Score: **68%**

No. of questions: 10

Correct answer: 8

Incorrect answer: 2

Show incorrect attempt only

How to print last 5 rows of the dataframe (df)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A df.head(-5)

B df.tail(5)



C df.tail(-5)

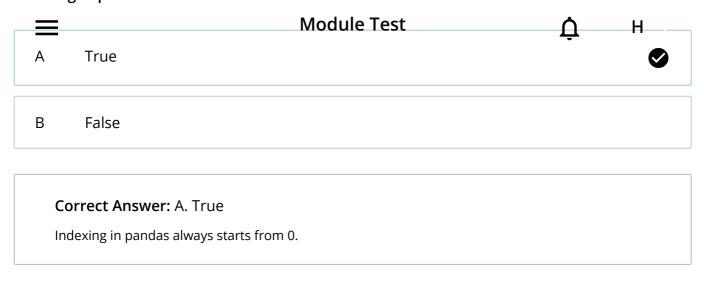
D df.head(5)

Correct Answer: B. df.tail(5)

.tail() prints the rows from the last. So, .tail(5) will print last 5 rows from the dataframe.



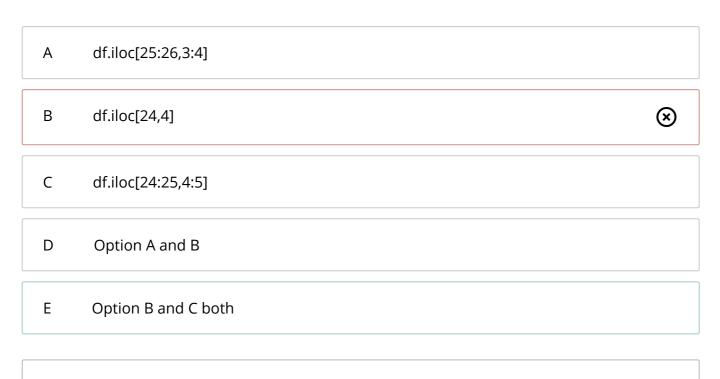
Next Video (machin@ Marks learning/screen/6111) Indexing in pandas starts with 0.



Question 3 (*) 3 marks

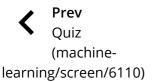
How can you access the element present at the 25th row of 5th column?

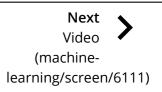
(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).



Correct Answer: E. Option B and C both

If you try df.iloc[24,4] and df.iloc[24:25,4:5] in python, it will return the element at 25th row of 5th column.





Howean you print only the "Gender" column of the dataframe (df)?

Н

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

Gender.df Α

В df['Gender']



C print ('Gender')

Gender.head() D

Correct Answer: B. df['Gender']

df['Gender'] is the right syntax in python to print the column named "Gender".

Question 5

How can you subset a dataframe (df) having Gender as "Male"?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

df[df['Gender']=='Male'] Α

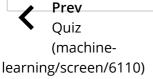


2 Marks

В df['Gender']==Male

C print (df['Gender']==Male)

df[df['Gender']=Male]



Next Video (machinelearning/screen/6111)





df[df['Gender']=='Male'] is the only correct syntax out of all the options which will return the subset of dataframe having gender as "Male".

Question 6

3 marks

Suppose you want to access that part of dataframe(df) for which the Age value is equal to 25. How can it be done?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).

A df['Age']=25

B df[df['Age']==25]



C df['Age]==25

D df[df['Age']=25]

Correct Answer: B. df[df['Age']==25]

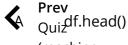
df[df['Age']==25] is the correct syntax to access the part of dataframe for which the Age value is equal to 25.

Question 7

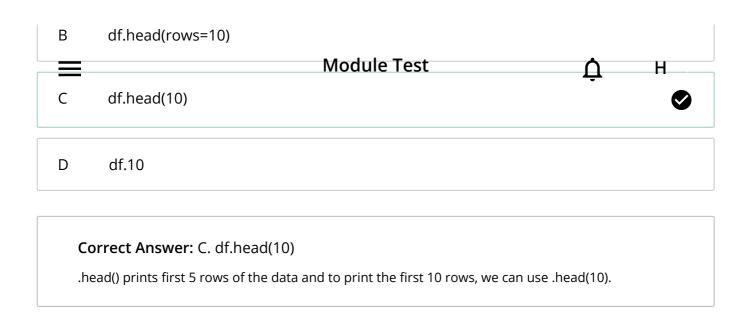
1 Mark

To print first 10 rows of the dataframe (df), which of the following code can be used?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).



Next Video



Question 8 2 Marks

Which of the following syntax can be used to select the first 5 rows of a dataset(df)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).



Correct Answer: A. df.iloc[:5]

df.iloc[5:] will select all the rows after row 5. df.iloc[:,:5] will select the first 5 columns.

df.iloc[:,5:] will select all the columns after column 5.

df.iloc[:5] will select the first 5 rows.





How can you select only the 'Dependents' and 'Education' variable?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) download the zip file to answer the question).

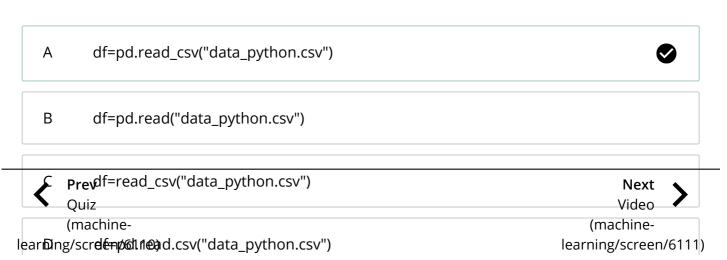
А	df.iloc[3:5,:]	
В	df.loc[:,['Dependents','Education']]	×
С	df.iloc[:,3:5]	
D	Option A and C	
Е	Option B and C	

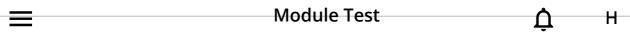
Correct Answer: E. Option B and C

Passing the names of the columns as df.loc[:,['Dependents','Education']] will select these two columns. Also, 'Dependents' and 'Education' are the fourth and fifth columns respectively in the file provided and hence, df.iloc[:,3:5] will select these two columns.

How can you read the downloaded file (data_python.csv) using pandas library in python (pandas is imported as pd)?

(Click here (/uploads/machine-learning/content_media/data_python_csv.zip) to download the zip file to answer the question).





Correct Answer: A. df=pd.read_csv("data_python.csv")

read_csv() function of pandas is used to read csv files in python.