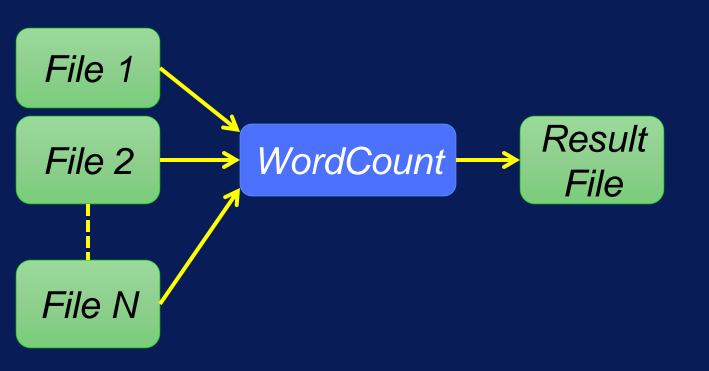
Big Data Processing Pipelines:

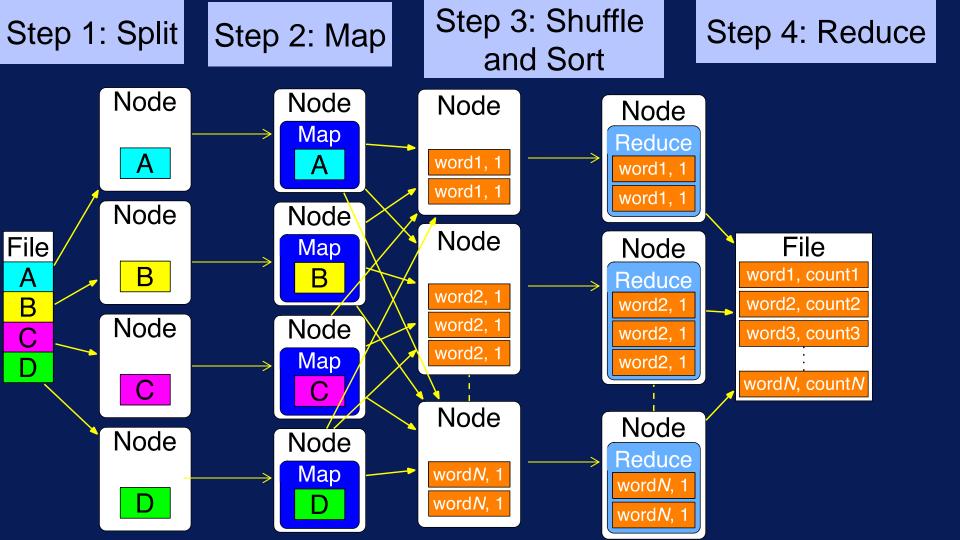
A Dataflow Approach

After this video you will be able to...

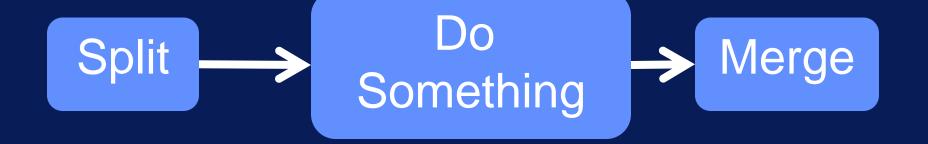
- Summarize what dataflow means and its role in data science
- Explain "split->do->merge" big data pipeline with examples
- Define the terms data parallel

Example MapReduce Application: WordCount







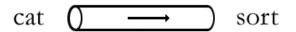


Represents a large number of applications.



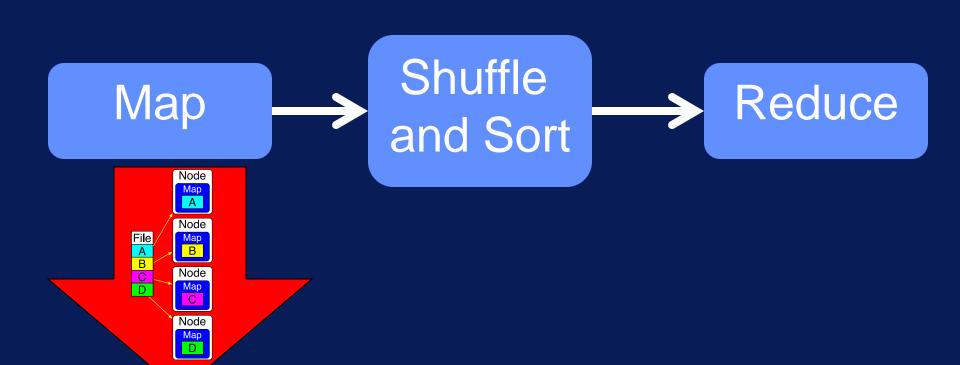
Big Data Pipelines



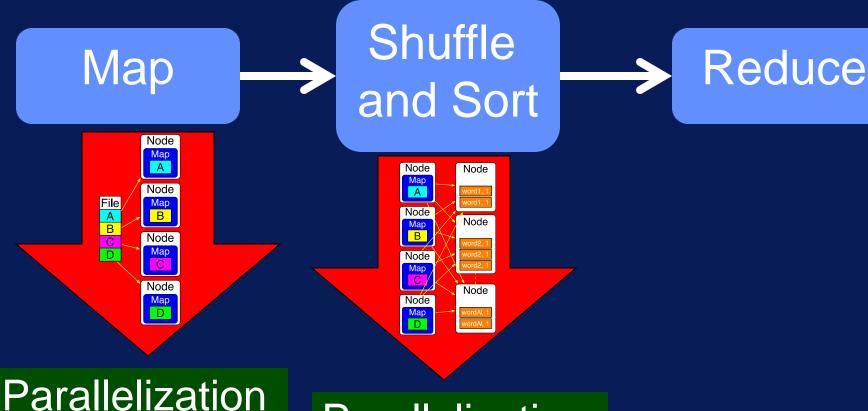


A UNIX pipe provides one-way communication between two processes on the same computer



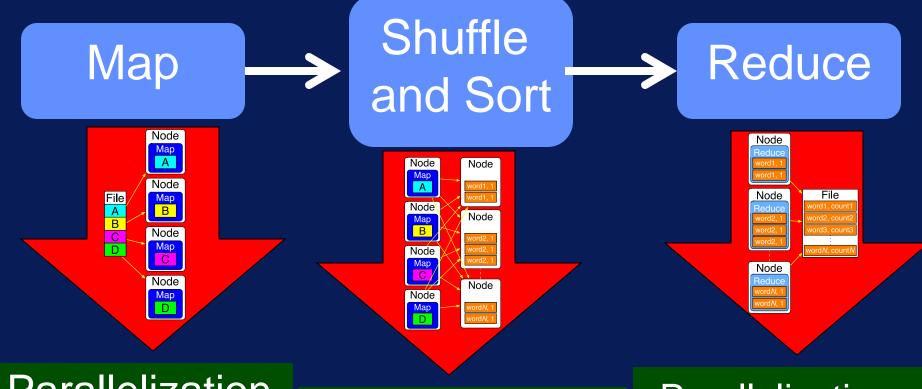


Parallelization over the input



Parallelization over the input

Parallelization data sorting



Parallelization over the input

Parallelization over intermediate data

Parallelization over data groups

