**INFS 774 Big Data Analytics**

**Guidelines for Week 4**

Relevant Learning Objectives:

1. The focus is on a continuing exploration of the MapReduce programming model and Hadoop
2. Learn how to write MapReduce code in Java

Required activities:

1. Read Cloudera slides – Writing MapReduce Program in Java

Note: This may appear overwhelming at first, particularly if you are not familiar with Java or if you have limited programming experience. Do not be discouraged. The objective is to introduce you to MapReduce programming as opposed to becoming an expert MapReduce programmer.

Please refer to Hadoop the definitive guide 3rd or 4th edition as a reference when needed. Chapter 7 in the 3rd edition contains significant details that are pertinent to the slides.

1. Read Cloudera slides – Common MapReduce algorithms

Note: MapReduce is more than WordCount. The objective is to have a high level understanding of some of the common algorithms where MapReduce can be used.

Optional activities:

1. Read passages in the book “Hadoop- The definitive guide” 3rd edition that have been referenced in the above slides. You can also use the 4th edition; however, the pages may not line up. Please google the title of the book to find a copy online, and please email me if you cannot find one.
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