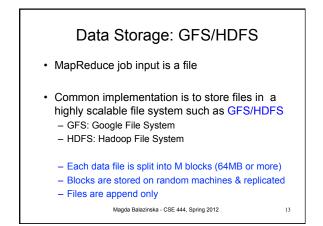


slide source: Google, Inc



MapReduce Implementation

Illustration on the white-board (please take notes):

- · There is one master node
- Input file gets partitioned further into *M' splits* Each split is a contiguous piece of the input file
- Master assigns workers (=servers) to the M' map tasks, keeps track of their progress
- · Workers write their output to local disk
- Output of each map task is partitioned into R regions
- Master assigns workers to the R reduce tasks
- Reduce workers read regions from the map workers' local disks Magda Balazinska - CSE 444, Spring 2012
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