

⊘ Correct

S.loc[0:2]

S.iloc[0:3]

S.iloc[0:2]

expressions is incorrect to perform the same?

Quiz 2 Latest Submission Grade 100% 1. For the following code, which of the following statements will not return True? import pandas as pd 2 sdata = {'Ohio': 35000, 'Texas': 71000, 'Oregon': 16000, 'Utah': 5000} obj1 = pd.Series(sdata) states = ['California', 'Ohio', 'Oregon', 'Texas'] obj2 = pd.Series(sdata, index=states) obj3 = pd.isnull(obj2)

import math math.isnan(obj2['California'])

obj3['California'] obj2['California'] == None

x = obj2['California'] obj2['California'] != x

import pandas as pd d = {'1': 'Alice','2': 'Bob','3': 'Rita','4': 'Molly','5': 'Ryan'} S = pd.Series(d)

The value of obj2['California'] is nan which is not the same as None, so this will return False

extract rows with student ranks that are lower than or equal to 3?

S.loc[0:3] ✓ Correct S.iloc[i:j] can be used to retrieve Series rows from indices i to j-1

3. Suppose we have a DataFrame named df. We want to change the original DataFrame df in a way that all the column names are cast to upper case. Which of the following

In the above python code, the keys of the dictionary d represent student ranks and the value for each key is a student name. Which of the following can be used to

df.rename(mapper = lambda x: x.upper(), axis = 1, inplace = True) df = df.rename(mapper = lambda x: x.upper(), axis = 1) df = df.rename(mapper = lambda x: x.upper(), axis = 'column')

This is incorrect because the rename method will return a new DataFrame by default. We have to pass the result to our original DataFrame df or set the inplace parameter to 'True'.

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df.where(df['toefl score'] > 105) df[df['toefl score'] > 105] df.where(df['toefl score'] > 105).dropna() All of these will work **⊘** Correct This will not work as df.where() will not drop any data we don't want, it will just set their values to nan. 5. Which of the following can be used to create a DataFrame in Pandas?

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For the given DataFrame df we want to keep only the records with a toefl score greater than 105. Which of the following will not work?

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O Python dict

O 2D ndarray

✓ Correct

All of these work

Pandas Series object

All of these can be used to create a DataFrame in Pandas

Ohio 5 6 Colorado

9

10

14

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8

New York 12 13

Utah

import pandas as pd

8. Which of the following statements is incorrect?

s2.iloc[1]

s1.loc[1]

s2[1]

S2.loc[1]

Correct

✓ Correct

9.

one two three four

6. Which of the following is an incorrect way to drop entries from the Pandas DataFrame named df shown below?

df.drop('one', axis = 1)df.drop(['Utah', 'Colorado']) df.drop('Ohio') df.drop('two') ✓ Correct This is an incorrect way to drop values from the column named 'two' because the axis has not been specified as 1 (representing 'columns') and the default value of axis is 0. It would yield the following error: KeyError: '['two'] not found in axis'. 7. For the Series s1 and s2 defined below, which of the following statements will give an error?

s1 = pd.Series({1: 'Alice', 2: 'Jack', 3: 'Molly'}) s2 = pd.Series({'Alice': 1, 'Jack': 2, 'Molly': 3})

There is no index of value 1 in s2, hence this will give an error.

loc and iloc are attributes of pandas. Series object, not methods.

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incorrect to perform the same?

(√) Correct

(df['toefl score'] > 105) & (df['toefl score'] < 115)

df[(df['toefl score'].isin(range(106, 115)))]

df[df['toefl score'].gt(105) & df['toefl score'].lt(115)]

df[(df['toefl score'] > 105) & (df['toefl score'] < 115)]

If s is a pd.Series object, then we can use s.loc[label] to get all data where the index is equal to label. loc and iloc are two useful and commonly used Pandas methods. We can use s.iteritems() on a pd.Series object s to iterate on it.

If s and s1 are two pd. Series objects, we cannot use s.append(s1) to directly append s1 to the existing series s

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For the given DataFrame df shown above, we want to get all records with a toefl score greater than 105 but smaller than 115. Which of the following expressions is

✓ Correct This will just return a boolean mask of True's and False's instead of filtering the correct rows. 10. Which of the following is the correct way to extract all information related to the student named Alice from the DataFrame df given below:

Gender (Major) Name Age Mathematics Alice 20 F Sociology 22 Jack M df.T['Mathematics'] O df['Mathematics'] df['Alice']

df.iloc['Mathematics'] This will correctly extract Alice's data as 'Mathematics' would be a column in df.T and column names can be passed as a key to retrieve the contents of the entire column, i.e. Alice's information in this case

df.rename(mapper = lambda x: x.upper(), axis = 1) ✓ Correct gre score toefl score Serial No. 104 316 3

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1/1 point