

**BerkeleyX: CS105x Introduction to Apache Spark**

Bookmarks

**▼ Week 1 - Apache Spark
Programming Model****Lecture 1: Apache Spark
Architecture and
Programming Model**

Quizzes



Setting up the Course
Software Environment (Due
September 10, 2016 at 23:59
UTC)

Setup



(Optional) Survey about your
machine and setup
experience

- ▶ Week 2 - The Structured Query Language and Spark SQL
- ▶ Week 3 - Analyzing Semi-Structured Data with Apache Spark

Week 1 - Apache Spark Programming Model > Lecture 1: Apache Spark Architecture and Programming Model > Apache Spark Actions

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Apache Spark Actions

BERCS1052016-V000700



▶ 0:00 / 5:15

▶ 1.0x



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Spark Actions

(1/1 point)

Which of the following is not a property of Spark Actions?

- ☐ They cause Spark to execute the recipe to transform the source data
- ☐ They are the primary mechanism for getting results out of Spark
- ☒ They are lazily evaluated ✓
- ☐ The results are returned to the driver

You have used 1 of 3 submissions

Spark Program Lifecycle

(1/1 point)

Which of the following are part of a Spark program's lifecycle?

- ☒ DataFrames that are reused may be cached ✓
- ☐ Transformations cause parallel computation to be immediately executed
- ☒ Actions cause parallel computation to be immediately executed ✓
- ☒ Transformations lazily create new DataFrames ✓
- ☐ Actions create recipes for performing parallel computation on datasets



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



EXPLANATION

Transformations specify how to perform parallel computation in a lazily evaluated manner. Actions cause the transformations to be executed. If you plan to reuse a DataFrame, you should cache it.

You have used 2 of 3 submissions



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