

**Microsoft: DAT203x Data Science and Machine Learning Essentials**

- ▶ Before You Start
- ▶ Module 1: Introduction and Data Science Theory

- ▼ **Module 2: Working with Data**

Chapter 9: Data Acquisition and Flow

Lab 2A: Data Acquisition in Azure ML

Chapter 10: R and Python for Data Science

Lab 2B: Using R and Python in Azure ML

Chapter 11: Data Sampling and Quantization

Lab 2C: Data Quantization in Azure ML

Chapter 12: Data Cleansing and Transformation

Lab 2D: Data Cleansing and Transformation in Azure ML

Module 2 Review

Homework due Oct 30, 2015 at 00:00 UTC

- ▶ Module 3: Visualization,

QUESTION 4 (1 point possible)

You are cleansing a dataset that includes multiple numeric feature columns, which you plan to quantize.

Which three of the following objectives can you accomplish by quantizing a variable?

☐ Reduce the number of categories for a categorical variable. ✓

☐ Create additional categories for a categorical variable.

☒ Balance the number of cases for each category of a categorical variable. ✓

☒ Transform a numeric variable to a categorical variable. ✓

☒ Concentrate cases in certain categories.



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You can quantize a variable to reduce the number of categories for a categorical variable, balance the number of cases for each category of a categorical variable, or transform a numeric variable to a categorical variable.

You have used 2 of 2 submissions

and Building
and Evaluating
Models

- ▶ Module 4:
Regression,
Classification,
and
Unsupervised
Learning
- ▶ Module 5:
Recommenders
and Publishing
Your Work
- ▶ Final Exam

© All Rights Reserved



© edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

POWERED BY
OPENedX

