Mohit Hive Sarthale SparkSQL SQL Databak? MapRedice / Hadoop - abstractions - Fault tolegance - parallelion ("implicit") - scalability - scaling up (H processors)
- Why? - schemaless out (H of machines) (00) - (000) heterosereous SKU oce cause strajslus CLU MHZ GHZ Tad block disk I/o remapping - "slow decth" key-value stores fedis data Structures JON stores Mongo DB

pet. SQL allstraction level sol redorative not now user defined for don MR - low ser. narou APE may, reduce 1 itoate Hre Q1. - Subset - no support for updating deleting nows + UDF, WAFE in Java Entegration Soun Soun -( ) JUNG

+ straning rows

ctx = new thre(ortext(); USES = ctx. table("uses"); yours = uses. where (users ("ase") = 21); println (yours. count());

SELECT Count (UNIS. asl)
From Users. ase = 21;

- dota mapping

tables my reduce Gles
HDFS
Hadepp

parinoning ( ) / wh / T/ds = 20090101/chy = US

locality / enables distribution

Compile queries ~ Flum Jana SELECT X witche (... SELECT & empfrance From emp, contrados WHERE confrados emp

pontractos, Jalas < 10000 Long.

Sdik Ho SAMPLING > Hodopp slow ) not fall SQL SOU - count your !! Somple N randon downsample by 10,000 Count 1,000 accords \* 10,000

cont interval 951. 95000 needle in a haystack "

Sampling ODFS / WAF Java Which columns? what fredness?

WHERE (f(8) ---) BLACK
80%

SPALK SQL