

# Apache Spark 2.0 with Scala - Hands On with Big Data

## └─1. Getting Started

| 1. Warning about Java 9!.html

## | 2. Introduction, and Getting Set Up.mp4

| 2.1 JDK install site.html

| 2.1 winutils.exe.html

| 2.2 JDK install site.html

| 2.2 winutils.exe.html

| 2.3 Installing Spark on MacOS.html

| 2.3 Spark download site.html

| 2.4 Scala IDE download site.html

| 2.4 Spark download site.html

| 2.5 GETTING STARTED - installation steps.html

| 2.5 Installing Spark on MacOS.html

| 2.6 GETTING STARTED - installation steps.html

| 2.6 Scala IDE download site.html

## | 3. [Activity] Create a Histogram of Real Movie Ratings with Spark!.mp4

## | 3. [Activity] Create a Histogram of Real Movie Ratings with Spark!.mp4.mtd

| 3.1 MovieLens data set.html

| 3.2 Course Materials.html

|

## └─10. You Made It! Where to Go from Here

| 1. Learning More, and Career Tips.mp4

| 1.1 Apache Spark website.html

| 2. Bonus Lecture Discounts on my other Big Data Data Science Courses..mp4

| 2.1 My website!.html

|

## └─2. Scala Crash Course

| 1. [Activity] Scala Basics, Part 1.mp4

| 1.1 LearningScala1.sc.html

- | 2. [Exercise] Scala Basics, Part 2.mp4
- | 3. [Exercise] Flow Control in Scala.mp4
- | 3.1 LearningScala2.sc.html
- | 4. [Exercise] Functions in Scala.mp4
- | 4.1 LearningScala3.sc.html
- | 5. [Exercise] Data Structures in Scala.mp4
- | 5.1 LearningScala4.sc.html

### |—3. Spark Basics and Simple Examples

- | 1. Introduction to Spark.mp4
- | 10. [Activity] Improving the Word Count Script with Regular Expressions.mp4
- | 11. [Activity] Sorting the Word Count Results.mp4
- | 12. [Exercise] Find the Total Amount Spent by Customer.mp4
- | 13. [Exercise] Check your Results, and Sort Them by Total Amount Spent.mp4
- | 14. Check Your Results and Implementation Against Mine.mp4
- | 2. The Resilient Distributed Dataset.mp4
- | 3. Ratings Histogram Walkthrough.mp4
- | 4. Spark Internals.mp4
- | 5. Key Value RDD's, and the Average Friends by Age example.mp4
- | 6. [Activity] Running the Average Friends by Age Example.mp4
- | 7. Filtering RDD's, and the Minimum Temperature by Location Example.mp4
- | 8. [Activity] Running the Minimum Temperature Example, and Modifying it for Maximum.mp4
- | 9. [Activity] Counting Word Occurrences using Flatmap().mp4

### |—4. Advanced Examples of Spark Programs

- | 1. [Activity] Find the Most Popular Movie.mp4
- | 2. [Activity] Use Broadcast Variables to Display Movie Names.mp4
- | 3. [Activity] Find the Most Popular Superhero in a Social Graph.mp4
- | 4. Superhero Degrees of Separation Introducing Breadth-First Search.mp4
- | 5. Superhero Degrees of Separation Accumulators, and Implementing BFS in Spark.mp4
- | 6. Superhero Degrees of Separation Review the code, and run it!.mp4

- | 7. Item-Based Collaborative Filtering in Spark, cache(), and persist().mp4
- | 8. [Activity] Running the Similar Movies Script using Spark's Cluster Manager.mp4
- | 9. [Exercise] Improve the Quality of Similar Movies.mp4

## |—5. Running Spark on a Cluster

- | 1. [Activity] Using spark-submit to run Spark driver scripts.mp4
- | 2. [Activity] Packaging driver scripts with SBT.mp4
- | 3. Introducing Amazon Elastic MapReduce.mp4
- | 4. Creating Similar Movies from One Million Ratings on EMR.mp4
- | 4.1 Amazon Web Services website.html
- | 5. Partitioning.mp4
- | 6. Best Practices for Running on a Cluster.mp4
- | 7. Troubleshooting, and Managing Dependencies.mp4

## |—6. SparkSQL, DataFrames, and DataSets

- | 1. Introduction to SparkSQL.mp4
- | 2. [Activity] Using SparkSQL.mp4
- | 3. [Activity] Using DataFrames and DataSets.mp4
- | 4. [Activity] Using DataSets instead of RDD's.mp4

## |—7. Machine Learning with MLlib

- | 1. Introducing MLlib.mp4
- | 2. [Activity] Using MLlib to Produce Movie Recommendations.mp4
- | 3. [Activity] Linear Regression with MLlib.mp4
- | 4. [Activity] Using DataFrames with MLlib.mp4

## |—8. Intro to Spark Streaming

- | 1. Spark Streaming Overview.mp4
- | 2. [Activity] Set up a Twitter Developer Account, and Stream Tweets.mp4
- | 2.1 Twitter application management.html
- | 3. Structured Streaming.mp4

|

└─9. **Intro to GraphX**

1. GraphX, Pregel, and Breadth-First-Search with Pregel..mp4
2. [Activity] Superhero Degrees of Separation using GraphX.mp4