Touch, Crack and Explore

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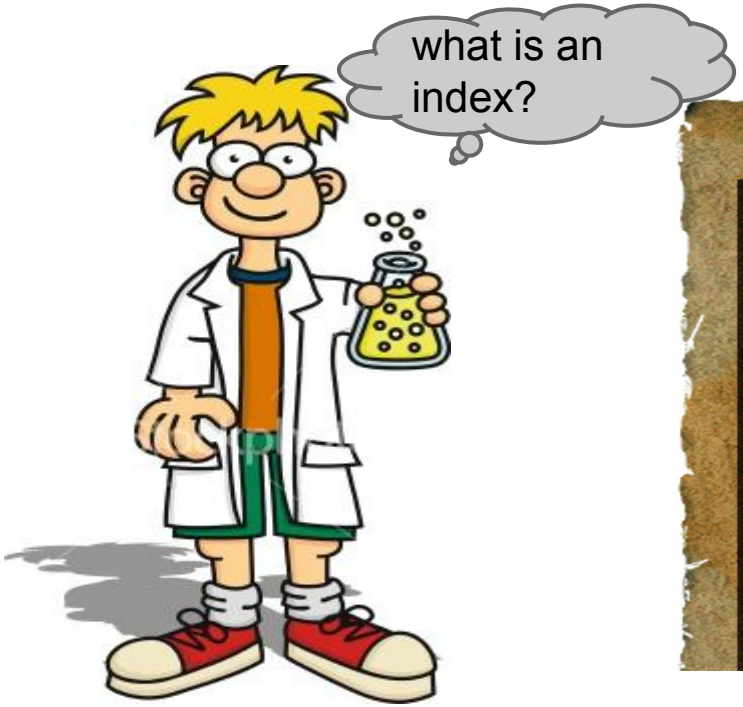
build exploration dbs

get a quick feeling about the data
and focus on interesting areas

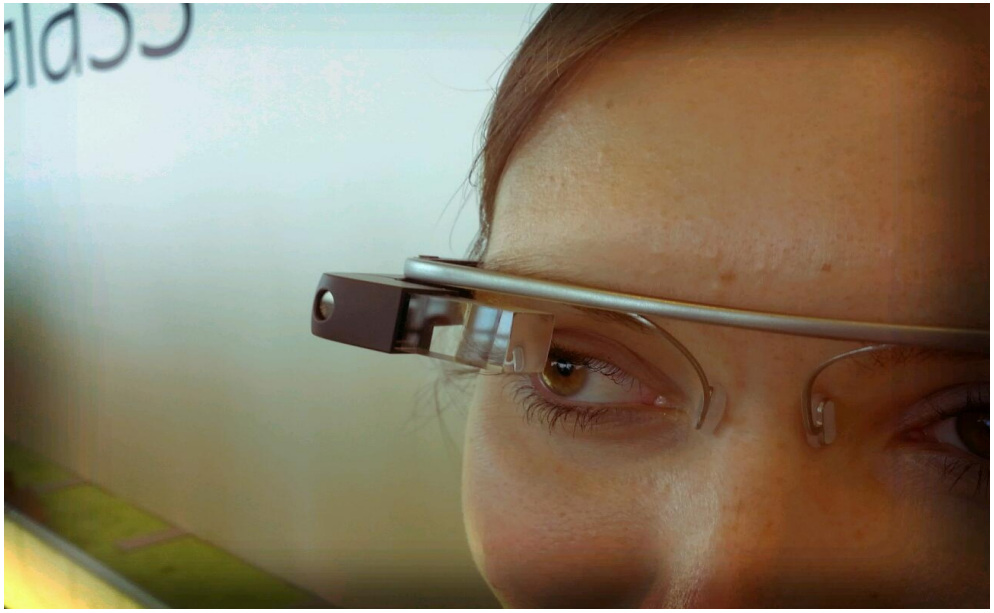
big data: big, frequent, various forms

but also not always sure what we are looking for

today



tomorrow

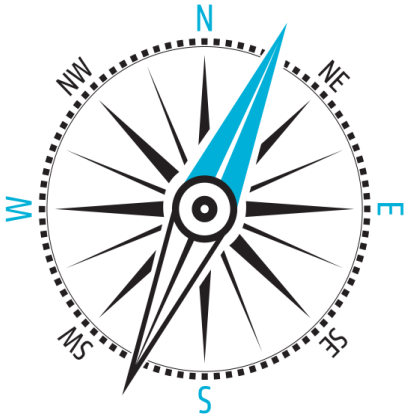


everybody will need to be a "data scientist"

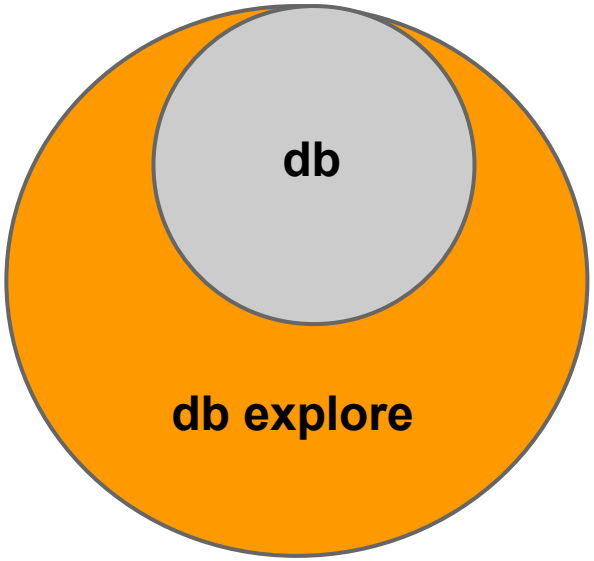
properties of db exploration systems:

easy to use
(no set-up, no tuning, ...)

interactive navigation
(no correct/complete answers)



a database system
allows you to answer queries fast



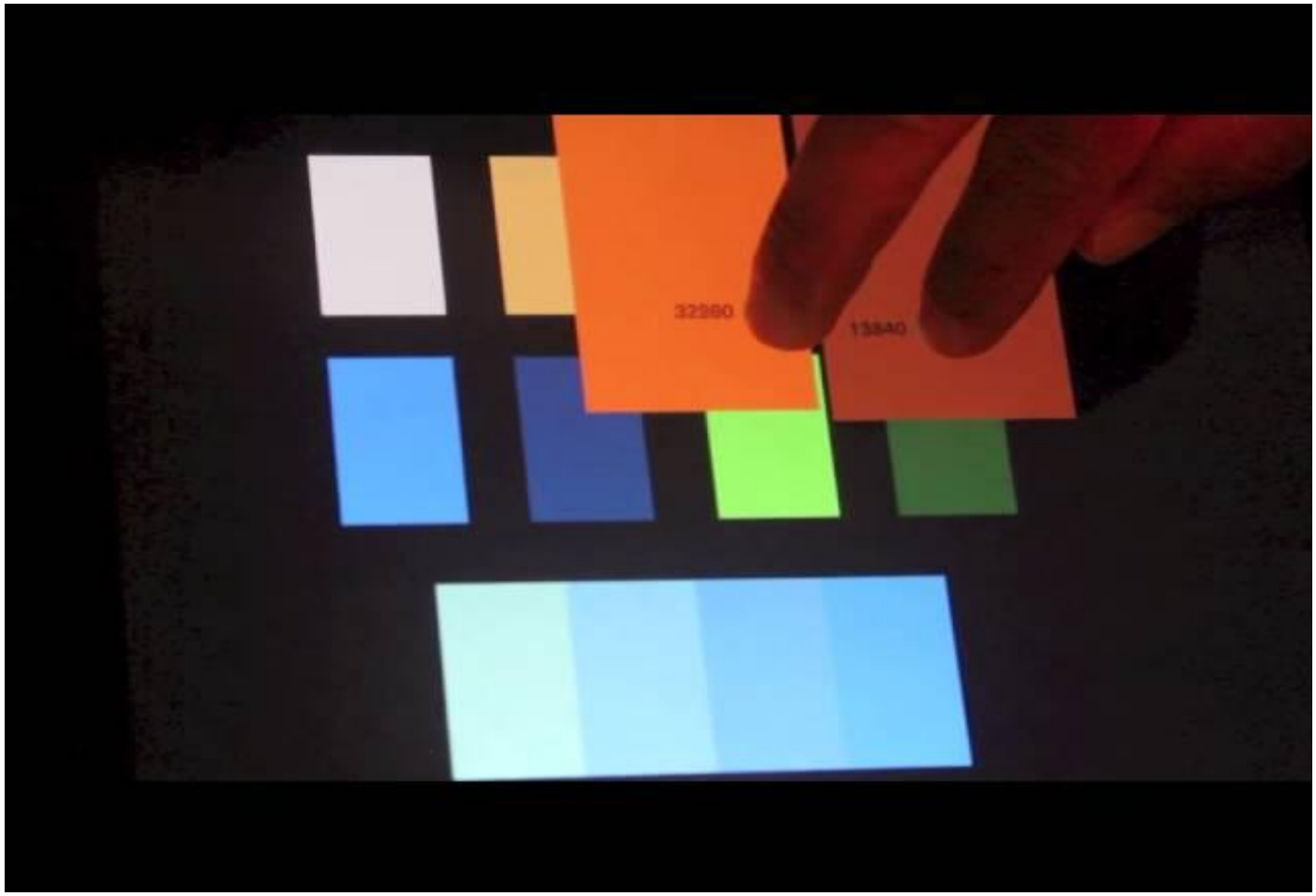
a data exploration db system
allows you to find fast which queries to ask

database cracking/adaptive indexing
(CWI/HP Labs/Google/NUS/Rutgers)

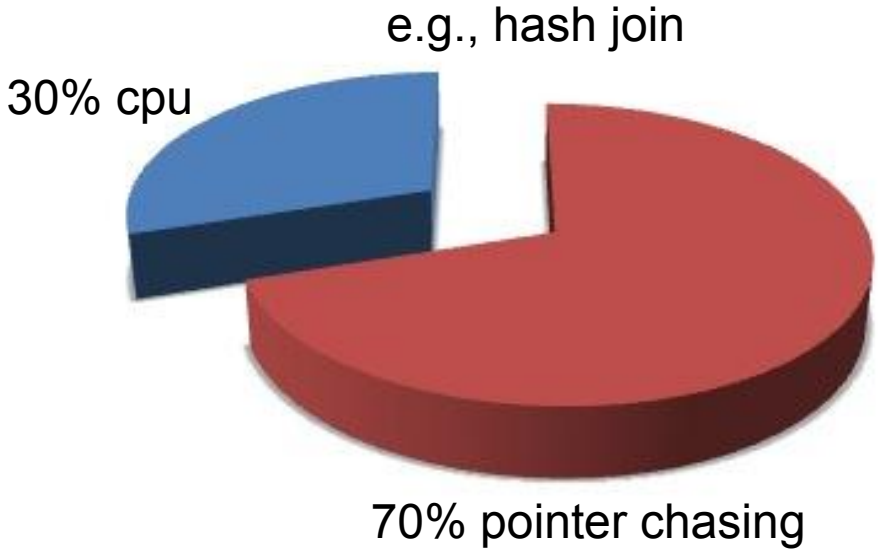
nodb/adaptive loading
(EPFL)

dbTouch

design db kernels for touch-based exploration


32980
13840

rethink db kernels: *correct vs interactive*



stop chasing pointers, start chasing knowledge

rethink dbs for exploration

check out dbTouch, nodb, database cracking/adaptive merging

Thanks!