

Average Calculation Problem with Mapreduce Approach

Problem Statement:

Consider a list of numbers as a input and write a map reduce program to calculate the average of list of numbers using Mapreduce inside Hadoop framework.

Instruction:

- Maximum No of Mapper classes you expect to split the problem into.(optional, default = 10)
- The input file is a list of numbers inside a text file(UTF8) a **number per line** .Numbers can be either int or double.

Development Approach

- Code should contain a Mapper, Combiner and a Reducer. Mapper split the list of numbers to a maximum of given number of classes(default 10), and handover to combiner. Combiner collapse the classes it recieve to a single key called 'Average'. Then These 'Average' keys are reduced with the Reducer to print the final output.