

Microsoft: DAT203x Data Science and Machine Learning Essentials

- Before You Start
- Module 1: Introduction and Data Science Theory
- Module 2: Working with Data
- Module 3: Visualization, and Building and Evaluating Models
- Module 4:
 Regression,
 Classification,
 and
 Unsupervised
 Learning

Chapter 16: Regression Modeling

Lab 4A: Working with Regression Models

Chapter 17: Classification Modeling

Lab 4B: Working with Classification Models

Chapter 18: Unsupervised Learning Models

Lab 4C: Working with Unsupervised Learning Models

QUESTION 13 (1 point possible)

When exploring the k-means clustering of a dataset you continue to increase the number of clusters one-by-one until you observe that the projection of the first two principle components show:

- The major and minor axes of each of the ellipses are of similar lengths.
- The directions of major axes of the ellipses are relatively aligned.

Based on these observations, what should you do?

- Publish the experiment as it is; the number of clusters chosen fits this dataset well.
- Try an alternative modeling approach to clustering.
- Reduce the number of clusters chosen.
- Increase the number of the clusters chosen.

You have used 1 of 1 submissions

Module 4 Review Homework due Oct 30, 2015 at 00:00 UTC

- 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.

















