

QCon keynote

speakers

- Martin Fowler
- Rebecca Parson

how it changes

- growing
- traffic is growing
- distributed
 - many kind of devices
 - mobile : 98% in Africa are mobile
- valuable
- urgent
- connected

example

- billing/inventory in one database
- separate
 - billing db
 - inventory db
 - consequence : more flexibility

how do we use data ?

- data scientist
 - scientist ?
 - data journalist
- how do we make sense of it ?
- what purpose ?
- personalization
- data warehousing
 - looking history
 - to predict
 - is changing to analytics
- to bring value
 - feedback
 - networks
 - crises
 - ROI
 - ex : <http://opendata.go.ke>
 - ex : datawithoutborders.cc
 - give information

data sources

- where tables structure
- will be
 - text
 - video
 - image
 - connections
- analytics
 - were
 - roll-ups
 - trends
 - variance
 - how we take advantage of clustered architectures
 - map reduce
 - very different approach
 - need another approach
 - how do we spread computing over nodes
 - will be
 - pattern recognition
 - data mining
 - chasing connections

Data panorama

- really big
- evolving

responses to change

- cluster
- NoSql
 - key/value
 - document
 - graph databases
 - store aggregates directly
 - adapted to the need

event sourcing

- application state
- Log (history)
- can rebuild application state with log
- useful for handling new kind of data

what about us ?

- privacy/piracy
- young people evolve with privacy
- perfect computer ?
 - build security : protection
 - distorting data
 - our responsibility to insure data
 - search machines & privacy respect

resources

- a periodic table of visualization methods
- codecity by richard wettel
- agile analytics : Ken Collier
- ushahidi.com

characteristics

- non relational
- open source
- cluster firiendly
- schema-less

features

- key/value
- document
- graph databases