

What does the DependencyMiner do?

- a map contains the data of all files with the <filename>_<columnname> as key and a set of strings as value (containing the respective column)
- once reading the data is done, a Stack of tasks is created by creating all possible pairs of columns
- every registered worker receives a task of the stack as a taskMessage via the LargeMessageProxy
- only those tasks are sent where `Dependent.size() > Referenced.size()`
- when a completionMessage is received, the tasksDone counter is incremented, if an IND is found it's sent to the resultCollector and the now free worker receives the next task (until Stack is empty)
- if `tasksDone == totalTasks` the termination is initiated

What does the DependencyWorker do?

- Upon creation it registers at the DependencyMiner
- if the data reading is already completed it receives a taskMessage immediately (else it waits)
- if it received a taskMessage it checks whether the given columns are a IND
- the result is sent via the LargeMessageProxy to the DependencyMiner and a new task is sent to it
- the DependencyWorker receives new tasks as long as the Stack is not empty

WHAT DOES THE FOX SAY?!

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