WHEN BUYING **Shoemakers:**

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WHY SHOES?

MapReduce has been subject of active research in many aspects:

• Analysis and optimization of MapReduce jobs

• High-level query languages



WHY OUR ELEPHANT NEEDS

FOR AN

DIFFERENT SHOES?

DBMS

•Typically deployed over a small number of nodes

MapReduce

•Typically deployed over thousands of nodes

- Efficient execution of MapReduce jobs
- and many others...

However, data layouts have not been explored in depth.

- Usually use **8KB** data page size
- Data is typically replicated at the **table**-level
- Data block size of **64MB** by default (up to **1GB**)
- Data is replicated **3 times** by default at the **block**-level



How do we design the shoes?

•Interestingness function: average

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