Module 1 Quiz

DueJan 15 at 11:59pmPoints 20Questions 10

Available after Jan 9 at 12am Time Limit None

Instructions

This is a 60-minute timed quiz on the resources for this module. Click **Take the Quiz** below to start the exam.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	39 minutes	14 out of 20

Score for this quiz: **14** out of 20 Submitted Jan 13 at 3:47am This attempt took 39 minutes.

	Question 1 2 / 2	pts		
	Which of the following will print the maximum value in a list? (A = [12, 73, 105, 2, 85])			
	O print(A.max())			
	O print (maximum (A))			
Correct!	<pre>print(max(A))</pre>			
	O A.print(max)			



If we use random numbers to take a simple random sample of 50 students from the 6500 undergraduate students at the University of Rochester:

We would never get the random number 1111, because it is not a random sequence.

Correct!

The draw 1234 is no more or less likely than the draw 1111.

Since the sample is random, it is impossible that it will be non-representative, such as having only females in the sample.

Since the sample is random, it is impossible to get the sequence of random numbers 0001, 0002, 0003, . . ., 0049, 0050.

Question 3 0 / 2 pts

Which Python command would you use to find the distribution of the continuous variable price?

ou Answered

df['price'].value_counts().sort_index().plot(kind='bar')

orrect Answer

- df['price'].hist()
- df.boxplot(column=['price'])
- df.plot.scatter(x='date', y='price')

Question 4 2 / 2 pts
Which of the following is the correct way to format a book citation in APA 7 style?
Author. <i>Title of the book.</i> (Year). Publisher
Author. (Year). Title of the book. Publisher.
Title of the book. Author. (Year). Publisher.
Publisher. Author. (Year). <i>Title of the book.</i>

Question 5 True or False: For quantitative variables, a contingency table shows the number of observations at the combinations of possible category outcomes for the two variables. Du Answered True False

Question 6 2 / 2 pts

True or False: A graph of the frequency distribution of a categorical variable or highly discrete variable with bars over distinct values is called a histogram.

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	O True	
Correct!	False	

Question 7 2 / 2 pts

How would you go about creating a five-number summary in Python for data that comes in through a flat .csv file and has 16,103 observations (rows) and 23 columns?

import pandas as pd, use pd.read csv() to read-in the data into a dataframe df, and call the .summary() function on the dataframe.

Correct!

import pandas as pd, use pd. read csv() to read-in the data into a dataframe df, and call the .describe() function on the dataframe.

Read in the .csv with read.csv() function call, assign this to a dataframe df and call the .describe() function on the dataframe.

Read in the flat .csv file into a NumPy dataframe and call the pandas.summary() function to summarize the data.

0 / 2 pts **Question 8**

A study found a correlation of 0.79 for 23 countries between per capita annual chocolate consumption and the number of Nobel laureates per 10 million population. What kind of study was this?

orrect Answer

Observational

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	Experimental	
ou Answered	Survey-Type	
	None of the above	
	Question 9 2 / 2 p	ots
	True or False: A simple random sample of n subjects from a population in one in which each sample size of n has the same probability of being selected.	is
Correct!	True	
	○ False	
Γ		
	Question 10 2 / 2 p	ots
	True or False: A variable has a separate row of data for each subject an a separate column for each characteristic. Statistical methods analyze data on variables, which are characteristics that vary among subjects.	d
	O True	

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False

Correct!