

## Question Completion Status:

BMAN73701 Programming in Python for Business Analytics 2023-24 1st Semester

Course Content Week 4, Lecture 2 (Xian Yang): Data Tidying and Preprocessing

Take Test: Self Check: L8-Data Preprocessing

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## Test Information

Description A set of questions to help you test your understanding of this week's material. This formative test is provided to support you in your learning. You can repeat the test as many times as you wish. **Your performance in the test will not be assessed!**

## Instructions

Multiple Attempts This Test allows multiple attempts.

Force Completion This Test can be saved and resumed later.

Your answers are saved automatically.

## QUESTION 1

10 points

Save Answer

When faced with a data analytics problem, in which order should you perform the following steps?

- Arrange (split, combine, group) the data in the appropriate format (Data Wrangling)
- Create a visualisation or apply statistics/machine learning
- Read/Access the data
- Transform / preprocess the data

## QUESTION 2

10 points

Save Answer

df_A		
Model	Store	Sales
'X'	1	1.5
'X'	2	2.5
'X'	3	3.5
'Y'	1	4.5
'Y'	2	5.5
'Y'	3	6.5

df_B			
Model	Store		
	1	2	3
'X'	1.5	2.5	3.5
'Y'	4.5	5.5	6.5

Given the two dataframes above, complete the command below to convert from df\_A to df\_B?

df\_B = df\_A. (index= , columns= , values= )

## QUESTION 3

10 points

Save Answer

```
import  as pd
from  import 
x = pd.read_csv(filename)
scaler = .MaxMinScaler()
x_scaled = .fit_transform( )
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save A