

Unit 2 - Week 1

Course outline

How does an NPTEL online course work?

Week 1

- Introduction to data analytics
- Python Fundamentals - I
- Python Fundamentals - II
- Central Tendency and Dispersion - I
- Central Tendency and Dispersion - II
- Important Data Files

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Quiz : Assignment 1

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Solution : Assignment 1

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Assignment 1

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) Which command in python, out of the following, will we use for accessing the second row of an excel file named “data file” having 2 rows only?

1 point

- ☐

datafile.loc[2]
- ☐

datafile.loc[0]
- ☐

datafile.tail()
- ☐

datafile.iloc[2]

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
datafile.tail()

2) def x(data)  
Z = max(data) - min(data)  
return(Z)

1 point

The above defined data function in Python programming, will calculate the:

- ☐

Inter quartile range
- ☐

Mode
- ☐

Median
- ☐

Range

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Range

3) Consider the following statements-

Statement A : With iloc, we can pass in the negative value.  
Statement B : With loc, we can pass in the negative value.

1 point

- ☐

A and B are correct
- ☐

Both are false
- ☐

A is correct B is false
- ☐

B is correct A is false

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
A is correct B is false

4) For getting 3rd, 4th & 5th row of a datafile “df” in Python programming, we can write:

1 point

- ☐

df.loc[2,3,4]
- ☐

df.loc[3,4,5]
- ☐

df.iloc[3,4,5]
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
None of the above

5) Pie charts are used for visualization of:

1 point

- ☐

Continuous data
- ☐

Categorical data
- ☐

both (a) & (b)
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Categorical data

6) Frequency Polygon and bar Chart both are used for:

1 point

- ☐

Continuous data
- ☐

Categorical data
- ☐

both (a) & (b)
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
None of the above

7) If two groups of numbers have the same mean, then

1 point

- ☐

Their standard deviations must also be equal
- ☐

Their medians must also be equal
- ☐

Their modes must also be equal
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
None of the above

8) Median is not applicable to:

1 point

- ☐

Ordinal
- ☐

Interval
- ☐

Nominal
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Nominal

9) In skewed data, the best measure of central tendency is:

1 point

- ☐

Mean
- ☐

Weighted mean
- ☐

Median
- ☐

Mode

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Median

10) The 50th percentile of a normally distributed data set will represent its:

1 point

- ☐

Mean
- ☐

Mode
- ☐

Both of the above
- ☐

None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Both of the above