ✖ Image size

6406531892169. ✔ Comicgen

6406531892170. ✖ Gentoon

**Question Number : 183 Question Id : 640653566168 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 :**

6406531892171. ✔ Streamlit for building web applications, Heroku for hosting web applications

6406531892172. ✖ Heroku for building web applications, Streamlit for hosting web applications

6406531892173. ✖ Streamlit for building web applications, Streamlit for hosting web applications

6406531892174. ✖ Heroku for building web applications, Heroku for hosting web applications

**Question Number : 184 Question Id : 640653566169 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 :**

6406531892175.

✖ Bar chart

6406531892176. ✖ Line chart

6406531892177. ✔ Box and Whisker chart

6406531892178. ✖ Histogram

**Question Number : 185 Question Id : 640653566170 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 :**

6406531892179. ✔ Urllib

6406531892180. ✖ BeautifulSoup

6406531892181. ✖ Requests

6406531892182. ✖ Pandas

**Question Number : 186 Question Id : 640653566171 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 :**

6406531892183. ✔ Network

6406531892184. ✖ Elements

6406531892185.

✖ Console

6406531892186. ✖ Sources

**Question Number : 187 Question Id : 640653566172 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 :**

6406531892187. ✖ merge Comicgen characters into a comic

6406531892188. ✖ visualize complex network data

6406531892189. ✔ create dashboards for small scale projects

6406531892190. ✖ Edit photographs and videos

**Question Number : 188 Question Id : 640653566174 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 :**

6406531892195. ✖ always helps reduce matrix space

6406531892196. ✔ helps reduce matrix space when there are a lot of zero entries in the matrix

6406531892197. ✖ helps reduce matrix space when there are a lot of negative entries in the matrix

6406531892198. ✖ makes matrix multiplication more meaningful and powerful

**Question Number : 189 Question Id : 640653566175 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 :**

6406531892199. ✖ builds a decision tree classifier and prints the accuracy of the classifier

6406531892200. ✖ reports the root mean square error of the model

6406531892201. ✖ runs different classification models and compares the results

6406531892202. ✔ builds a text report displaying the main classification metrics

**Question Number : 190 Question Id : 640653566176 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 :**

6406531892203. ✖ Visualization tool

6406531892204. ✖ Dashboard helper

6406531892205. ✔ low-code machine learning library

6406531892206. ✖ Data cleaning solution

**Question Number : 191 Question Id : 640653566177 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 :**

6406531892207. ✖ ARIMA(..., trend = (4,1,0))

6406531892208. ✔ ARIMA(..., order = (4,1,0))

6406531892209. ✖ ARIMA(..., order = (0,4,1))

6406531892210. ✖ ARIMA(..., trend = (0,4,1))

**Question Number : 192 Question Id : 640653566178 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 :**

6406531892211. ✖ random_state

6406531892212. ✖ min_sample_split

6406531892213. ✖ class_balance

6406531892214. ✔ class_weight

**Question Number : 193 Question Id : 640653566179 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 :**

6406531892215. ✔ It is sufficient if you specify these three shares as input variables in the excel 'data analysis toolpak' feature.

6406531892216. ✖ You must specify both input and target variables in the excel 'data analysis toolpak' to obtain the correlation coefficient values.

6406531892217. ✖ It is sufficient if you specify these three shares as target variables in the excel 'data analysis toolpak' feature.

**Question Number : 194 Question Id : 640653566180 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 :**

6406531892218. ✖ WEEKGET()

6406531892219. ✖ GETWEEKNUM()

6406531892220. ✖ NUMWEEK()

6406531892221. ✔ None of these

**Question Number : 195 Question Id : 640653566181 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 :**

6406531892222. ✖ Data Analysis Toolpak

6406531892223. ✖ Connections

6406531892224. ✔ New Query

6406531892225. ✖ Data Validation

**Question Number : 196 Question Id : 640653566182 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 :**

6406531892226. ✔ It is guaranteed to converge to the global optimum solution for any given dataset and initial centroids.

6406531892227. ✖ It can be sensitive to the choice of initial centroids, and different initializations can lead to different final cluster assignments.

6406531892228. ✖ The k-means algorithm minimizes the within-cluster sum of squares as its objective function.

6406531892229. ✖ It can be used to cluster both continuous and categorical data.

**Question Number : 197 Question Id : 640653566183 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 Beautiful Soup object?

**Options :**

6406531892230. ✖ find()

6406531892231. ✔ get()

6406531892232. ✖ find_all()

6406531892233. ✖ prettify()

**Question Number : 198 Question Id : 640653566184 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 :**

6406531892234. ✖ A web development framework for comic creators.

6406531892235. ✖ A Python library for data analysis and storytelling using comics.

6406531892236. ✔ A tool for generating comic strips.

6406531892237. ✖ A game development engine.

**Question Number : 199 Question Id : 640653566185 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 :**

6406531892238. ✔ TRUE

6406531892239. ✖ FALSE

**Question Number : 200 Question Id : 640653566186 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 :**

6406531892240. ✔ Data visualization platform

6406531892241. ✖ Machine learning platform

6406531892242. ✖ Business intelligence platform

6406531892243. ✖ None of these

**Question Number : 201 Question Id : 640653566187 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 :**

6406531892244. ✖ Excel

6406531892245. ✖ Quill

6406531892246. ✖ Comicgen

6406531892247. ✖ Flourish

6406531892248. ✔ Excel, Quill, Comicgen

6406531892249. ✖ All of these

**Question Number : 202 Question Id : 640653566188 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. _____ data displayed as green icons in the data window and green pills on shelves.

**Options :**

6406531892250. ✖ Discrete,Continuous

6406531892251. ✔ Continuous,Continuous

6406531892252. ✖ None

**Question Number : 203 Question Id : 640653566189 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 :**

6406531892253. ✖ Measures contain numeric, quantitative values that you can measure.

6406531892254. ✖ Measures can be aggregated.

6406531892255. ✖ When you drag a measure into the view, Tableau applies an aggregation to that measure (by default).

6406531892256. ✔ None of these

**Question Number : 204 Question Id : 640653566190 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 :**

6406531892257. ✔ Heroku is a cloud-based platform for deploying, managing, and scaling web applications.

6406531892258. ✖ Heroku is a programming language used for developing front-end web applications.

6406531892259. ✖ Heroku is a database management system used for storing and retrieving data.

6406531892260. ✖ Heroku is a web browser used for accessing internet-based applications.

**Question Number : 205 Question Id : 640653566191 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 :**

6406531892261. ✖ String

6406531892262. ✖ Date/Time

6406531892263. ✔ Continuous

6406531892264. ✖ Decimal

6406531892265. ✖ Integer

**Question Number : 206 Question Id : 640653566192 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 :**

6406531892266. ✔ Model is overfit

6406531892267. ✖ Model is underfit

6406531892268. ✖ Problem with test dataset

6406531892269. ✖ None of these

**Question Number : 207 Question Id : 640653566193 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 :**

6406531892270. ✔ TRIM

6406531892271. ✖ REDUCE

6406531892272. ✖ REMOVESPACE

6406531892273. ✖ None of these

**Question Number : 208 Question Id : 640653566194 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 :**

6406531892274. ✔ Mode

6406531892275. ✖ Median

6406531892276. ✖ Mean

6406531892277. ✖ None of these

| | |
|---|---|
| **Sub-Section Number :** | 3 |
| **Sub-Section Id :** | 64065380954 |
| **Question Shuffling Allowed :** | Yes |
| **Is Section Default? :** | null |

**Question Number : 209 Question Id : 640653566137 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 :**

6406531892059. ✔

```
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])
```

6406531892060. ✖

```
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'])]
```

6406531892061. ✖

```
import requests

import pandas as pd

from bs4 import BeautifulSoups

soup = BeautifulSoups(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])

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

```
import requests

import pandas as pd

from bs4 import BeautifulSoups

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'])]
```

6406531892062. ✖

**Question Number : 210 Question Id : 640653566151 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 :**

6406531892109. ✖ 1 Only

6406531892110. ✔ 3 Only

6406531892111. ✖ 2 & 3 Only

6406531892112. ✖ 1 & 2 Only

**Question Number : 211 Question Id : 640653566154 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 :**

6406531892121. ✖ geopy.distance(loc1, loc2).km

6406531892122.

✖ geopy.distance(loc1, loc2).km.km

6406531892123. ✔ geopy.distance.distance(loc1, loc2).km

6406531892124. ✖ geopy.distance.distance.distance(loc1_coord, loc2_coord).km

**Question Number : 212 Question Id : 640653566155 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': '<A>'})

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

**Options :**

6406531892125. ✖ <A> = wr-value--temperature--f
<B> = wr-value--temperature--c

6406531892126. ✖ <A> = wr-day--temperature--c
<B> = wr-day--temperature--f

6406531892127. ✔ <A> = wr-day-temperaturehigh
<B> = wr-day-temperaturelow

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

6406531892128.

**Question Number : 213 Question Id : 640653566161 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

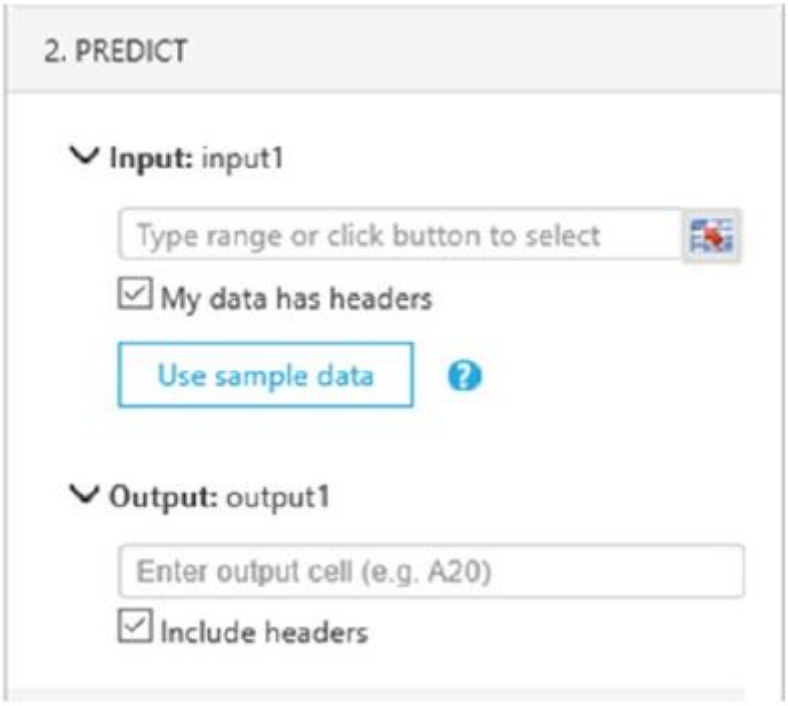
**Correct Marks : 2**

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 /><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 abo |
| 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.




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

**Options :**

6406531892145. ✖ Input: Sheet1!A1:A11
Output: Sheet!C1

6406531892146. ✔ Input: Sheet1!B1:B11
Output: Sheet!C1

**Question Number : 214 Question Id : 640653566163 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 **median(|y_1 - y_hat_1|, |y_2 - y_hat_2|, ..., |y_100 - y_hat_100|)**, . Which of the following functions will help you in achieving this easily?

**Options :**

6406531892151. ✖ from sklearn.metrics import mean_absolute_error

6406531892152. ✔ from sklearn.metrics import median_absolute_error

6406531892153. ✖ from sklearn.metrics import median_absolute_percentage_error

6406531892154. ✖ from sklearn.metrics import average_absolute_percentage_error

**Sub-Section Number :** 4

**Sub-Section Id :** 64065380955

**Question Shuffling Allowed :** Yes

**Is Section Default? :** null

**Question Number : 215 Question Id : 640653566138 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Selectable Option : 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 :**

6406531892063. ✔ Comicgen can create comic characters

6406531892064. ✔ Comicgen provides options to custom create different comic characters and their emotions and pose

6406531892065. ✔ Comicgen can be easily integrated into Google sheets or Excel to narrate your data stories

6406531892066. ✖ You can type in your data story into comicgen to get your comic in return

**Question Number : 216 Question Id : 640653566173 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 2 Selectable Option : 0**

Question Label : Multiple Select Question

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

**Options :**

6406531892191. ✖ analysis of faults in a computer network

6406531892192. ✔ social network analysis

6406531892193. ✔ analysis of large graphs

6406531892194. ✖ enhancing one's social network

| | |
|---|---|
| **Sub-Section Number :** | 5 |
| **Sub-Section Id :** | 64065380956 |
| **Question Shuffling Allowed :** | No |
| **Is Section Default? :** | null |

**Question Id : 640653566143 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

You decided to perform analysis of the IPL teams year on year. You downloaded the teams standings table which got downloaded as a PDF.

Based on the above information, answer the given subquestions.

**Sub questions**

**Question Number : 217 Question Id : 640653566144 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 wish to convert to a csv file for further analysis in Excel. The following method in 'tabula' can be used for the same:

**Options :**

6406531892083. ✔ convert_into

6406531892084. ✖ convert_file

6406531892085. ✖ convert_all

6406531892086. ✖ convert_csv

**Question Number : 218 Question Id : 640653566145 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 :**

6406531892087. ✔ Find and Replace

6406531892088. ✖ Finding and Replacing

6406531892089. ✖ Replace and Find

6406531892090. ✖ Search and Replace

# BDM

| | |
|---|---|
| **Section Id :** | 64065338405 |
| **Section Number :** | 8 |
| **Section type :** | Online |
| **Mandatory or Optional :** | Mandatory |
| **Number of Questions :** | 16 |