MapReduce Terminology

- **A *job* is a 'full program'**
  - A complete execution of Mappers and Reducers over a dataset

- **A *task* is the execution of a single Mapper or Reducer over a slice of data**

- **A *task attempt* is a particular instance of an attempt to execute a task**
  - There will be at least as many task attempts as there are tasks
  - If a task attempt fails, another will be started by the JobTracker or ApplicationMaster
  - *Speculative execution* (covered later) can also result in more task attempts than completed tasks